

# CITATION REPORT

List of articles citing

Response surface methodology (RSM) as a tool for optimization in analytical chemistry

DOI: 10.1016/j.talanta.2008.05.019  
Talanta, 2008, 76, 965-77.

**Source:** <https://exaly.com/paper-pdf/44037707/citation-report.pdf>

**Version:** 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2240	Highly Efficient Recovery of Vanadium and Chromium: Optimized by Response Surface Methodology.		
2239	Experimental Design in Method Optimization and Robustness Testing. 11-74		4
2238	Biosorption of Cd(II), Ni(II) and Pb(II) from Aqueous Solution by Dried Biomass of <i>Aspergillus niger</i> : Application of Response Surface Methodology to the Optimization of Process Parameters. <b>2009</b> , 37, 776-786		69
2237	Optimizing mass spectrometric detection for ion chromatographic analysis. I. Common anions and selected organic acids. <b>2009</b> , 23, 3439-47		19
2236	Development of novel formulations for Chagas' disease: Optimization of benznidazole chitosan microparticles based on artificial neural networks. <b>2009</b> , 367, 140-7		55
2235	Removal of cobalt ions from aqueous solutions by polymer assisted ultrafiltration using experimental design approach: part 2: Optimization of hydrodynamic conditions for a crossflow ultrafiltration module with rotating part. <b>2009</b> , 169, 610-20		33
2234	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <b>2009</b> , 92, 58-67		189
2233	Regeneration of high-performance activated carbon from spent catalyst: Optimization using response surface methodology. <b>2009</b> , 40, 541-548		38
2232	Simultaneous optimization by neuro-genetic approach for analysis of plant materials by laser induced breakdown spectroscopy. <b>2009</b> , 64, 565-572		43
2231	Chemometrical evaluation of ropinirole and its impurity's chromatographic behavior. <b>2009</b> , 1216, 1263-9		21
2230	Developments on chemometric approaches to optimize and evaluate microextraction. <b>2009</b> , 1216, 175-89		158
2229	Characterization of volatile components of Iranian saffron using factorial-based response surface modeling of ultrasonic extraction combined with gas chromatography-mass spectrometry analysis. <b>2009</b> , 1216, 6088-97		106
2228	Rapid optimization of dual-mode gradient high performance liquid chromatographic separation of <i>Radix et Rhizoma Salviae Miltiorrhizae</i> by response surface methodology. <b>2009</b> , 1216, 7007-12		19
2227	Fenton and photo-Fenton treatment of distillery effluent and optimization of treatment conditions with response surface methodology. <b>2009</b> , 5, 454-464		39
2226	Microwave-Assisted Extraction and High-Performance Liquid Chromatography for Simultaneous Determination of Osthole and Isoimperatorin in <i>Libanotis buethorimensis</i> . <b>2009</b> , 43, 34-44		7
2225	Biosorption of nickel(II) from aqueous solution by <i>Aspergillus niger</i> : response surface methodology and isotherm study. <b>2009</b> , 75, 1483-91		103
2224	Comparison of Artificial Neural Network (ANN) and Response Surface Methodology (RSM) in the Prediction of Quality Parameters of Spray-Dried Pomegranate Juice. <b>2009</b> , 27, 910-917		300

2223	Preconcentration procedure for determining trace amounts of Ni, Cd, Pb and Cu in high-salinity waters after cloud-point extraction. <b>2009</b> , 89, 515-527	14
2222	Notice of Retraction: Optimization of zooplankton removal with chlorine disinfection using response surface methodology. <b>2010</b> ,	
2221	Optimization of removal of methylene blue by Platanus tree leaves using response surface methodology. <b>2010</b> , 26, 111-6	25
2220	Advances in atomic spectrometry and related techniques. <b>2010</b> , 25, 760	23
2219	Design of experiments, a powerful tool for method development in forensic toxicology: application to the optimization of urinary morphine 3-glucuronide acid hydrolysis. <b>2010</b> , 396, 2533-42	24
2218	NaOH-activated carbon from flamboyant ( <i>Delonix regia</i> ) pods: Optimization of preparation conditions using central composite rotatable design. <b>2010</b> , 162, 43-50	66
2217	Photocatalytic degradation using design of experiments: a review and example of the Congo red degradation. <b>2010</b> , 175, 33-44	242
2216	Uranium adsorption studies on aminopropyl modified mesoporous sorbent (NH <sub>2</sub> -MCM-41) using statistical design method. <b>2010</b> , 406, 285-292	69
2215	Application of an incomplete factorial design for the formation of an autotrophic biofilm on river bed sediments at a microcosms scale. <b>2010</b> , 10, 1623-1632	6
2214	Application of the Response Surface Method for Optimization of Headspace Liquid Phase Microextraction of Trihalomethanes in Drinking Water. <b>2010</b> , 38, 353-360	5
2213	Multiple-column RP-HPLC retention modelling based on solvatochromic or theoretical solute descriptors. <b>2010</b> , 33, 155-66	19
2212	Response surface optimization of ultrasound-assisted flavonoids extraction from the flower of <i>Citrus aurantium</i> L. var. <i>amara</i> Engl. <b>2010</b> , 33, 1349-55	87
2211	A new open tubular capillary microextraction and sweeping for the analysis of super low concentration of hydrophobic compounds. <b>2010</b> , 33, 3221-30	11
2210	Optimisation of ultra-performance LC conditions using response surface methodology for rapid separation and quantitative determination of phenolic compounds in <i>Artemisia minor</i> . <b>2010</b> , 33, 3675-82	13
2209	Photocatalytic treatment of indoor air: Optimization of 2-propanol removal using a response surface methodology (RSM). <b>2010</b> , 94, 303-310	73
2208	Improvement of the capabilities of inductively coupled plasma optical emission spectrometry by replacing the desolvation system of an ultrasonic nebulization system with a pre-evaporation tube. <b>2010</b> , 65, 376-384	26
2207	Process optimization and modelling of sphalerite flotation from a low-grade Zn-Pb ore using response surface methodology. <b>2010</b> , 72, 242-249	57
2206	Modeling and optimization of tartaric acid reactive extraction from aqueous solutions: A comparison between response surface methodology and artificial neural network. <b>2010</b> , 75, 273-285	90

2205	Leaching zinc from spent catalyst: process optimization using response surface methodology. <b>2010</b> , 176, 1113-7	30
2204	Nutritional requirements for the hyperproduction of bioactive exopolysaccharides by submerged fermentation of the edible medicinal fungus <i>Cordyceps taii</i> . <b>2010</b> , 49, 241-249	33
2203	Optimization of a pressurized liquid extraction method by experimental design methodologies for the determination of fluoroquinolone residues in infant foods by liquid chromatography. <b>2010</b> , 1217, 605-13	34
2202	Optimization of extraction of evodiamine and rutaecarpine from fruit of <i>Evodia rutaecarpa</i> using modified supercritical CO <sub>2</sub> . <b>2010</b> , 1217, 7833-9	23
2201	Original article: Supercritical CO <sub>2</sub> extraction of soybean oil: process optimisation and triacylglycerol composition. <b>2010</b> , 45, 1939-1946	24
2200	Modelling the lag time and growth rate of <i>Aspergillus section Nigri</i> IOC 4573 in mango nectar as a function of temperature and pH. <b>2010</b> , 109, 1105-16	18
2199	Optimization and Validation of an RP-HPLC Method for Analysis of Hydrocortisone Acetate and Lidocaine in Suppositories. <b>2010</b> , 93, 102-107	13
2198	The Effectiveness of Silica Sand in Semi-Aerobic Stabilized Landfill Leachate Treatment. <b>2010</b> , 2, 904-915	19
2197	Response Surface Optimization for Disinfection of Copepod with Chloramines. <b>2010</b> , 113-116, 47-50	
2196	Optimization of the culture medium composition to improve the production of hyoscyamine in elicited <i>Datura stramonium</i> L. hairy roots using the Response Surface Methodology (RSM). <b>2010</b> , 11, 4726-40	34
2195	Response surface optimization for zooplankton inactivation with hydrogen peroxide. <b>2010</b> ,	1
2194	Characterization of Sorption Isotherms, Kinetic Models, and Multivariate Approach for Optimization of Hg(II) Adsorption onto <i>Fraxinus</i> Tree Leaves. <b>2010</b> , 55, 5040-5049	46
2193	Parametric Optimization of Selenite and Selenate Biosorption Using Wheat Bran in Batch and Continuous Mode. <b>2010</b> , 55, 4808-4816	7
2192	Adsorption of Cr(VI) onto <i>Elaeagnus</i> Tree Leaves: Statistical Optimization, Equilibrium Modeling, and Kinetic Studies. <b>2010</b> , 55, 3428-3437	48
2191	Optimization of a new polymeric chromium (III) membrane electrode based on methyl violet by using experimental design. <i>Talanta</i> , <b>2010</b> , 81, 1681-7	6.2 20
2190	On-line solid-phase extraction-HPLC-fluorescence detection for simultaneous determination of puerarin and daidzein in human serum. <i>Talanta</i> , <b>2010</b> , 82, 1212-7	6.2 16
2189	Universal characteristics of chemical synthesis and property optimization. <b>2011</b> , 2, 417	22
2188	Determination of trace metals in high-salinity petroleum produced formation water by inductively coupled plasma mass spectrometry following on-line analyte separation/preconcentration. <b>2011</b> , 26, 578	39

2187	Determination of cadmium in rice by electrothermal atomic absorption spectrometry using aluminum as permanent modifier. <b>2011</b> , 3, 2495	27
2186	. <b>2011</b> ,	
2185	Development of a new HPLC method with precolumn fluorescent derivatization for rapid, selective and sensitive detection of triterpenic acids in fruits. <b>2011</b> , 59, 2972-9	38
2184	Carbon nanoparticles as detection labels in antibody microarrays. Detection of genes encoding virulence factors in Shiga toxin-producing <i>Escherichia coli</i> . <b>2011</b> , 83, 8531-6	25
2183	Sequential injection analysis for optimization of molecular biology reactions. <b>2011</b> , 83, 2194-200	1
2182	Modelling Superstructure for Conceptual Design of Syngas Generation and Treatment. <b>2011</b> , 169-199	
2181	Determination of total phenolic content in <i>Prunella L.</i> by horseradish peroxidase immobilized onto chitosan beads. <b>2011</b> , 3, 2289	16
2180	Application of response surface methodology in the optimization of photocatalytic removal of environmental pollutants using nanocatalysts. <b>2011</b> , 33, 1669-84	72
2179	Optimization of Preparation for U3O8 by Calcination from Ammonium Divrante Using Response Surface Methodology. <b>2011</b> , 41-49	
2178	Optimization of the Process Variables for Making Direct Reduced Iron by Microwave Heating using Response Surface Methodology. <b>2011</b> , 101-110	1
2177	Determination of extraction conditions of <i>Ginkgo biloba L.</i> leaves by supercritical CO2 using response surface methodology. <b>2011</b> , 65, 147-157	8
2176	Optimization of the solid phase extraction method for determination of Cu(II) in natural waters by using response surface methodology. <b>2011</b> , 136, 4036-44	25
2175	Bioadsorption of Arsenic: An Artificial Neural Networks and Response Surface Methodological Approach. <b>2011</b> , 50, 9852-9863	36
2174	Optimization of the synthesis parameters of high surface area ceria nanopowder prepared by surfactant assisted precipitation method. <b>2011</b> , 257, 10595-10600	23
2173	A novel ion-pairing chromatographic method for the simultaneous determination of both nicarbazin components in feed additives: chemometric tools for improving the optimization and validation. <i>Talanta</i> , <b>2011</b> , 85, 142-50	6.2 8
2172	Optimization of the analytical extraction of polyamines from milk. <i>Talanta</i> , <b>2011</b> , 86, 195-9	6.2 14
2171	Modeling of Thermal Cracking of Heavy Liquid Hydrocarbon: Application of Kinetic Modeling, Artificial Neural Network, and Neuro-Fuzzy Models. <b>2011</b> , 50, 1536-1547	46
2170	. <b>2011</b> ,	1

2169	Synthesis and Application of a New Thiazolylazo Reagent for Cloud Point Extraction and Determination of Cobalt in Pharmaceutical Preparations. <b>2011</b> , 94, 1304-1309	4
2168	Enhancement of organic acids production from model kitchen waste via anaerobic digestion. <b>2011</b> , 10, 14507-14515	14
2167	Nickel (II) Preconcentration and Speciation Analysis During Transport from Aqueous Solutions Using a Hollow-fiber Permeation Liquid Membrane (HFPLM) Device. <b>2011</b> , 1, 217-31	3
2166	Optimum Extraction of Flavonoids from Broccolini Leaves Using Response Surface Methodology. <b>2011</b> , 18, 171-179	2
2165	Application of Artificial Neural Networks in Optical Properties of Nanosemiconductors. <b>2011</b> ,	1
2164	Screening of factors influencing Cu(II) extraction by soybean oil-based organic solvents using fractional factorial design. <b>2011</b> , 92, 2580-5	38
2163	Solar photoelectro-Fenton degradation of the herbicide 4-chloro-2-methylphenoxyacetic acid optimized by response surface methodology. <b>2011</b> , 194, 109-18	62
2162	Response surface methodological approach for the assessment of the photocatalytic degradation of NOM. <b>2011</b> , 225, 26-35	17
2161	Sweeping gas membrane distillation of sucrose aqueous solutions: Response surface modeling and optimization. <b>2011</b> , 81, 12-24	27
2160	Analysis of complex mixtures using high-resolution nuclear magnetic resonance spectroscopy and chemometrics. <b>2011</b> , 59, 336-59	59
2159	Optimization of alkaline hydrolysis of paddy straw for ferulic acid extraction. <b>2011</b> , 34, 1635-1640	22
2158	Optimization of the dose of calcium lactate as a new coagulant for the coagulation-flocculation of suspended particles in water. <b>2011</b> , 280, 63-71	16
2157	Supercritical fluid extraction of flavonoids from Maydis stigma and its nitrite-scavenging ability. <b>2011</b> , 89, 333-339	76
2156	Process optimization design for jatropha-based biodiesel production using response surface methodology. <b>2011</b> , 92, 2420-2428	159
2155	Copper biosorption on Lyngbya putealis: Application of response surface methodology (RSM). <b>2011</b> , 65, 840-845	49
2154	Optimization of butanol production from tropical maize stalk juice by fermentation with Clostridium beijerinckii NCIMB 8052. <b>2011</b> , 102, 9985-90	66
2153	Experimental designs for modeling retention patterns and separation efficiency in analysis of fatty acid methyl esters by gas chromatography-mass spectrometry. <b>2011</b> , 1218, 6823-31	14
2152	Modeling and optimization of densification of nanocrystalline Al <sub>2</sub> O <sub>3</sub> powder prepared by a sol-gel method using response surface methodology. <b>2011</b> , 57, 212-220	7

2151	Optimization of Cu(II) Extraction from Aqueous Solutions by Soybean-Oil-Based Organic Solvent Using Response Surface Methodology. <b>2011</b> , 217, 567-576	16
2150	Optimization of isoflavone production from fermented soybean using response surface methodology. <b>2011</b> , 20, 1525-1531	6
2149	Determination of trace amino acids in human serum by a selective and sensitive pre-column derivatization method using HPLC-FLD-MS/MS and derivatization optimization by response surface methodology. <b>2011</b> , 40, 1185-93	11
2148	Quantification of phototrophic biomass on rocks: optimization of chlorophyll-a extraction by response surface methodology. <b>2011</b> , 38, 179-88	15
2147	Multiobjective Optimization Approach in Evaluation of Chromatographic Behaviour of Zolpidem Tartrate and Its Degradation Products. <b>2011</b> , 74, 197-208	7
2146	Polymerization of propylene with Ziegler-Natta catalyst: optimization of operating conditions by response surface methodology (RSM). <b>2011</b> , 67, 1393-1411	16
2145	Optimization of process parameters for ethanol production from sugar cane molasses by Zymomonas mobilis using response surface methodology and genetic algorithm. <b>2011</b> , 90, 385-95	28
2144	Ion mobility spectrometry as a high-throughput technique for in vitro transdermal Franz diffusion cell experiments of ibuprofen. <b>2011</b> , 55, 472-8	17
2143	Breakthrough adsorption study of a commercial activated carbon for pre-combustion CO <sub>2</sub> capture. <b>2011</b> , 171, 549-556	101
2142	Design of experiments for statistical modeling and multi-response optimization of nickel electroplating process. <b>2011</b> , 89, 136-147	52
2141	Performance of nanostructure Fe-Ag-ZSM-5 catalysts for the catalytic oxidation of volatile organic compounds: Process optimization using response surface methodology. <b>2011</b> , 28, 1665-1671	10
2140	Biodegradability of polyethylene-glycol blends prepared by extrusion and molded by injection: Evaluated by response surface methodology. <b>2011</b> , 63, 42-51	20
2139	A simple and reliable stir bar sorptive extraction-liquid chromatography procedure for the determination of chlorpromazine and trifluoperazine in human serum using experimental design methodology. <b>2011</b> , 34, 90-7	23
2138	Designing the Mineralization of a Wastewater Sample from a Coating Industry. <b>2011</b> , 39, 972-977	0
2137	Optimization and Characterization of Tl(I) Adsorption onto Modified Ulmus carpinifolia Tree Leaves. <b>2011</b> , 39, 250-258	27
2136	Pesticides Removal Using Conventional and Low-Cost Adsorbents: A Review. <b>2011</b> , 39, 1105-1119	63
2135	Polynomial multivariate least-squares regression for modeling nonlinear data applied to in-depth characterization of chromatographic resolution. <b>2011</b> , 25, 575-585	9
2134	Using sweeping-micellar electrokinetic chromatography to determine melamine in food. <b>2011</b> , 128, 783-789	15

2133	Modeling of adsorption isotherms and kinetics of reactive dye from aqueous solution by peanut hull. <b>2011</b> , 168, 1234-1240	188
2132	Protein digestion optimization for characterization of drug-protein adducts using response surface modeling. <b>2011</b> , 1218, 1715-23	24
2131	Optimisation of entrapped activated carbon conditions to remove coloured compounds from winery wastewaters. <b>2011</b> , 102, 6437-42	21
2130	Highly sensitive and selective pre-column derivatization high-performance liquid chromatography approach for rapid determination of triterpenes oleanolic and ursolic acids and application to Swertia species: optimization of triterpenic acids extraction and pre-column derivatization using	59
2129	Solar photoelectro-Fenton degradation of paracetamol using a flow plant with a Pt/air-diffusion cell coupled with a compound parabolic collector: Process optimization by response surface methodology. <b>2011</b> , 103, 21-30	143
2128	Experimental designs and their recent advances in set-up, data interpretation, and analytical applications. <b>2011</b> , 56, 141-58	213
2127	Artificial neural network modeling and response surface methodology of desalination by reverse osmosis. <b>2011</b> , 368, 202-214	134
2126	Multivariate optimization of a spectrophotometric method for copper determination in Brazilian sugar-cane spirits using the Doehlert design. <b>2011</b> , 99, 118-124	24
2125	Multiple response optimization for Cu, Fe and Pb determination in naphtha by graphite furnace atomic absorption spectrometry with sample injection as detergent emulsion. <b>2011</b> , 66, 338-344	21
2124	Optimization of ultrasonic-assisted extraction of natural antioxidants from rice bran using response surface methodology. <b>2011</b> , 18, 1279-86	148
2123	Poultry By-Products and Enzymatic Hydrolysis: Optimization by Response Surface Methodology Using Alcalase® 2.4L. <b>2011</b> , 7,	1
2122	A Statistical Approach for Optimization of Simultaneous Production of $\alpha$ -Glucosidase and Endoglucanase by <i>Rhizopus oryzae</i> from Solid-State Fermentation of Water Hyacinth Using Central Composite Design. <b>2011</b> , 2011, 574983	15
2121	Optimization of ultrasound-assisted extraction of anthocyanins from mulberry, using response surface methodology. <b>2011</b> , 12, 3006-17	89
2120	Extraction optimization of water-extracted mycelial polysaccharide from endophytic fungus <i>Fusarium oxysporum</i> Dzf17 by response surface methodology. <b>2012</b> , 13, 5441-53	22
2119	Use of Functionalized Resin for Matrix Separation and Trace Elements Determination in Petroleum Produced Formation Water by Inductively Coupled Plasma Mass Spectrometry. <b>2012</b> , 2012, 1-8	2
2118	Structural Characterization of ZnO/AC Composite Prepared from Spent Catalyst of Vinyl Acetate Synthesis. <b>2012</b> , 518-523, 3483-3487	
2117	Process optimization of nickel extraction from hazardous waste. <b>2012</b> , 38, 29-40	
2116	Inverse Parametric Analysis of Seismic Permanent Deformation for Earth-Rockfill Dams Using Artificial Neural Networks. <b>2012</b> , 2012, 1-19	9



2115	Catalytic remediation of 2-propanol on Pt-Mn/Al <sub>2</sub> O <sub>3</sub> bimetallic catalyst during catalytic combustion—experimental study and response surface methodology (RSM) modeling. <b>2012</b> , 47, 351-7	9
2114	Optimal experimentation for nuclear medicine imaging system design. <b>2012</b> ,	
2113	Optimization of process parameters using response surface methodology for the removal of phenol by emulsion liquid membrane. <b>2012</b> , 14, 46-49	4
2112	Study of Salinity and pH Effects on Gelation Time of a Polymer Gel Using Central Composite Design Method. <b>2012</b> , 51, 438-451	22
2111	Statistical Approach for Optimization of Physiochemical Requirements on Alkaline Protease Production from <i>Bacillus licheniformis</i> NCIM 2042. <b>2012</b> , 2012, 905804	28
2110	Optimization of ultrasonic-assisted extraction of phillyrin from <i>Forsythia suspensa</i> using response surface methodology. <b>2012</b> , 6,	1
2109	Monosegmented flow analysis exploiting aqueous two-phase systems for the determination of cobalt. <b>2012</b> , 28, 1213-8	9
2108	Effect of process conditions and carrier concentration for improving drying yield and other quality attributes of spray dried black mulberry ( <i>Morus nigra</i> ) juice. <b>2012</b> , 8,	35
2107	Thermal regeneration of spent coal-based activated carbon using carbon dioxide: process optimisation, Methylene Blue decolorisation isotherms and kinetics. <b>2012</b> , 128, 464-472	8
2106	Optimization of ultrasonic-assisted extraction of total saponins from <i>Eclipta prostrata</i> L. using response surface methodology. <b>2012</b> , 77, C975-82	31
2105	Slurry Sampling for the Determination of Mercury in Rice Using Cold Vapor Atomic Absorption Spectrometry. <b>2012</b> , 5, 1289-1295	20
2104	Sulphuric Acid Leaching Germanium from Germanium Dust and Fume: Process Optimization Using Response Surface Methodology. <b>2012</b> , 689-696	
2103	Monitoring of decolorization of a two dyes mixture using spectrophotometric data and multivariate curve resolution: modeling the removal process using an experimental design method. <b>2012</b> , 4, 153-161	8
2102	Study on the PEG-based microwave-assisted extraction of flavonoid compounds from persimmon leaves. <b>2012</b> , 35, 3412-20	25
2101	Evaluation of matrix solid-phase dispersion extraction for the determination of polycyclic aromatic hydrocarbons in household dust with the aid of experimental design and response surface methodology. <b>2012</b> , 35, 3554-60	15
2100	Optimization of ingredient and processing levels for the production of coconut yogurt using response surface methodology. <b>2012</b> , 21, 933-940	24
2099	Chiral Determination of Salbutamol, Salmeterol and Atenolol by Two-Dimensional LC-MS: Application to Urine Samples. <b>2012</b> , 75, 1365-1375	19
2098	Design of process parameters for the production of xylose from wood sawdust. <b>2012</b> , 90, 1307-1312	31

2097	Flow injection analysis for nitric oxide quantification based on reduced fluoresceinamine. <b>2012</b> , 4, 1089		2
2096	Study of the synergistic effects of salinity, pH, and temperature on the surface-active properties of biosurfactants produced by <i>Lactobacillus pentosus</i> . <b>2012</b> , 60, 1258-65		37
2095	Thirty-seven years of archives of environmental protection. <b>2012</b> , 38, 3-68		1
2094	Response Surface Methodology Guided Release of Two Acetate Volatiles From an Oil-in-Water Emulsion. <b>2012</b> , 10, 223-238		
2093	Optimization of Tensile Strength of Poly(Lactic Acid)/Graphene Nanocomposites Using Response Surface Methodology. <b>2012</b> , 51, 791-799		49
2092	Chemometrics optimization of six antihistamines separations by capillary electrophoresis with electrochemiluminescence detection. <i>Talanta</i> , <b>2012</b> , 88, 265-71	6.2	23
2091	Evaluation of seven cosubstrates in the quantification of horseradish peroxidase enzyme by square wave voltammetry. <i>Talanta</i> , <b>2012</b> , 88, 468-76	6.2	26
2090	Determination of mercury in indoor dust samples by ultrasonic probe microextraction and stripping voltammetry on gold nanoparticles-modified screen-printed electrodes. <i>Talanta</i> , <b>2012</b> , 97, 187-92	6.2	20
2089	Optimization of solid-phase extraction using artificial neural networks and response surface methodology in combination with experimental design for determination of gold by atomic absorption spectrometry in industrial wastewater samples. <i>Talanta</i> , <b>2012</b> , 97, 211-7	6.2	24
2088	Multivariate optimization on flow-injection electrochemical hydride generation atomic absorption spectrometry of cadmium. <i>Talanta</i> , <b>2012</b> , 97, 229-34	6.2	20
2087	Optimized ultrasound-assisted emulsification microextraction for simultaneous trace multielement determination of heavy metals in real water samples by ICP-OES. <i>Talanta</i> , <b>2012</b> , 97, 235-41	6.2	95
2086	Optimization of focused ultrasonic extraction of propellant components determined by gas chromatography/mass spectrometry. <i>Talanta</i> , <b>2012</b> , 99, 316-22	6.2	7
2085	A sensitive and efficient method for simultaneous trace detection and identification of triterpene acids and its application to pharmacokinetic study. <i>Talanta</i> , <b>2012</b> , 98, 101-11	6.2	17
2084	Combination of a multimode sample introduction system with a pre-evaporation tube to improve multi-element analysis by ICP-OES. <b>2012</b> , 27, 80-91		28
2083	Functional properties of pasteurized samples of <i>Aloe barbadensis</i> Miller: Optimization using response surface methodology. <b>2012</b> , 47, 225-232		29
2082	Evaluation of hematin-catalyzed Orange II degradation as a potential alternative to horseradish peroxidase. <b>2012</b> , 73, 60-72		11
2081	Optimization of polysaccharides from <i>Panax japonicus</i> C.A. Meyer by RSM and its anti-oxidant activity. <b>2012</b> , 50, 331-6		82
2080	Ternary adsorption of acid dyes onto activated carbon from flamboyant pods ( <i>Delonix regia</i> ): Analysis by derivative spectrophotometry and response surface methodology. <b>2012</b> , 195-196, 173-179		44

2079	A sensitive and efficient method to systematically detect two biophenols in medicinal herb, herbal products and rat plasma based on thorough study of derivatization and its convenient application to pharmacokinetics with semi-automated device. <b>2012</b> , 1249, 190-200	6
2078	Use of response surface methodology for development of new microwell-based spectrophotometric method for determination of atorvastatin calcium in tablets. <b>2012</b> , 6, 134	30
2077	Microwave-assisted one-step extraction-derivatization for rapid analysis of fatty acids profile in herbal medicine by gas chromatography-mass spectrometry. <b>2012</b> , 137, 5135-43	11
2076	Green chemistry in analytical atomic spectrometry: a review. <b>2012</b> , 27, 1831	65
2075	Alkylation of Benzene with 1-Decene Using Silica Supported Preyssler Heteropoly Acid: Statistical Design with Response Surface Methodology. <b>2012</b> , 33, 494-501	33
2074	On the factors influencing the extrusion strain, particle size and dissolution behavior of multiparticulate systems obtained by extrusion/spheronization. <b>2012</b> , 230, 54-62	13
2073	Optimization of ultrasonic-assisted extraction of pomegranate ( <i>Punica granatum</i> L.) peel antioxidants by response surface methodology. <b>2012</b> , 98, 16-23	131
2072	Fluoroquinolone antibiotic determination in bovine milk using capillary liquid chromatography with diode array and mass spectrometry detection. <b>2012</b> , 28, 99-106	19
2071	A new method for analysis of the toxicity of organophosphorus pesticide, dimethoate on rotifer based on response surface methodology. <b>2012</b> , 237-238, 270-6	19
2070	Combined heterogeneous and homogeneous photodegradation of a dye using immobilized TiO <sub>2</sub> nanophotocatalyst and modified graphite electrode with carbon nanotubes. <b>2012</b> , 363-364, 58-68	86
2069	Artificial intelligence techniques to optimize the EDC/NHS-mediated immobilization of cellulase on Eudragit L-100. <b>2012</b> , 13, 7952-62	12
2068	Biocatalytic Conversion of Coconut Oil to Natural Flavor Esters Optimized with Response Surface Methodology. <b>2012</b> , 89, 1991-1998	9
2067	Color and Chemical Oxygen Demand Removal from Mature Semi-Aerobic Landfill Leachate Using Anion-Exchange Resin: An Equilibrium and Kinetic Study. <b>2012</b> , 29, 297-305	15
2066	Determination of opiates in whole blood and vitreous humor: a study of the matrix effect and an experimental design to optimize conditions for the enzymatic hydrolysis of glucuronides. <b>2012</b> , 36, 162-70	23
2065	Statistical optimization of culture conditions for enhanced bacterial cellulose production by <i>Gluconoacetobacter hansenii</i> NCIM 2529. <b>2012</b> , 19, 1655-1666	20
2064	Effects of degree of quaternization on the preparation and characterization of insulin-loaded trimethyl chitosan polyelectrolyte complexes optimized by central composite design. <b>2012</b> , 17, 719-29	8
2063	Ultrasonic nebulization with an infrared heated pre-evaporation tube for sample introduction in ICP-OES: application to geological and environmental samples. <b>2012</b> , 27, 1254	18
2062	Experimental Design and Response Surface Analysis as Available Tools for Statistical Modeling and Optimization of Electrodeposition Processes. <b>2012</b> ,	1

2061	Optimization of reaction conditions for enzymatic synthesis of palm fatty hydrazides using response surface methodology. <b>2012</b> , 61, 297-302	1
2060	Ultrasonic microwave-assisted extraction coupled with high-speed counter-current chromatography for the preparation of nigakinones from <i>Picrasma quassioides</i> (D.Don) Benn. <b>2012</b> , 23, 540-6	14
2059	Reduced fluoresceinamine for peroxynitrite quantification in the presence of nitric oxide. <b>2012</b> , 22, 1127-40	5
2058	Empirical modeling development for integrated process optimization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production. <b>2012</b> , 125, 2155-2162	9
2057	Preformed particle gel: evaluation and optimization of salinity and pH on equilibrium swelling ratio. <b>2012</b> , 2, 85-91	21
2056	Optimization and scale-up of 2,3-butanediol production by <i>Bacillus amyloliquefaciens</i> B10-127. <b>2012</b> , 28, 1563-74	29
2055	Effect of enzymatic pretreatment on the synthesis and properties of phosphorylated amphoteric starch. <b>2012</b> , 88, 917-925	11
2054	Bifunctional ultrasound assisted extraction and determination of <i>Elettaria cardamomum</i> Maton essential oil. <b>2012</b> , 1238, 46-53	53
2053	Optimization of extraction time and temperature for antioxidant activity of edible wild mushroom, <i>Pleurotus porrigens</i> . <b>2012</b> , 90, 235-242	34
2052	Optimisation of a solid-phase microextraction/HPLC/Diode Array method for multiple pesticide screening in lettuce. <b>2012</b> , 130, 1090-1097	45
2051	Optimisation of digestion method for determination of arsenic in shrimp paste sample using atomic absorption spectrometry. <b>2012</b> , 134, 2406-10	12
2050	Modeling and optimization of sweeping gas membrane distillation. <b>2012</b> , 287, 159-166	61
2049	Air gap membrane distillation: Desalination, modeling and optimization. <b>2012</b> , 287, 138-145	71
2048	Modeling and genetic algorithm-based multi-objective optimization of the MED-TVC desalination system. <b>2012</b> , 292, 87-104	77
2047	Modeling and optimizing of steam pyrolysis of dimethyl formamide by using response surface methodology coupled with Box-Behnken design. <b>2012</b> , 96, 6-15	9
2046	Boron-doped diamond anodic oxidation of ethidium bromide: Process optimization by response surface methodology. <b>2012</b> , 64, 100-109	28
2045	Improving response surface methodology by using artificial neural network and simulated annealing. <b>2012</b> , 39, 3461-3468	37
2044	Decolorization of some synthetic dyes using optimized culture broth of laccase producing ascomycete <i>Paraconiothyrium variabile</i> . <b>2012</b> , 60, 9-15	64

2043	Artificial intelligence based modeling and optimization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production process by using Azohydromonas lata MTCC 2311 from cane molasses supplemented with volatile fatty acids: a genetic algorithm paradigm. <b>2012</b> , 104, 631-41	48
2042	Comparison of the results of response surface methodology and artificial neural network for the biosorption of lead using black cumin. <b>2012</b> , 112, 111-5	113
2041	Optimisation of dilute-acid pretreatment conditions for enhancement sugar recovery and enzymatic hydrolysis of wheat straw. <b>2012</b> , 111, 166-174	47
2040	Artificial neural network modeling and optimization of desalination by air gap membrane distillation. <b>2012</b> , 86, 171-182	88
2039	Optimization of batch operating conditions for the decolourization of vinasses using surface response methodology. <b>2012</b> , 102, 83-90	12
2038	Experimental design and MM2âM6 molecular modelling of hematin as a peroxidase-like catalyst in Alizarin Red S degradation. <b>2012</b> , 355, 44-60	12
2037	Synthesis of silver nano catalyst by gel-casting using response surface methodology. <b>2012</b> , 228, 163-170	23
2036	Lab and pilot-scale ultrasound-assisted water extraction of polyphenols from apple pomace. <b>2012</b> , 111, 73-81	217
2035	Optimization of the electro-Fenton and solar photoelectro-Fenton treatments of sulfanilic acid solutions using a pre-pilot flow plant by response surface methodology. <b>2012</b> , 221-222, 288-97	71
2034	Photocatalytic oxidation of treated municipal wastewaters for the removal of phenolic compounds: optimization and modeling using response surface methodology (RSM) and artificial neural networks (ANNs). <b>2012</b> , 87, 1385-1395	37
2033	Comparison of the estimation capabilities of response surface methodology and artificial neural network for the optimization of recombinant lipase production by E. coli BL21. <b>2012</b> , 39, 243-54	33
2032	Supercritical COâssisted extraction and LC-MS identification of picroside I and picroside II from Picrorhiza kurroa. <b>2013</b> , 24, 97-104	11
2031	Prediction of mechanical properties of compatibilized styrene/natural-rubber blend by using reaction conditions: Central composite design vs. artificial neural networks. <b>2013</b> , 127, 356-365	12
2030	Prediction of styrene conversion of polystyrene/natural rubber graft copolymerization using reaction conditions: Central composite design versus artificial neural networks. <b>2013</b> , 128, 2283-2290	5
2029	Optimization of parameters for improvement of phenol degradation by Rhodococcus UKMP-5M using response surface methodology. <b>2013</b> , 63, 513-521	15
2028	Crashworthiness design of multi-component tailor-welded blank (TWB) structures. <b>2013</b> , 48, 653-667	52
2027	Microwave-assisted pyrolysis of palm kernel shell: Optimization using response surface methodology (RSM). <b>2013</b> , 55, 357-365	72
2026	In matrix derivatization of trichloroethylene metabolites in human plasma with methyl chloroformate and their determination by solid-phase microextraction-gas chromatography-electron capture detector. <b>2013</b> , 925, 63-9	13

2025	Determination of mercury in phosphate fertilizers by cold vapor atomic absorption spectrometry. <i>Talanta</i> , <b>2013</b> , 106, 293-7	6.2	28
2024	Application of Box-Behnken experimental design to optimize the extraction of insecticidal Cry1Ac from soil. <b>2013</b> , 61, 1464-70		20
2023	The effects of water absorption and surface treatment on mechanical properties of epoxy nanocomposite using response surface methodology. <b>2013</b> , 70, 1677-1695		16
2022	Enzymatic electrochemical detection coupled to multivariate calibration for the determination of phenolic compounds in environmental samples. <i>Talanta</i> , <b>2013</b> , 106, 399-407	6.2	12
2021	Effect of iron, phosphorous, and Si/Al on HZSM-5 catalytic performance and stability by response surface methodology. <b>2013</b> , 104, 695-702		7
2020	Multivariate optimization of an analytical method for the analysis of dog and cat foods by ICP OES. <i>Talanta</i> , <b>2013</b> , 108, 157-64	6.2	31
2019	Chemometric tools to highlight non-intentionally added substances (NIAS) in polyethylene terephthalate (PET). <i>Talanta</i> , <b>2013</b> , 115, 928-37	6.2	26
2018	DPPH Assay Adapted to the FIA System for the Determination of the Antioxidant Capacity of Wines: Optimization of the Conditions Using the Response Surface Methodology. <b>2013</b> , 6, 1424-1432		14
2017	Optimization of Antioxidant Compounds Extraction from Flesh of New Developed Apple Cultivar Using Response Surface Methodology. <b>2013</b> , 6, 1407-1415		8
2016	Modeling and Optimization of Artificial Neural Network and Response Surface Methodology in Ultra-high-Pressure Extraction of <i>Artemisia argyi</i> Levl. et Vant and its antifungal activity. <b>2013</b> , 6, 421-431		11
2015	Formulation optimization of palm kernel oil esters nanoemulsion-loaded with chloramphenicol suitable for meningitis treatment. <b>2013</b> , 112, 113-9		61
2014	Diethyl Phthalate Removal by Continuous-Flow Ozonation: Response Surface Modeling and Optimization. <b>2013</b> , 224, 1		5
2013	Entrapped Peat in Alginate Beads as Green Adsorbent for the Elimination of Dye Compounds from Vinasses. <b>2013</b> , 224, 1		21
2012	Development of green technology for extraction of nickel from spent catalyst and its optimization using response surface methodology. <b>2013</b> , 2,		7
2011	Modelling the size and polydispersity of magnetic hybrid nanoparticles for luminescent sensing of oxygen. <b>2013</b> , 180, 1201-1209		2
2010	Characterization of Carnauba Wax Inorganic Content. <b>2013</b> , 90, 1475-1483		7
2009	Optimization of Fenton process for refinery wastewater biodegradability augmentation. <b>2013</b> , 30, 1083-1090		25
2008	Improvement of the robustness of solar photo-Fenton processes using chemometric techniques for the decolorization of azo dye mixtures. <b>2013</b> , 131, 66-73		11

2007	Optimization of on-line solid phase extraction and HPLC conditions using response surface methodology for determination of WM-5 in mouse plasma and its application to pharmacokinetic study. <b>2013</b> , 923-924, 8-15		5
2006	Analysis of quinolone antibiotic derivatives in sewage sludge samples by liquid chromatography-tandem mass spectrometry: comparison of the efficiency of three extraction techniques. <i>Talanta</i> , <b>2013</b> , 106, 104-18	6.2	53
2005	Fenton and Fenton-like oxidation of pesticide acetamiprid in water samples: kinetic study of the degradation and optimization using response surface methodology. <b>2013</b> , 93, 1818-25		67
2004	Optimization of microwave-assisted extraction and characterization of phenolic compounds in cherry laurel ( <i>Prunus laurocerasus</i> ) leaves. <b>2013</b> , 120, 429-436		50
2003	Optimisation of ultrasonic-assisted extraction of antioxidant compounds from <i>Artemisia absinthium</i> using response surface methodology. <b>2013</b> , 141, 1361-8		71
2002	Optimization of ultrasonic-assisted extraction of antioxidant compounds from blackberry leaves using response surface methodology. <b>2013</b> , 44, 558-565		60
2001	Extraction of Epigallocatechin-3-gallate from green tea via supercritical fluid technology: Neural network modeling and response surface optimization. <b>2013</b> , 74, 128-136		68
2000	Influence of treatment conditions on the oxidation of micropollutants by <i>Trametes versicolor</i> laccase. <b>2013</b> , 30, 803-13		80
1999	Electrocatalytic Reduction of Metronidazole on Bismuth Modified Pencil-lead Electrode. <b>2013</b> , 60, n/a-n/a		1
1998	Automated carboxylesterase assay for the evaluation of ionic liquids' human toxicity. <b>2013</b> , 244-245, 563-9		22
1997	Development of a multiresidue method for the determination of endocrine disrupters in fish fillet using gas chromatography-triple quadrupole tandem mass spectrometry. <i>Talanta</i> , <b>2013</b> , 116, 827-34	6.2	44
1996	Chemometrically assisted optimization and validation of RP-HPLC method for the analysis of itraconazole and its impurities. <b>2013</b> , 63, 159-73		8
1995	Cyclic operation of a fixed-bed pressure and temperature swing process for CO <sub>2</sub> capture: Experimental and statistical analysis. <b>2013</b> , 12, 35-43		26
1994	Supercritical ethanol extraction of bio-oils from German beech wood: Design of experiments. <b>2013</b> , 49, 720-729		32
1993	Response surface method based robotic cells layout optimization in small part assembly. <b>2013</b> ,		5
1992	Artificial neural network modeling of the electrophoretic mobility of dexamethasone and two additives in micellar electrokinetic capillary chromatography. <b>2013</b> , 5, 1983		3
1991	<i>Cercis siliquastrum</i> Tree Leaves as an Efficient Adsorbent for Removal of Ag(I): Response Surface Optimization and Characterization of Biosorption. <b>2013</b> , 41, 1183-1195		7
1990	Optimization of solid-phase extraction based on a new sol-gel material using a response surface methodology for the determination of copper in water samples by flame atomic absorption spectrometry. <b>2013</b> , 93, 279-297		5



1989	Optimization of enzymatic hydrolysis of wool fibers for nanoparticles production using response surface methodology. <b>2013</b> , 24, 416-426	43
1988	Design Spaces for analytical methods. <b>2013</b> , 42, 157-167	145
1987	The antioxidant activity of teas measured by the FRAP method adapted to the FIA system: optimising the conditions using the response surface methodology. <b>2013</b> , 138, 574-80	31
1986	Optimized dispersion of ZnO nanoparticles and antimicrobial activity against foodborne pathogens and spoilage microorganisms. <b>2013</b> , 15, 1	16
1985	Chemical kinetic model for methylurea nitrosation reaction: Computer-aided solutions to inverse and direct problems. <b>2013</b> , 217, 385-397	9
1984	Study of various curved-blade impeller geometries on power consumption in stirred vessel using response surface methodology. <b>2013</b> , 44, 192-201	24
1983	Maximizing the Production of Liquid Smoke from Bark of Durio by Studying its Potential Compounds. <b>2013</b> , 17, 60-69	9
1982	Optimization the process variables for the fractionation of Saccharina japonica to enhance glucan content. <b>2013</b> , 19, 938-943	6
1981	Optimized transformation of animal fats to alkyl esters. <b>2013</b> , 109, 103-110	1
1980	Influence of the operation conditions on CO <sub>2</sub> capture by CaO-derived sorbents prepared from synthetic CaCO <sub>3</sub> . <b>2013</b> , 93, 2148-58	15
1979	Comparison of fuel and emission properties of petro diesel and sunflower biodiesel prepared by optimized production variables. <b>2013</b> , 109, 384-388	15
1978	Strategic parameter search method based on prediction errors and data density for efficient product design. <b>2013</b> , 127, 70-79	4
1977	Optimization of Microwave-Assisted Extraction of Phenolic Antioxidants from Grape Seeds ( <i>Vitis vinifera</i> ). <b>2013</b> , 6, 441-455	93
1976	Optimization of preparation conditions for quercetin nanoemulsions using response surface methodology. <b>2013</b> , 61, 2130-9	59
1975	Oxidation-coagulation of Eblockers by K <sub>2</sub> FeVIO <sub>4</sub> in hospital wastewater: assessment of degradation products and biodegradability. <b>2013</b> , 452-453, 137-47	51
1974	Model reduction and optimization of a reactive dividing wall batch distillation column inspired by response surface methodology and differential evolution. <b>2013</b> , 19, 29-50	9
1973	Simultaneous quantitation of volatile compounds in citrus beverage through stir bar sorptive extraction coupled with thermal desorption-programmed temperature vaporization. <i>Talanta</i> , <b>2013</b> , 107, 118-26	6.2 7
1972	Application of mathematical modeling for the development and optimization formulation with bioactive copper complex. <b>2013</b> , 39, 1084-90	6



1971	Treatment of aqueous solution of antibiotics amoxicillin and cloxacillin by modified photo-Fenton process. <b>2013</b> , 51, 7255-7268		13
1970	Comparative study of Box-Behnken, central composite, and Doehlert matrix for multivariate optimization of Pb (II) adsorption onto Robinia tree leaves. <b>2013</b> , 27, 12-20		118
1969	Use of experimental design to optimize docking performance: the case of LiGenDock, the docking module of LiGen, a new de novo design program. <b>2013</b> , 53, 1503-17		18
1968	Diameter-tuning of electrospun cellulose acetate fibers: a Box-Behnken design (BBD) study. <b>2013</b> , 92, 1100-6		27
1967	An efficient chemical analysis of phenolic acids and flavonoids in raw propolis by microwave-assisted extraction combined with high-performance liquid chromatography using the fused-core technology. <b>2013</b> , 81-82, 126-32		54
1966	Automatic and simple method for $^{226}\text{Ra}$ determination using a selective resin and liquid scintillation detection applied to urine samples. <b>2013</b> , 85, 5491-8		18
1965	Thermal regeneration study of high surface area activated carbon obtained from coconut shell: Characterization and application of response surface methodology. <b>2013</b> , 101, 53-60		68
1964	Study of nickel and copper biosorption on brown algae <i>Sargassum angustifolium</i> : application of response surface methodology (RSM). <b>2013</b> , 34, 2423-31		10
1963	Extraction and neoformation of antioxidant compounds by pressurized hot water extraction from apple byproducts. <b>2013</b> , 61, 5500-10		75
1962	Identification of phenolic compounds in <i>Equisetum giganteum</i> by LC-ESI-MS/MS and a new approach to total flavonoid quantification. <i>Talanta</i> , <b>2013</b> , 105, 192-203	6.2	54
1961	Monoethanolamine and ionic liquid aqueous solutions as effective systems for CO <sub>2</sub> capture. <b>2013</b> , 88, 1220-1227		31
1960	Stepwise optimization approach for improving LC-MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. <b>2013</b> , 48, 875-84		20
1959	Development and validation of an UPLC method for determination of content uniformity in low-dose solid drugs products using the design space approach. <i>Talanta</i> , <b>2013</b> , 115, 490-9	6.2	8
1958	Determination of volatile components of green, black, oolong and white tea by optimized ultrasound-assisted extraction-dispersive liquid-liquid microextraction coupled with gas chromatography. <b>2013</b> , 1280, 1-8		67
1957	Removal of Basic Textile Dyes in Single and Multi-Dye Solutions by Adsorption: Statistical Optimization and Equilibrium Isotherm Studies. <b>2013</b> , 41, 1080-1092		22
1956	Response surface methodology as an efficient tool for optimizing carbon adsorbents for CO <sub>2</sub> capture. <b>2013</b> , 106, 55-61		33
1955	A statistical approach for optimization of media components for phenol degradation by <i>Alcaligenes faecalis</i> using Plackett-Burman and response surface methodology. <b>2013</b> , 51, 6058-6069		14
1954	Optimization of Cu/activated carbon catalyst in low temperature selective catalytic reduction of NO process using response surface methodology. <b>2013</b> , 48, 879-86		22

1953	Optimisation of microwave-assisted extraction of Gac oil at different hydraulic pressure, microwave and steaming conditions. <b>2013</b> , 48, 1436-1444	13
1952	Experimental design for the optimization of the derivatization reaction in determining chlorophenols and chloroanisoles by headspace-solid-phase microextraction-gas chromatography/mass spectrometry. <b>2013</b> , 1296, 179-95	16
1951	DoE (Design of Experiments) Assisted Allylic Hydroxylation of Enones Catalysed by a Copper-Aluminium Mixed Oxide. <b>2013</b> , 2013, 8307-8314	34
1950	Response Surface Optimized Ultrasonic-Assisted Extraction of Quercetin and Isolation of Phenolic Compounds From <i>Hypericum perforatum</i> L. by Column Chromatography. <b>2013</b> , 48, 1665-1674	16
1949	Time-saving design of experiment protocol for optimization of LC-MS data processing in metabolomic approaches. <b>2013</b> , 85, 7109-16	36
1948	Comparison of microwave-assisted and conventional extraction of mangiferin from mango ( <i>Mangifera indica</i> L.) leaves. <b>2013</b> , 36, 3457-62	32
1947	Development, optimisation and validation of a stability-indicating HPLC method of achyrobichalcone quantification using experimental designs. <b>2013</b> , 24, 193-200	15
1946	Optimization of the Experimental Variables Influencing the Corrosion Rate of Aluminum Using Response Surface Methodology. <b>2013</b> , 69, 462-467	10
1945	Preparation of Gold Nanoparticles for Biomedical Applications Using Chemometric Technique. <b>2013</b> , 12,	3
1944	Degradation of Pesticide Chlorothalonil by Visible Light-Responsive Photocatalyst Ferrioxalate and under Solar Irradiation. <b>2013</b> , 2013, 1-7	7
1943	Preparation of biocompatible carboxymethyl chitosan nanoparticles for delivery of antibiotic drug. <b>2013</b> , 2013, 236469	27
1942	Optimization on preparation condition of propolis flavonoids liposome by response surface methodology and research of its immunoenhancement activity. <b>2013</b> , 2013, 505703	7
1941	Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions. <b>2013</b> , 6, 2723-2746	38
1940	Optimization of a gas chromatography-mass spectrometry method using chemometric techniques for the determination of ezetimibe in human plasma. <b>2013</b> , 37, 734-745	2
1939	Extraction of Fish Oil from the Muscle of Sturgeon Using Supercritical Fluids. <b>2013</b> , 655-657, 1975-1981	5
1938	Optimization of Ultrasonic-Assisted Extraction of Total Saponins from <i>Ophiopholis mirabilis</i> Using Response Surface Methodology. <b>2013</b> , 781-784, 687-693	1
1937	Modeling, Simulation, and Kinetic Studies of Solvent-Free Biosynthesis of Benzyl Acetate. <b>2013</b> , 2013, 1-9	7
1936	Process Variables of the Esterification Reaction of 3-Pentadecylphenol and Acryloyl Chloride Catalyzed by an Ionic Liquid. <b>2013</b> , 36, 559-566	16

1935	Optimum Extraction of Osthole and Imperatorin from the Fruits of <i>Cnidium monnieri</i> (L.) Cusson by Supercritical Fluid. <b>2013</b> , 48, 652-658	1
1934	Near-infrared spectroscopy as a potential tool with radial basis function for measurement of residual acrylamide in organic polymer. <b>2013</b> , 34, 91-9	7
1933	RAPID ONLINE MONITORING OF A HETEROGENEOUS CATALYST BY A PULSED REACTOR COUPLED TO GC-MS. <b>2013</b> , 41, 666-679	1
1932	Enzymatic modification of regenerated cellulosic fabrics to improve bacteria sorption properties. <b>2013</b> , 101, 1734-42	3
1931	Ultrasound assisted dispersive liquid-liquid microextraction followed by injector port silylation: a novel method for rapid determination of quinine in urine by GC-MS. <b>2013</b> , 5, 2277-86	17
1930	Sequential Injection Analysis in Selenium Determination by HG-AAS: Optimisation and Interference Study. <b>2013</b> , 9, 296-304	2
1929	Response surface methodology for ultrasound-assisted extraction of astaxanthin from <i>Haematococcus pluvialis</i> . <b>2013</b> , 11, 1644-55	85
1928	UV-Initiated polymerization of cationic polyacrylamide: synthesis, characterization, and sludge dewatering performance. <b>2013</b> , 2013, 937937	1
1927	Optimization of L-methionine Bioconversion to Aroma-active Methionol by <i>Kluyveromyces lactis</i> Using the Taguchi Method. <b>2013</b> , 2, 90	3
1926	Statistical Optimization of Biobutanol Production from Oil Palm Decanter Cake Hydrolysate by <i>Clostridium acetobutylicum</i> ATCC 824. <b>2013</b> , 8,	5
1925	Optimization of Ultrasound-assisted Extraction Procedure to Determine Astaxanthin in <i>Xanthophyllomyces dendrorhous</i> by Box-Behnken Designn. <b>2013</b> , 5, 1536-1542	2
1924	An optimized analytical method for the simultaneous detection of iodoform, iodoacetic acid, and other trihalomethanes and haloacetic acids in drinking water. <b>2013</b> , 8, e60858	6
1923	Response surface methodology optimization of fermentation conditions for rapid and efficient accumulation of macrolactin A by marine <i>Bacillus amyloliquefaciens</i> ESB-2. <b>2012</b> , 18, 408-17	13
1922	Integrated electrokinetics-adsorption remediation of saline-sodic soils: effects of voltage gradient and contaminant concentration on soil electrical conductivity. <b>2013</b> , 2013, 618495	6
1921	Application of Response Surface Methodology (RSM) for Optimization of Anti-Obesity Effect in Fermented Milk by <i>Lactobacillus plantarum</i> Q180. <b>2014</b> , 34, 836-43	6
1920	Optimized method for preparation of IgG-binding bacterial magnetic nanoparticles. <b>2014</b> , 9, e109914	8
1919	Production of novel antibiotics zeamines through optimizing <i>Dickeya zeae</i> fermentation conditions. <b>2014</b> , 9, e116047	18
1918	Fabrication of Electrospun Polyamide-6/Chitosan Nanofibrous Membrane toward Anionic Dyes Removal. <b>2014</b> , 2014, 1-12	39

1917	A comparison of central composite design and Taguchi method for optimizing Fenton process. <b>2014</b> , 2014, 869120	113
1916	Geochemical modeling of trivalent chromium migration in saline-sodic soil during Lasagna process: impact on soil physicochemical properties. <b>2014</b> , 2014, 272794	7
1915	Optimization of Enzyme-assisted Revalorization of Sweet Lime (Citrus limetta Risso) Peel into Phenolic Antioxidants. <b>2014</b> , 9,	17
1914	Optimization of Total Carotenoid Production by Halorubrum Sp. TBZ126 Using Response Surface Methodology. <b>2014</b> , 06,	18
1913	Microbial mediated preparation, characterization and optimization of gold nanoparticles. <b>2014</b> , 45, 1493-501	53
1912	6 Method Development with Miniaturized Sample Preparation Techniques. <b>2014</b> , 276-307	
1911	Investigation of the gibberellic acid optimization with a statistical tool from Penicillium variable in batch reactor. <b>2014</b> , 44, 572-85	1
1910	Innovative Methods for the Extraction and Chromatographic Analysis of Honey Bee Products. <b>2014</b> , 33-49	2
1909	The use of chlorine dioxide for the inactivation of copepod zooplankton in drinking water treatment. <b>2014</b> , 35, 2846-51	13
1908	Optimization of Ultrasonic-Assisted Extraction of Gymnemic Acid from Gymnema sylvestre Leaves Using Response Surface Methodology. <b>2014</b> , 4, 104-112	2
1907	A new approach for optimization of small-scale RO membrane using artificial groundwater. <b>2014</b> , 35, 2988-99	13
1906	Determination of naphazoline hydrochloride in biological and pharmaceutical samples by a quantum dot-assisted chemiluminescence system using response-surface methodology. <b>2014</b> , 29, 994-1002	8
1905	Continuous esterification of free fatty acids in crude biodiesel by an integrated process of supercritical methanol and sodium methoxide catalyst. <b>2014</b> , 174, 1484-1495	6
1904	Diamond-coated tube drawing die optimization using finite element model simulation and response surface methodology. <b>2014</b> , 228, 1432-1441	8
1903	Characterization of Actinomycetes and Trichoderma spp. for cellulase production utilizing crude substrates by response surface methodology. <b>2014</b> , 3, 622	14
1902	Optimization of the column studies into the adsorption of basic dye using tartaric acid-treated bagasse. <b>2014</b> , 52, 6194-6205	7
1901	Modeling of Cu-CMP and Its Application for Hotspot Prediction. <b>2014</b> , 3, P126-P132	2
1900	Semi-interpenetrating hybrid membranes containing ADOGEN® 364 for Cd(II) transport from HCl media. <b>2014</b> , 280, 603-11	3

1899	A multiresidue method for the determination of selected endocrine disrupting chemicals in human breast milk based on a simple extraction procedure. <i>Talanta</i> , <b>2014</b> , 130, 561-70	6.2	43
1898	Optimization of operating conditions in oxidation of dibenzothiophene in the light hydrocarbon model. <b>2014</b> , 20, 315-323		2
1897	Experimental design in analytical chemistry--part I: theory. <b>2014</b> , 97, 3-11		48
1896	Performance Optimization, Prediction, and Adequacy by Response Surfaces Methodology with Allusion to DRF Technique. <b>2014</b> , 2014, 1-12		1
1895	Prediction of the retention of s-triazines in reversed-phase high-performance liquid chromatography under linear gradient-elution conditions. <b>2014</b> , 37, 1930-6		20
1894	Development of formaldehyde detection method using onion juice as chromogenic agent. <b>2014</b> , 52, 1093-1100		2
1893	Optimization of Process Parameters of Osthole-Loaded PLGA Microparticles Prepared Using Emulsification-Solvent Extraction. <b>2014</b> , 35, 1247-1254		1
1892	Investigation on Fluidized Bed Bioreactor Treating Ice Cream Wastewater Using Response Surface Methodology and Artificial Neural Network. <b>2014</b> , 12, 563-573		5
1891	Optimization on drying conditions of a solar electrohydrodynamic drying system based on desirability concept. <b>2014</b> , 2, 758-67		12
1890	An optimized extraction technique for acetylcholinesterase inhibitors from the Camellia japonica seed cake by using response surface methodology. <b>2014</b> , 78, 1237-41		4
1889	Application of response surface methodology to optimize the extraction of acetylcholinesterase inhibitors from Rhodiola sachalinensis. <b>2014</b> , 57, 807-811		1
1888	Optimization of homogenization-evaporation process for lycopene nanoemulsion production and its beverage applications. <b>2014</b> , 79, N1604-10		48
1887	Biosynthesis of Flavour-Active Esters via Lipase-Mediated Reactions and Mechanisms. <b>2014</b> , 67, 1373		13
1886	Optimization of Fenton treatment of amoxicillin and cloxacillin antibiotic aqueous solution. <b>2014</b> , 52, 1878-1884		14
1885	Kinetics and equilibrium adsorption of iron (II), lead (II), and copper (II) onto activated carbon prepared from olive stone waste. <b>2014</b> , 52, 7887-7897		58
1884	Extraction and isolation of flavonoid glycosides from Flos Sophorae Immaturus using ultrasonic-assisted extraction followed by high-speed countercurrent chromatography. <b>2014</b> , 37, 957-65		31
1883	Adsorption of cadmium onto modified nanosized magnetite: kinetic modeling, isotherm studies, and process optimization. <b>2014</b> , 1-13		4
1882	Optimization of Ultrasound-assisted extraction of polyphenols, tannins and epigallocatechin gallate from barks of Stryphnodendron adstringens (Mart.) Coville bark extracts. <b>2014</b> , 10, S318-23		18

1881	Optimization of Viscozyme-L assisted extraction of coconut milk and virgin coconut oil. <b>2014</b> , 33, 276	8
1880	Statistical Optimization of Media Components for Production of Fibrinolytic Alkaline Metalloproteases from <i>Xenorhabdus indica</i> KB-3. <b>2014</b> , 2014, 293434	14
1879	Numerical and Experimental Investigation of the Effect of Geometrical Parameters on the Performance of a Contraction-Expansion Helical Mixer. <b>2014</b> , 12, 465-475	8
1878	Computational study and multivariate optimization of hydrochlorothiazide analysis using molecularly imprinted polymer electrochemical sensor based on carbon nanotube/polypyrrole film. <b>2014</b> , 190, 829-837	64
1877	Modeling and optimization of green tea precipitation for the recovery of catechins. <b>2014</b> , 129, 129-136	11
1876	Enhancement of convective drying by application of airborne ultrasound - a response surface approach. <b>2014</b> , 21, 2144-50	54
1875	Removal of bacteriophage f2 in water by nanoscale zero-valent iron and parameters optimization using response surface methodology. <b>2014</b> , 252, 150-158	26
1874	Optimization of Direct Yellow 12 dye removal by nanoscale zero-valent iron using response surface methodology. <b>2014</b> , 20, 2535-2542	36
1873	Optimization of pancreatic lipase inhibition by <i>Cudrania tricuspidata</i> fruits using response surface methodology. <b>2014</b> , 24, 2329-33	27
1872	Investigation of process variables and intensification effects of ultrasound applied in oxidative desulfurization of model diesel over MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst. <b>2014</b> , 21, 692-705	55
1871	Rapid and sensitive ultrasonic-assisted derivatisation microextraction (UDME) technique for bitter taste-free amino acids (FAA) study by HPLC-FLD. <b>2014</b> , 143, 97-105	26
1870	Multivariate curve resolution-alternating least squares (MCR-ALS) and central composite experimental design for monitoring and optimization of simultaneous removal of some organic dyes. <b>2014</b> , 11, 241-248	13
1869	Optimizing decolorization of Methylene Blue and Methyl Orange dye by pulsed discharged plasma in water using response surface methodology. <b>2014</b> , 45, 589-595	30
1868	Optimization of Headspace Single-Drop Microextraction Coupled with Gas Chromatography-Mass Spectrometry for Determining Volatile Oxidation Compounds in Mayonnaise by Response Surface Methodology. <b>2014</b> , 7, 438-448	10
1867	Development and Validation of RP-HPLC Method for the Simultaneous Quantification of Seven Flavonoids in <i>Pericarpium Citri reticulatae</i> . <b>2014</b> , 7, 89-99	9
1866	Evaluation of elliptical finned-tube heat exchanger performance using CFD and response surface methodology. <b>2014</b> , 75, 45-53	89
1865	The optimization of GPS positioning using response surface methodology. <b>2014</b> , 7, 1223-1231	5
1864	Hydrolysis of hemicellulose from barley straw and enhanced enzymatic saccharification of cellulose using acidified zinc chloride. <b>2014</b> , 65, 56-63	12

1863	NO Fluorescence Quantification by Chitosan CdSe Quantum Dots Nanocomposites. <b>2014</b> , 24, 639-48	8
1862	Optimization of ultrasonic-assisted extraction of continentalic acid from the root of <i>Aralia continentalis</i> by using the response surface methodology. <b>2014</b> , 37, 1437-44	6
1861	Removal of pigments from aqueous solution by a calcium alginate-grape marc biopolymer: a kinetic study. <b>2014</b> , 101, 954-60	25
1860	Experimental design and multiple response optimization. Using the desirability function in analytical methods development. <i>Talanta</i> , <b>2014</b> , 124, 123-38	6.2 563
1859	Synthesis of ZnCl <sub>2</sub> -activated carbon from macadamia nut endocarp ( <i>Macadamia integrifolia</i> ) by microwave-assisted pyrolysis: Optimization using RSM and methylene blue adsorption. <b>2014</b> , 105, 166-176	97
1858	Multi-responses extraction optimization based on response surface methodology combined with polarity switching HPLC-MS/MS for the simultaneous quantitation of 11 compounds in Cortex Fraxini: application to four species of Cortex Fraxini and its 3 confusable species. <b>2014</b> , 91, 210-21	23
1857	Optimization of the supercritical fluid coextraction of oil and diterpenes from spent coffee grounds using experimental design and response surface methodology. <b>2014</b> , 85, 165-172	83
1856	Microencapsulation of pulp and ultrafiltered cactus pear ( <i>Opuntia ficus-indica</i> ) extracts and betanin stability during storage. <b>2014</b> , 157, 246-51	61
1855	Optimization of Ultrasonic-Assisted Extraction of Active Compounds from the Fruit of Star Anise by Using Response Surface Methodology. <b>2014</b> , 7, 1661-1670	7
1854	Extraction optimization of the polysaccharide from <i>Adenophorae Radix</i> by central composite design. <b>2014</b> , 67, 318-22	17
1853	Hybrid central composite design approach for simultaneous optimization of removal of alizarin red S and indigo carmine dyes using cetyltrimethylammonium bromide-modified TiO <sub>2</sub> nanoparticles. <b>2014</b> , 2, 988-1000	51
1852	Multi-response optimization of the extraction and derivatization protocol of selected polar metabolites from apple fruit tissue for GC-MS analysis. <b>2014</b> , 824, 42-56	26
1851	Synthesis of Ascorbyl Palmitate with Immobilized Lipase from <i>Pseudomonas stutzeri</i> . <b>2014</b> , 91, 405-410	6
1850	Cr(VI) transport via a supported ionic liquid membrane containing CYPHOS IL101 as carrier: system analysis and optimization through experimental design strategies. <b>2014</b> , 273, 253-62	31
1849	Chemometric optimization of hollow fiber-liquid phase microextraction for preconcentration of trace elements in diesel and gasoline prior to their ICP-OES determination. <b>2014</b> , 114, 141-147	32
1848	Developing an effective means to reduce 5-hydroxymethyl-2-furfural from caramel colour. <b>2014</b> , 143, 60-5	3
1847	Optimization of total polysaccharide extraction from <i>Herba Lophatheri</i> using RSM and antioxidant activities. <b>2014</b> , 67, 37-42	17
1846	Hydrogen production via decomposition of methane over activated carbons as catalysts: Full factorial design. <b>2014</b> , 39, 7004-7014	28



1845	Effect of acoustic frequency and power density on the aqueous ultrasonic-assisted extraction of grape pomace ( <i>Vitis vinifera</i> L.) - a response surface approach. <b>2014</b> , 21, 2176-84	142
1844	Feasibility study and performance assessment for the integration of a steam-injected gas turbine and thermal desalination system. <b>2014</b> , 332, 18-32	25
1843	Preparation of antioxidants from sugarcane molasses. <b>2014</b> , 152, 552-7	17
1842	Experimental design of wastewater treatment with electro-coagulation. <b>2014</b> , 25, 86-95	6
1841	Application of Box-Behnken Design in the Optimization of In Situ Surfactant-Based Solid Phase Extraction Method for Spectrophotometric Determination of Quinoline Yellow in Food and Water Samples. <b>2014</b> , 7, 1123-1129	3
1840	Analysis of Antioxidant Activity, Chlorogenic Acid, and Rutin Content of <i>Camellia sinensis</i> Infusions Using Response Surface Methodology Optimization. <b>2014</b> , 7, 2033-2041	43
1839	Optimisation of low temperature extraction of banana juice using commercial pectinase. <b>2014</b> , 151, 182-90	48
1838	Maximising the phytochemical content and antioxidant activity of Ecuadorian brown rice sprouts through optimal germination conditions. <b>2014</b> , 152, 407-14	78
1837	Effect of Process Variable on the Gelation Time of Sulfonated Polyacrylamide Nanocomposite Hydrogel. <b>2014</b> , 35, 663-671	7
1836	Statistical approaches to maximize recombinant protein expression in <i>Escherichia coli</i> : a general review. <b>2014</b> , 94, 22-32	99
1835	Optimization of naproxen and ibuprofen removal in photolysis using a Box-Behnken design: effect of Fe(III), NO <sub>3</sub> <sup>-</sup> , and humic acid. <b>2014</b> , 49, 422-33	5
1834	Enhanced high-performance liquid chromatography method for the determination of retinoic acid in plasma. Development, optimization and validation. <b>2014</b> , 1353, 40-8	12
1833	A Rapid Quantification of $\beta$ -Carotene in Fruits and Vegetables by Dispersive Liquid-Liquid Microextraction Coupled with UV-Vis Spectrophotometry: Optimized by Response Surface Methodology. <b>2014</b> , 7, 1481-1488	8
1832	Degradation of $\beta$ -blockers in hospital wastewater by means of ozonation and Fe <sup>2+</sup> /ozonation. <b>2014</b> , 48, 280-95	65
1831	Thermally activated carbon from bovine bone: Optimization of synthesis conditions by response surface methodology. <b>2014</b> , 110, 455-462	12
1830	Effect of Alternating Furrow Irrigation and Nitrogen Fertilizer on Nitrous Oxide Emission in Corn Field. <b>2014</b> , 45, 592-608	7
1829	Elimination of micronutrients from winery wastewater using entrapped grape marc in alginate beads. <b>2014</b> , 12, 73-79	10
1828	Bacterial cellulose as carrier for immobilization of laccase: Optimization and characterization. <b>2014</b> , 14, 500-508	29



1827	Development of ultrasonic-assisted closed in-syringe extraction and derivatization for the determination of labile abietic acid and dehydroabietic acid in cosmetics. <b>2014</b> , 1371, 20-9	11
1826	Application of response surface methodology for rapid chrysene biodegradation by newly isolated marine-derived fungus <i>Cochliobolus lunatus</i> strain CHR4D. <b>2014</b> , 52, 908-17	15
1825	The effect of diameter on the thermal properties of the modeled shape-stabilized phase change nanofibers (PCNs). <b>2014</b> , 118, 1619-1629	19
1824	Treatment of wastewater from sugarcane using entrapped activated carbon. <b>2014</b> , 12, 189-194	4
1823	Asymmetric reduction of 4-hydroxy-2-butanone to (R)-1,3-butanediol with absolute stereochemical selectivity by a newly isolated strain of <i>Pichia jadinii</i> . <b>2014</b> , 41, 1743-52	11
1822	Design and optimization of a total vaporization technique coupled to solid-phase microextraction. <b>2014</b> , 86, 11319-25	27
1821	Optimizing medium for producing ethanol from industrial crop Jerusalem artichoke by one-step fermentation and recombinant <i>Saccharomyces cerevisiae</i> . <b>2014</b> , 148, 118-126	5
1820	BoxâBehnken design applied to ultrasound-assisted extraction for the determination of polycyclic aromatic hydrocarbons in river sediments by gas chromatography/mass spectrometry. <b>2014</b> , 6, 1650-1656	13
1819	The Oxidative Desulfurization of Fuels with a Transition Metal Catalyst: A Comparative Assessment of Different Mixing Techniques. <b>2014</b> , 11, 833-848	28
1818	Innovative pretreatment of sugarcane bagasse using supercritical CO <sub>2</sub> followed by alkaline hydrogen peroxide. <b>2014</b> , 167, 192-7	37
1817	Optimization of solid phase extraction chromatography for the separation of Np from U and Pu using experimental design tools in complex matrices. <b>2014</b> , 6, 139-146	1
1816	Nonlinear estimation reveals a working mechanism of Xie-Xin decoction, a traditional Chinese combinatorial formula. <b>2014</b> , 6, 7898-7905	
1815	Subcritical water extraction of steviol glycosides from <i>Stevia rebaudiana</i> leaves and characterization of the raffinate phase. <b>2014</b> , 95, 422-430	25
1814	Production, optimization and evaluation of multicomponent holocellulase produced by <i>Streptomyces</i> sp. ssr-198. <b>2014</b> , 45, 2379-2386	17
1813	Preparation of Urea-Imprinted Cross-Linked Chitosan and Its Adsorption Behavior. <b>2014</b> , 47, 1063-1078	12
1812	Optimization of subcritical water extraction of antioxidants from <i>Coriandrum sativum</i> seeds by response surface methodology. <b>2014</b> , 95, 560-566	64
1811	Transport properties of SPEEK nanocomposite proton conducting membranes: Optimization of additives content by response surface methodology. <b>2014</b> , 45, 2265-2279	20
1810	Optimization of Ethanol Supercritical Fluid Extraction of Medicinal Compounds from St. John's Wort by Central Composite Design. <b>2014</b> , 47, 1900-1911	7

1809	Multi-Objective Optimization of Indigo Carmine Removal by an Electrocoagulation/GAC Coupling Process in a Batch Reactor. <b>2014</b> , 49, 924-938		7
1808	Comparison of Box-Behnken and central composite designs in optimization of fullerene loaded palm-based nano-emulsions for cosmeceutical application. <b>2014</b> , 59, 309-317		66
1807	Multivariate optimization of a solid phase extraction system employing L-tyrosine immobilized on carbon nanotubes applied to molybdenum analysis by inductively coupled plasma optical emission spectrometry with ultrasound nebulization. <b>2014</b> , 117, 40-45		6
1806	A new analytical method to determine non-steroidal anti-inflammatory drugs in surface water using in situ derivatization combined with ultrasound-assisted emulsification microextraction followed by gas chromatography-mass spectrometry. <i>Talanta</i> , <b>2014</b> , 129, 552-9	6.2	36
1805	Bioaugmentation of latex rubber sheet wastewater treatment with stimulated indigenous purple nonsulfur bacteria by fermented pineapple extract. <b>2014</b> , 17, 174-182		12
1804	Box-Behnken factorial design to obtain a phenolic-rich extract from the aerial parts of <i>Chelidonium majus</i> L. <i>Talanta</i> , <b>2014</b> , 130, 128-36	6.2	26
1803	A novel magnetic reusable nanocomposite with enhanced photocatalytic activities for dye degradation. <b>2014</b> , 134, 210-219		54
1802	Response surface optimization of <i>Smyrniun cordifolium</i> Boiss (SCB) oil extraction via supercritical carbon dioxide. <b>2014</b> , 95, 1-7		28
1801	Performances of clay aerogel polymer composites for oil spill sorption: Experimental design and modeling. <b>2014</b> , 133, 260-275		27
1800	Water-contained surfactant-based vortex-assisted microextraction method combined with liquid chromatography for determination of synthetic antioxidants from edible oil. <b>2014</b> , 1361, 9-15		23
1799	Carbon dots from tryptophan doped glucose for peroxynitrite sensing. <b>2014</b> , 852, 174-80		38
1798	Application of Carbon Nanotubes Coated Electrodes and Immobilized TiO <sub>2</sub> for Dye Degradation in a Continuous Photocatalytic-Electro-Fenton Process. <b>2014</b> , 53, 16261-16269		37
1797	Response surface optimization of supercritical CO <sub>2</sub> extraction of Eucopherol from gel and skin of Aloe vera and almond leaves. <b>2014</b> , 95, 348-354		22
1796	Response surface methodology as a tool to optimize the electrochemical incineration of bromophenol blue on boron-doped diamond anode. <b>2014</b> , 50, 1-8		17
1795	Assessing medium constituents for optimal heterologous production of anhydromevalonolactone in recombinant <i>Aspergillus oryzae</i> . <b>2014</b> , 4, 52		2
1794	The effect of alkali treatment on rice husk moisture content and drying kinetics. <b>2014</b> , 70, 468-475		26
1793	Optimization of supercritical fluid extraction of geniposidic acid from plantain seeds using response surface methodology. <b>2014</b> , 7, 309-316		11
1792	Response surface methodology approach for methyl orange dye removal using optimized Acacia mangium wood activated carbon. <b>2014</b> , 48, 1085-1105		18

1791	Optimization of omega-3 enriched-diacylglycerol production by enzymatic esterification using a response surface methodology. <b>2014</b> , 23, 1129-1136	6
1790	Second-order calibration for simultaneous determination of pharmaceuticals in water samples by solid-phase extraction and fast high-performance liquid chromatography with diode array detector. <b>2014</b> , 137, 146-154	13
1789	Modeling and optimization of air gap membrane distillation system for desalination. <b>2014</b> , 354, 68-75	42
1788	A highly sensitive method for in vitro testing of fluorinated drug candidates using high-resolution continuum source molecular absorption spectrometry (HR-CS MAS). <b>2014</b> , 406, 3431-42	10
1787	Application of design of experiments, response surface methodology and partial least squares regression on nanocomposites synthesis. <b>2014</b> , 71, 1961-1982	12
1786	Development of Salvianolic acid B-Tanshinone II A-Glycyrrhetic acid compound liposomes: formulation optimization and its effects on proliferation of hepatic stellate cells. <b>2014</b> , 462, 11-8	25
1785	The use of response surface methodology to improve the thermal transmittance of lightweight concrete hollow bricks by FEM. <b>2014</b> , 52, 331-344	39
1784	Degrading a mixture of three textile dyes using photo-assisted electrochemical process with BDD anode and Oâ€diffusion cathode. <b>2014</b> , 21, 8543-54	6
1783	Coagulant recovery from water treatment plant sludge and reuse in post-treatment of UASB reactor effluent treating municipal wastewater. <b>2014</b> , 21, 10407-18	33
1782	Response surface methodology to understand the anaerobic biodegradation of organochlorine pesticides (OCPs) in contaminated soilâ€significance of nitrate concentration and bioaccessibility. <b>2014</b> , 14, 1537-1548	1
1781	Optimization of Mixing Parameters for E Tocopherol Nanodispersions Prepared Using Solvent Displacement Method. <b>2014</b> , 91, 1397-1405	39
1780	Electrochemical degradation of three reactive dyes using carbon paper cathode modified with carbon nanotubes and their simultaneous determination by partial least square method. <b>2014</b> , 31, 785-793	12
1779	Optimization of separation and determination of chloramphenicol in food using aqueous two-phase flotation coupled with HPLC. <b>2014</b> , 11, 1775-1782	9
1778	Avermectin B1b production optimization from Streptomyces avermitilis 41445 UV 45(m)3 using response surface methodology and artificial neural network. <b>2014</b> , 57, 371-378	
1777	Experimental design as an optimization approach for fabrication a new selective sensor for thallium(I) based on calix[6]arene. <b>2014</b> , 69, 646-655	3
1776	Application of response surface methodology in enzymatic synthesis: A review. <b>2014</b> , 40, 252-262	5
1775	Optimization of headspace solid-phase microextraction technique for extraction of volatile smokeless powder compounds in forensic applications. <b>2014</b> , 59, 1100-8	11
1774	Multivariate experimental design in environmental analysis. <b>2014</b> , 62, 86-92	52

1773	The Surface Modification of Zeolite 4A and Its Effect on the Water-Absorption Capability of Starch-G-Poly (Acrylic Acid) Composite. <b>2014</b> , 62, 211-223	11
1772	A comparative study of multiresponse optimization criteria working ability. <b>2014</b> , 138, 171-177	8
1771	Solvent Extraction Studies for Separation of Zn(II) and Mn(II) from Spent Batteries Leach Solutions. <b>2014</b> , 49, 398-409	12
1770	RSM modeling and optimization of glucose oxidase immobilization on TiO <sub>2</sub> /polyurethane: Feasibility study of AO7 decolorization. <b>2014</b> , 2, 1741-1747	13
1769	Ionic liquid intercalated clay sorbents for micro solid phase extraction of steroid hormones from water samples with analysis by liquid chromatography-tandem mass spectrometry. <b>2014</b> , 1361, 43-52	32
1768	Advanced photochemical oxidation of emergent micropollutants: carbamazepine. <b>2014</b> , 49, 988-97	8
1767	Allylic oxidation of alkenes catalyzed by a copper-aluminum mixed oxide. <b>2014</b> , 16, 1598-601	48
1766	Microwave-assisted extraction of bioactive alkaloids from <i>Stephania sinica</i> . <b>2014</b> , 130, 173-181	22
1765	Computer-assisted electrochemical fabrication of a highly selective and sensitive amperometric nitrite sensor based on surface decoration of electrochemically reduced graphene oxide nanosheets with CoNi bimetallic alloy nanoparticles. <b>2014</b> , 40, 109-20	37
1764	Experimental design and optimization of leaching process for recovery of valuable chemical elements (U, La, V, Mo, Yb and Th) from low-grade uranium ore. <b>2014</b> , 275, 136-45	28
1763	Simultaneous determination of macronutrients, micronutrients and trace elements in mineral fertilizers by inductively coupled plasma optical emission spectrometry. <b>2014</b> , 96, 1-7	22
1762	Application of response surface methodology for modeling and optimization of membrane distillation desalination process. <b>2014</b> , 20, 3163-3169	65
1761	Quadratic response models for N and P mineralization in domestic sewage sludge for mininig dump reclamation. <b>2014</b> , 75, 106-115	15
1760	Efficient loading and entrapment of tamoxifen in human serum albumin based nanoparticulate delivery system by a modified desolvation technique. <b>2014</b> , 92, 1681-1692	22
1759	The effect of wind on the optimal design and performance of a modular air-cooled condenser for a concentrated solar power plant. <b>2014</b> , 68, 886-895	31
1758	Process optimization and modeling of microencapsulated phase change material using response surface methodology. <b>2014</b> , 70, 183-189	26
1757	Optimization of SERS scattering by Ag-NPs-coated filter paper for quantification of nicotinamide in a cosmetic formulation. <i>Talanta</i> , <b>2014</b> , 118, 353-8	6.2 24
1756	Development and practical application of accelerated solvent extraction for the isolation of cocaine/crack biomarkers in meconium samples. <b>2014</b> , 957, 14-23	16

1755	Modeling Embedded Optimization Strategy for the Formulation of Bacterial Lipase-Based Biodetergent. <b>2014</b> , 53, 514-520		4
1754	Acyloxylation of cyclic enones: synthesis of densely oxygenated guaianolides. <b>2014</b> , 79, 6501-9		22
1753	Uranium adsorption studies on hydrothermal carbon produced by chitosan using statistical design method. <b>2014</b> , 301, 197-205		24
1752	Photo-, Bio-, and Magneto-active Colored Polyester Fabric with Hydrophobic/Hydrophilic and Enhanced Mechanical Properties through Synthesis of TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /Ag Nanocomposite. <b>2014</b> , 53, 1119-1129		57
1751	Development, optimization and validation of a rapid colorimetric microplate bioassay for neomycin sulfate in pharmaceutical drug products. <b>2014</b> , 103, 104-11		13
1750	Sensitive, accurate and rapid detection of trace aliphatic amines in environmental samples with ultrasonic-assisted derivatization microextraction using a new fluorescent reagent for high performance liquid chromatography. <b>2014</b> , 1352, 8-19		16
1749	Determination of copper in airborne particulate matter using slurry sampling and chemical vapor generation atomic absorption spectrometry. <i>Talanta</i> , <b>2014</b> , 127, 140-5	6.2	9
1748	Evaluation of operating conditions on DBFC (direct borohydride fuel cell) performance with PtRu anode catalyst by response surface method. <b>2014</b> , 71, 160-169		28
1747	Use of response surface methodology for pretreatment of hospital wastewater by O <sub>3</sub> /UV and O <sub>3</sub> /UV/H <sub>2</sub> O <sub>2</sub> processes. <b>2014</b> , 132, 561-567		40
1746	Optimization of microwave-assisted extraction of natural antioxidants from spent espresso coffee grounds by response surface methodology. <b>2014</b> , 80, 69-79		79
1745	Rational development and validation of a new microbiological assay for linezolid and its measurement uncertainty. <i>Talanta</i> , <b>2014</b> , 127, 225-9	6.2	24
1744	Release kinetics of flavonoids in methyl linoleate from microparticles designed with inulin and channelizing agent. <b>2014</b> , 64, 99-105		14
1743	Supercritical fluid extraction of <i>Prunus persica</i> leaves and utilization possibilities as a source of phenolic compounds. <b>2014</b> , 92, 55-59		33
1742	Microencapsulation of Gac oil: Optimisation of spray drying conditions using response surface methodology. <b>2014</b> , 264, 298-309		74
1741	Synthesis of zinc oxide nanoparticles-chitosan for extraction of methyl orange from water samples: cuckoo optimization algorithm-artificial neural network. <b>2014</b> , 131, 189-94		28
1740	Building phenomenological models that relate proteolysis in pork muscles to temperature, water and salt content. <b>2014</b> , 151, 7-14		9
1739	Multivariate optimization of capillary electrophoresis methods: a critical review. <b>2014</b> , 87, 290-307		72
1738	Optimization of Removal of Phenol from Aqueous Solution by Ionic Liquid-Based Emulsion Liquid Membrane Using Response Surface Methodology. <b>2014</b> , 42, 64-70		14

1737	Multivariate optimization for extraction of pyrethroids in milk and validation for GC-ECD and CG-MS/MS analysis. <b>2014</b> , 11, 11421-37	10
1736	Multi response Optimization of Induction Hardening Process -a New Approach. <b>2014</b> , 47, 862-869	3
1735	Box-Behnken design for optimum extraction of biogenetic chemicals from <i>P. lanceolata</i> with an energy audit (thermal & microwave & acoustic): a case study of HPTLC determination with additional specificity using on-line/off-line coupling with DAD/NIR/ESI-MS. <b>2014</b> , 25, 551-60	6
1734	Biosorption of copper (II) on <i>Sargassum angostifolium</i> C.Agardh phaeophyceae biomass. <b>2014</b> , 26, 176-183	8
1733	Water-Soluble Vitamins. <b>2015</b> , 611-634	
1732	Configuring Distributed Computations Using Response Surfaces. <b>2015</b> ,	17
1731	Advanced Stopped-in-Loop Flow Analysis with a Reagents-Merging Zones Technique for a Catalytic Successive Determination of Vanadium and Iron. <b>2015</b> , 31, 1099-103	
1730	Optimisation of process parameters for enhanced biobutanol production from <i>Sargassum wightii</i> hydrolysate. <b>2015</b> , 11, 303	4
1729	Extraction and optimization of <i>Mucuna pruriens</i> for dyeing of leather. <b>2015</b> , 17, 57-63	3
1728	Response surface methodology (RSM) modeling of microwave-assisted extraction of natural dye from <i>Swietenia mahagony</i> : A comparison between Box-Behnken and central composite design method. <b>2015</b> ,	6
1727	Optimization and economic analysis for a small scale nanofiltration and reverse osmosis water desalination system. <b>2015</b> , 15, 1027-1033	10
1726	Synthesis of Er <sup>3+</sup> :Al <sub>2</sub> O <sub>3</sub> -doped and rutile-dominant TiO <sub>2</sub> composite with increased responsive wavelength range and enhanced photocatalytic performance under visible light irradiation. <b>2015</b> , 407, 38-46	9
1725	Hardness Response Surface for U-7.5Nb-2.5Zr Alloy: A Study of Recovery/Recrystallization and Phase Transformation Interactions. <b>2015</b> , 2, 147-156	1
1724	Application of response surface methodology to optimise microbial inactivation of shrimp and conch by supercritical carbon dioxide. <b>2015</b> , 95, 1016-23	11
1723	H <sub>2</sub> S Reactive Absorption from Off-Gas in a Spray Column: Insights from Experiments and Modeling. <b>2015</b> , 38, 2137-2145	8
1722	Supercritical Fluid Extraction of Bio-oils from Hawthorn Stones: A Box-Behnken Design for the Extraction Parameters. <b>2015</b> , 3, 40-47	3
1721	Optimization of Enzymatic Hydrolysis for Pretreated Wood Waste by Response Surface Methodology in Fermentative Hydrogen Production. <b>2015</b> , 13, 153-166	2
1720	Optimization of Experimental Parameters to Explore Small-Ligand/Aptamer Interactions through Use of (1) H NMR Spectroscopy and Molecular Modeling. <b>2015</b> , 21, 15740-8	5

1719	Optimizing the production of activated carbon from fast pyrolysis char. <b>2015</b> , 03, 104-113	6
1718	Optimization of microwave-assisted extraction for six inorganic and organic arsenic species in chicken tissues using response surface methodology. <b>2015</b> , 38, 3063-70	17
1717	Optimization and determination of polycyclic aromatic hydrocarbons in biochar-based fertilizers. <b>2015</b> , 38, 864-70	15
1716	Determination of N-nitrosamines by automated dispersive liquid-liquid microextraction integrated with gas chromatography and mass spectrometry. <b>2015</b> , 38, 1741-8	21
1715	Optimization of microwave drying conditions of two banana varieties using response surface methodology. <b>2015</b> , 35, 438-444	15
1714	Cooking and drying processes optimization of <i>Pentadesma butyracea</i> kernels during butter production. <b>2015</b> , 14, 2777-2785	1
1713	Optimization of Extraction Condition of Bee Pollen Using Response Surface Methodology: Correlation between Anti-Melanogenesis, Antioxidant Activity, and Phenolic Content. <b>2015</b> , 20, 19764-74	23
1712	Influence of Maltodextrin and Spray Drying Process Conditions on Sugarcane Juice Powder Quality. <b>2015</b> , 68, 7509-7520	28
1711	Optimization of [Amim]Cl Pretreatment Conditions for Maximum Glucose Recovery from Hybrid <i>Pennisetum</i> by Response Surface Methodology. <b>2015</b> , 10,	6
1710	A dual response surface optimization methodology for achieving uniform coating thickness in powder coating process. <b>2015</b> , 6, 469-480	4
1709	Employing response surface methodology for the optimization of ultrasound assisted extraction of lutein and $\beta$ -carotene from spinach. <b>2015</b> , 20, 6611-25	46
1708	Characterization of Melanogenesis Inhibitory Constituents of <i>Morus alba</i> Leaves and Optimization of Extraction Conditions Using Response Surface Methodology. <b>2015</b> , 20, 8730-41	15
1707	Optimization of Ultrasonic-Assisted Extraction of Flavonoid Compounds and Antioxidants from Alfalfa Using Response Surface Method. <b>2015</b> , 20, 15550-71	38
1706	Optimizing stem cell functions and antibacterial properties of TiO <sub>2</sub> nanotubes incorporated with ZnO nanoparticles: experiments and modeling. <b>2015</b> , 10, 1997-2019	32
1705	Designed Amino Acid Feed in Improvement of Production and Quality Targets of a Therapeutic Monoclonal Antibody. <b>2015</b> , 10, e0140597	41
1704	Optimisation and Characterisation of Lipase-Catalysed Synthesis of a Kojic Monooleate Ester in a Solvent-Free System by Response Surface Methodology. <b>2015</b> , 10, e0144664	17
1703	Optimization of Gentsides Extraction from <i>Gentiana rigescens</i> Franch. ex Hemsl. by Response Surface Methodology. <b>2015</b> , 2015, 819067	4
1702	Nanosized Spinel Ferrites Synthesized by Sol-Gel Autocombustion for Optimized Removal of Azo Dye from Aqueous Solution. <b>2015</b> , 2015, 1-13	30



1701	A New Method Based on TOPSIS and Response Surface Method for MCDM Problems with Interval Numbers. <b>2015</b> , 2015, 1-11	16
1700	Using factorial design to increase the efficiency on a small-scale ethanol distillation. <b>2015</b> ,	
1699	Design of experiment approach for the process optimization of ultrasonic-assisted extraction of polysaccharide from mulberry leaves by response surface methodology. <b>2015</b> , 14, 1724-1730	
1698	Vectorial Crystal Growth of Oriented Vertically Aligned Carbon Nanotubes Using Statistical Analysis. <b>2015</b> , 15, 3457-3463	23
1697	Optimization of critical parameters during antioxidants extraction from butterhead lettuce to simultaneously enhance polyphenols and antioxidant activity. <b>2015</b> , 146, 47-54	30
1696	Response surface methodology for optimization of fermentation process parameters for improving apple wine quality. <b>2015</b> , 52, 7513-7518	10
1695	Multivariate optimization of phosphate removal and recovery from aqueous solution by struvite crystallization in a fluidized-bed reactor. <b>2015</b> , 55, 496-505	14
1694	Application of response surface methodology to evaluate the effect of dry-spinning parameters on poly (Ecaprolactone) fiber properties. <b>2015</b> , 132, n/a-n/a	2
1693	Quantification and profiling of lipophilic marine toxins in microalgae by UHPLC coupled to high-resolution orbitrap mass spectrometry. <b>2015</b> , 407, 6345-56	19
1692	Chemometric study on the electrochemical incineration of nitrilotriacetic acid using platinum and boron-doped diamond anode. <b>2015</b> , 130, 1-7	4
1691	Degradation of 5-FU by means of advanced (photo)oxidation processes: UV/H <sub>2</sub> O <sub>2</sub> , UV/Fe <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> and UV/TiO <sub>2</sub> --Comparison of transformation products, ready biodegradability and toxicity. <b>2015</b> , 527-528, 232-45	58
1690	Optimizing the recovery of copper from electroplating rinse bath solution by hollow fiber membrane. <b>2015</b> , 72, 52-62	3
1689	Immobilization of lipase on biocompatible co-polymer of polyvinyl alcohol and chitosan for synthesis of laurate compounds in supercritical carbon dioxide using response surface methodology. <b>2015</b> , 50, 1224-1236	41
1688	Central composite design approach towards optimization of flamboyant pods derived steam activated carbon for its use as heterogeneous catalyst in transesterification of Hevea brasiliensis oil. <b>2015</b> , 100, 277-287	82
1687	Bioprocess modelling of biohydrogen production by Rhodospseudomonas palustris: Model development and effects of operating conditions on hydrogen yield and glycerol conversion efficiency. <b>2015</b> , 130, 68-78	36
1686	Flame-in-gas-shield and miniature diffusion flame hydride atomizers for atomic fluorescence spectrometry: optimization and comparison. <b>2015</b> , 109, 16-23	18
1685	Process parameters optimization for area-forming rapid prototyping system. <b>2015</b> , 21, 70-78	2
1684	Spectrophotometric determination of the total flavonoid content in Ocimum basilicum L. (Lamiaceae) leaves. <b>2015</b> , 11, 96-101	58



1683	Development of response surface methodology for optimization of extraction parameters and quantitative estimation of embelin from <i>Embelia ribes</i> Burm by high performance liquid chromatography. <b>2015</b> , 11, S166-72	7
1682	Notice of Violation of IEEE Publication Principles: Numerical and experimental investigation of the hydrodynamics of flapping foil added in-line motion. <b>2015</b> ,	
1681	Optimization of silver-assisted nano-pillar etching process in silicon. <b>2015</b> , 357, 1863-1877	4
1680	Optimization of production conditions for synthesis of chemically activated carbon produced from pine cone using response surface methodology for CO <sub>2</sub> adsorption. <b>2015</b> , 5, 94115-94129	24
1679	Batch and continuous flow anodic oxidation of 2,4-dinitrophenol: Modeling, degradation pathway and toxicity. <b>2015</b> , 756, 108-117	35
1678	An insight into thermodynamics of adsorptive removal of fluoride by calcined CaAl <sub>2</sub> (NO <sub>3</sub> ) layered double hydroxide. <b>2015</b> , 5, 105889-105900	60
1677	Application of response surface methodology for the optimization of the production of electro-activated solutions in a three-cell reactor. <b>2015</b> , 8, 264-272	2
1676	Optimization of press temperature and time for binderless particleboard manufactured from oil palm trunk biomass at different thickness levels. <b>2015</b> , 3, 87-95	18
1675	Optimisation Of Process Parameters In High Energy Mixing As A Method Of Cohesive Powder Flowability Improvement. <b>2015</b> , 36, 449-460	3
1674	Optimizing and evaluating the operational factors affecting the cyanide leaching circuit of the Aghdareh gold processing plant using a CCD model. <b>2015</b> , 471, 20150681	7
1673	Optimization of Ultrasonic-Assisted Extraction of Daurisoline and Dauricine from <i>Menisperm</i> Rhizoma by Response Surface Methodology. <b>2015</b> , 38, 1561-1570	2
1672	Hybrid central composite design optimization for removal of Methylene blue by Acer tree leaves: characterization of adsorption. <b>2015</b> , 54, 2601-2610	8
1671	Optimization of Rougher Flotation Parameters of the Sarcheshmeh Copper Ore Using a Statistical Technique. <b>2015</b> , 36, 1066-1072	8
1670	Response Surface Methodology for Biobutanol Optimization Using Locally Isolated <i>Clostridium acetobutylicum</i> YM1. <b>2015</b> , 12, 1236-1243	4
1669	Multi-responses extraction optimization combined with high-performance liquid chromatography-diode array detection-electrospray ionization-tandem mass spectrometry and chemometrics techniques for the fingerprint analysis of <i>Aloe barbadensis</i> Miller. <b>2015</b> , 107, 131-40	27
1668	Enhanced extraction of bioactive natural products using tailor-made deep eutectic solvents: application to flavonoid extraction from <i>Flos sophorae</i> . <b>2015</b> , 17, 1718-1727	270
1667	Evaluation of sawdust hemicellulosic hydrolysate for bioproduction of xylitol by enzyme xylose reductase. <b>2015</b> , 94, 82-89	8
1666	Application of green seaweed biomass for Mo(VI) sorption from contaminated waters. Kinetic, thermodynamic and continuous sorption studies. <b>2015</b> , 446, 122-32	34

1665	Enhanced diesel fuel fraction from waste high-density polyethylene and heavy gas oil pyrolysis using factorial design methodology. <b>2015</b> , 36, 166-76	13
1664	How can chemometrics improve microfluidic research?. <b>2015</b> , 87, 3544-55	15
1663	RSM based optimized enzyme-assisted extraction of antioxidant phenolics from underutilized watermelon ( <i>Citrullus lanatus</i> Thunb.) rind. <b>2015</b> , 52, 5048-56	53
1662	Cross-linking kinetics of hyperbranched epoxy cured hyperbranched polyurethane and optimization of reaction conversion by central composite design. <b>2015</b> , 127, 230-238	14
1661	Assessing the combined effects from two kinds of cephalosporins on green alga ( <i>Chlorella pyrenoidosa</i> ) based on response surface methodology. <b>2015</b> , 78, 116-21	19
1660	Artificial neural network for modeling the size of silver nanoparticles prepared in montmorillonite/starch bionanocomposites. <b>2015</b> , 24, 42-50	31
1659	Extraction Optimization of Saffron Nutraceuticals Through Response Surface Methodology. <b>2015</b> , 8, 2273-2285	49
1658	Multi-response analysis in the processing of poly (methyl methacrylate) nano-fibres membrane by electrospinning based on response surface methodology: Fibre diameter and bead formation. <b>2015</b> , 65, 193-206	33
1657	Employing a Central Composite Rotatable Design to Define and Determine Significant Toxic Levels of Heavy Metals on <i>Shewanella putrefaciens</i> in Microbial Fuel Cell. <b>2015</b> , 40, 93-100	2
1656	Designing and optimization of separation process of iron impurities from kaolin by oxalic acid in bench-scale stirred-tank reactor. <b>2015</b> , 107, 109-116	28
1655	An economical and efficient technology for the extraction of resveratrol from peanut ( <i>Arachis hypogaea</i> ) sprouts by multi-stage countercurrent extraction. <b>2015</b> , 179, 15-25	24
1654	Decontamination of ofloxacin: optimization of removal process onto sawdust using response surface methodology. <b>2015</b> , 1-9	22
1653	Box-Behnken design optimization for the removal of Direct Violet 51 dye from aqueous solution using lignocellulosic waste. <b>2015</b> , 56, 2425-2437	14
1652	Design-of-experiment strategy for the production of mannanase biocatalysts using plum kernel cake and its application to degrade locust bean and guar gum. <b>2015</b> , 4, 229-234	15
1651	Determination of lead by atomic fluorescence spectrometry using an automated extraction/pre-concentration flow system. <b>2015</b> , 30, 1072-1079	31
1650	Optimization of high surface area activated carbon production from <i>Enteromorpha prolifera</i> with low-dose activating agent. <b>2015</b> , 132, 180-187	20
1649	Adsorption of uranium by amidoximated chitosan-grafted polyacrylonitrile, using response surface methodology. <b>2015</b> , 121, 79-85	90
1648	Optimization of rice husk pretreatment for energy production. <b>2015</b> , 77, 512-520	55

1647	Optimization of the antimicrobial activity of nisin, Na-EDTA and pH against gram-negative and gram-positive bacteria. <b>2015</b> , 61, 124-129	45
1646	Optimization of operating parameters for photocatalytic degradation of tetracycline using In2S3 under natural solar radiation. <b>2015</b> , 113, 34-42	64
1645	Application of Quality by Design for the Optimization of an HPLC Method to Determine Ezetimibe in a Supersaturable Self-Nanoemulsifying Formulation. <b>2015</b> , 38, 874-885	6
1644	Analysis of bioactive constituents of saffron using ultrasonic assisted emulsification microextraction combined with high-performance liquid chromatography with diode array detector: a chemometric study. <b>2015</b> , 5, 26246-26254	12
1643	Factors affecting viability of Bifidobacterium bifidum during spray drying. <b>2015</b> , 23, 7	18
1642	Enhanced biosynthesis of plasmid DNA from Escherichia coli VH33 using Boxâ€Behnken design associated to aromatic amino acids pathway. <b>2015</b> , 98, 117-126	7
1641	Application of Response Surface Methodology for the Optimization of Ultrasound-Assisted Extraction of Pomegranate (Punica granatum L.) Seed Oil. <b>2015</b> , 8, 2392-2400	17
1640	Optimization of ultrasonic extraction by response surface methodology combined with ultrafast liquid chromatography-ultraviolet method for determination of four iridoids in Gentiana rigescens. <b>2015</b> , 23, 529-537	16
1639	Application of response surface methodology for the optimization of lead removal from contaminated soil using chelants. <b>2015</b> , 5, 58010-58018	22
1638	Activation and enhancement of Fredericamycin A production in deepsea-derived Streptomyces somaliensis SCSIO ZH66 by using ribosome engineering and response surface methodology. <b>2015</b> , 14, 64	27
1637	Optimization of the bioactive compounds content in raspberry during freeze-drying using response surface method. <b>2015</b> , 21, 53-61	3
1636	Experimental design, modeling and optimization of polyplex formation between DNA oligonucleotides and branched polyethylenimine. <b>2015</b> , 13, 9445-56	8
1635	Optimization of catalytic activity of sulfated titania for efficient synthesis of isoamyl acetate by response surface methodology. <b>2015</b> , 146, 1949-1957	9
1634	Multiple responses optimization of ultrasonic-assisted extraction by response surface methodology (RSM) for rapid analysis of bioactive compounds in the flower head of Chrysanthemum morifolium Ramat.. <b>2015</b> , 74, 192-199	54
1633	Ultrasonic mediated production of carboxymethyl cellulose: Optimization of conditions using response surface methodology. <b>2015</b> , 134, 278-84	16
1632	Recovery of titanium and vanadium from titaniumâ€vanadium slag obtained by direct reduction of titanomagnetite concentrates. <b>2015</b> , 1	7
1631	A portable multi-syringe flow system for spectrofluorimetric determination of iodide in seawater. <i>Talanta</i> , <b>2015</b> , 144, 1155-62	6.2 22
1630	Experimental Design Optimization of the Determination of Total Halogens in Coal by Combustionâ€In Chromatography. <b>2015</b> , 48, 2597-2612	5

1629	Optimization of magnetic extraction by experimental design methodology for the determination of antidepressants in biological samples. <b>2015</b> , 7, 6231-6242	8
1628	Predicting the axial capacity of piles in sand. <b>2015</b> , 69, 485-495	8
1627	Preparation of cationized pine sawdust for nitrate removal: Optimization of reaction conditions. <b>2015</b> , 160, 105-12	11
1626	Simple Response Surface Methodology: Investigation on Advance Photocatalytic Oxidation of 4-Chlorophenoxyacetic Acid Using UV-Active ZnO Photocatalyst. <b>2015</b> , 8, 339-354	44
1625	Extraction techniques for analysis of aroma compounds. <b>2015</b> , 31-46	6
1624	Optimization of hydrolysis condition of blood meal by <i>Bacillus subtilis</i> with response surface methodology. <b>2015</b> , 104, 112-117	14
1623	Kriging based iterative parameter estimation procedure for biotechnology applications with nonlinear trend functions. <b>2015</b> , 48, 574-579	1
1622	Adsorption behavior of a computer-aid designed magnetic molecularly imprinted polymer via response surface methodology. <b>2015</b> , 5, 61161-61169	12
1621	Optimization of pin through hole connector in thermal fluid-structure interaction analysis of wave soldering process using response surface methodology. <b>2015</b> , 57, 45-57	10
1620	The use of statistical software in food science and technology: Advantages, limitations and misuses. <b>2015</b> , 75, 270-280	101
1619	RSM base study of the effect of deposition temperature and hydrogen flow on the wear behavior of DLC films. <b>2015</b> , 91, 23-31	14
1618	Optimization of Fermentation Conditions for Recombinant Human Interferon Beta Production by <i>Escherichia coli</i> Using the Response Surface Methodology. <b>2015</b> , 8, e16236	24
1617	Emulsion flooding for enhanced oil recovery: Interactive optimization of phase behavior, microvisual and core-flood experiments. <b>2015</b> , 29, 382-391	75
1616	Simultaneous sonosynthesis and sonofabrication of N-doped ZnO/TiO <sub>2</sub> core-shell nanocomposite on wool fabric: Introducing various properties specially nano photo bleaching. <b>2015</b> , 27, 10-21	32
1615	Pancreatic lipase inhibitory constituents from <i>Morus alba</i> leaves and optimization for extraction conditions. <b>2015</b> , 25, 2269-74	29
1614	Enzymatic Production of Bioxylitol from Sawdust Hydrolysate: Screening of Process Parameters. <b>2015</b> , 176, 1071-83	15
1613	Development, optimization and evaluation of emodin loaded nanoemulsion prepared by ultrasonic emulsification. <b>2015</b> , 27, 46-55	27
1612	Optimization of the canola oil based vitamin E nanoemulsions stabilized by food grade mixed surfactants using response surface methodology. <b>2015</b> , 183, 1-7	53

1611	Synthesis of biodiesel from castor oil: Silent versus sonicated methylation and energy studies. <b>2015</b> , 96, 561-567	26
1610	Degradation of bromoamine acid by BDD technology â Use of Doehlert design for optimizing the reaction conditions. <b>2015</b> , 146, 15-23	5
1609	CAD based design sensitivity analysis and shape optimization of scaffolds for bio-root regeneration in swine. <b>2015</b> , 57, 59-72	30
1608	Multivariate optimization of ultrasound-assisted extraction for determination of Cu, Fe, Ni and Zn in vegetable oils by high-resolution continuum source atomic absorption spectrometry. <b>2015</b> , 185, 145-50	76
1607	Influence of crude extract and bioactive fractions of <i>Ilex paraguariensis</i> A. St. Hil. (yerba mate) on the Wistar rat lipid metabolism. <b>2015</b> , 15, 440-451	19
1606	Artificial neural network prediction of multilinear gradient retention in reversed-phase HPLC: comprehensive QSRR-based models combining categorical or structural solute descriptors and gradient profile parameters. <b>2015</b> , 407, 1181-90	25
1605	Predictive models for water sources with high susceptibility for bromine-containing disinfection by-product formation: implications for water treatment. <b>2015</b> , 22, 1963-78	12
1604	Photocatalytic degradation of 2,4-dichlorophenol over Fe-ZnO catalyst under visible light. <b>2015</b> , 32, 1578-1585	3
1603	Optimal Removal of Cadmium from Heavily Contaminated SalineâBodic Soil Using Integrated Electrokinetic-Adsorption Technique. <b>2015</b> , 40, 1289-1297	14
1602	Nickel ion coupled counter complexation and decomplexation through a modified supported liquid membrane system. <b>2015</b> , 5, 38424-38434	14
1601	Optimization of Ozonation Process for a Composting Leachate-Contaminated Soils Treatment Using Response Surface Method. <b>2015</b> , 37, 279-286	7
1600	Adsorptive removal of direct dyes by PEI-treated peanut husk biomass: BoxâBehnken experimental design. <b>2015</b> , 31, 252-264	21
1599	Ultrasound extraction of phenolics and anthocyanins from jabuticaba peel. <b>2015</b> , 69, 400-407	102
1598	Multiple responses optimization in the development of a headspace gas chromatography method for the determination of residual solvents in pharmaceuticals. <b>2015</b> , 5, 296-306	16
1597	Experimental Design for the Optimization of the Synthesis Conditions of Zn-Al-Layered Double Hydroxides Nanoparticles Based on X-ray Diffraction Data. <b>2015</b> , 608, 177-189	2
1596	Supercritical carbon dioxide extraction of glycyrrhizic acid from licorice plant root using binary entrainer: Experimental optimization via response surface methodology. <b>2015</b> , 100, 209-217	37
1595	Optimization of flat sheet hydrophobic membranes synthesis via supercritical CO <sub>2</sub> induced phase inversion for direct contact membrane distillation by using response surface methodology (RSM). <b>2015</b> , 103, 105-114	15
1594	Effective Method To Determine Supersaturation of Tar Balls Deposited along the Caspian Sea. <b>2015</b> , 29, 2931-2939	4

1593	Modulation of Pharmacokinetic and Cytotoxicity Profile of Imatinib Base by Employing Optimized Nanostructured Lipid Carriers. <b>2015</b> , 32, 2912-27	32
1592	Optimization of the processing technology of Fructus Arctii by response surface methodology. <b>2015</b> , 13, 222-31	2
1591	Microwave-Assisted Extraction of Wax from Oily Sludge: An Experimental Study and its Process Variables Optimization Using Response Surface Methodology. <b>2015</b> , 24, 588-607	2
1590	Investigating the effect of roasting on functional properties of defatted hazelnut flour by response surface methodology (RSM). <b>2015</b> , 63, 758-765	21
1589	Modeling and optimization of acetic acid fermentation: A polynomial-based approach. <b>2015</b> , 99, 35-43	6
1588	Experimental design for modelling and multi-response optimization of Fe-Ni electroplating process. <b>2015</b> , 96, 138-149	15
1587	Development and Optimization of Biometal Nanoparticles by Using Mathematical Methodology: A Microbial Approach. <b>2015</b> , 30, 106-115	30
1586	Analysis of the cyanobacterial hydrogen photoproduction process via model identification and process simulation. <b>2015</b> , 128, 130-146	21
1585	Effect of water quality parameters on solar water disinfection: a statistical experiment design approach. <b>2015</b> , 56, 315-326	2
1584	Response surface methodology toward the optimization of high-energy carotenoid extraction from <i>Aristeus antennatus</i> shrimp. <b>2015</b> , 877, 100-10	33
1583	Seasonal and spatial evolution of trihalomethanes in a drinking water distribution system according to the treatment process. <b>2015</b> , 187, 662	16
1582	Magnetic Solid Phase Extraction Coupled with HPLC Towards Removal of Pigments and Impurities from Leaf-derived Paclitaxel Extractions of <i>Taxus baccata</i> and Optimization via Response Surface Methodology. <b>2015</b> , 78, 1143-1157	12
1581	Effect of biochar artificial ageing on Cd and Cu sorption characteristics. <b>2015</b> , 159, 178-184	26
1580	A comparative study on extraction processes of <i>Stevia rebaudiana</i> leaves with emphasis on antioxidant, cytotoxic and nitric oxide inhibition activities. <b>2015</b> , 77, 961-971	29
1579	Mapping explosive residues on galvanized pipe bomb fragments using total vaporization solid phase microextraction (TV-SPME). <b>2015</b> , 7, 9756-9762	8
1578	Optimisation of temperature-programmed gas chromatographic separation of organochloride pesticides by response surface methodology. <b>2015</b> , 1423, 149-57	7
1577	Ultrasound bath-assisted extraction of essential oils from clove using central composite design. <b>2015</b> , 77, 954-960	65
1576	Highly efficient extraction of anthocyanins from grape skin using deep eutectic solvents as green and tunable media. <b>2015</b> , 38, 2143-52	75

1575	Synthesis of modified maghemite nanoparticles and its application for removal of Acridine Orange from aqueous solutions by using Box-Behnken design. <b>2015</b> , 396, 318-326	38
1574	Optimal design of experiments applied to headspace solid phase microextraction for the quantification of vicinal diketones in beer through gas chromatography-mass spectrometric detection. <b>2015</b> , 887, 101-110	17
1573	Biochar: a new promising catalyst support using methanation as a probe reaction. <b>2015</b> , 3, 126-134	58
1572	Preparation and characterization of iron-cobalt composite microcapsules. <b>2015</b> , 653, 570-576	2
1571	Magnetic nanoparticle based dispersive micro-solid-phase extraction for the determination of malachite green in water samples: optimized experimental design. <b>2015</b> , 39, 9813-9823	132
1570	Effect of formation pH, molar ratio and calcination temperature on the synthesis of an anionic clay based adsorbent targeting defluoridation. <b>2015</b> , 116-117, 120-128	23
1569	Concentration Prediction of Total Flavonoids in Aurantii Fructus Extraction Process: Locally Weighted Regression versus Kinetic Model Equation Based on Fick's Law. <b>2015</b> , 7, 69-74	
1568	Peroxynitrite and nitric oxide fluorescence sensing by ethylenediamine doped carbon dots. <b>2015</b> , 220, 1043-1049	24
1567	Rational and precise development of amorphous polymeric systems with dapsone by response surface methodology. <b>2015</b> , 81, 662-71	12
1566	Simultaneous extraction, optimization, and analysis of flavonoids and polyphenols from peach and pumpkin extracts using a TLC-densitometric method. <b>2015</b> , 9, 39	38
1565	Modeling and optimization of the flocculation processes for removal of cationic and anionic dyes from water by an amphoteric grafting chitosan-based flocculant using response surface methodology. <b>2015</b> , 22, 13038-48	23
1564	Optimization of Production of Lignocellulosic Biomass Bio-oil from Oil Palm Trunk. <b>2015</b> , 28, 769-777	7
1563	Polymer/clay nanocomposite films as active packaging material: Modeling of antimicrobial release. <b>2015</b> , 71, 461-475	40
1562	Tailoring and recycling of deep eutectic solvents as sustainable and efficient extraction media. <b>2015</b> , 1424, 10-7	104
1561	Applications of Experimental Design to the Optimization of Microextraction Sample Preparation Parameters for the Analysis of Pesticide Residues in Fruits and Vegetables. <b>2015</b> , 98, 1171-85	8
1560	Identification and characterization of a Bacillus methylotrophicus strain with high flocculating activity. <b>2015</b> , 5, 91766-91775	1
1559	Impacts of ionic liquids on enzymatic synthesis of glucose laurate and optimization with superior productivity by response surface methodology. <b>2015</b> , 50, 1852-1858	23
1558	Optimization of reaction conditions for the electroleaching of manganese from low-grade pyrolusite. <b>2015</b> , 22, 1121-1130	11



1557	A Rapid and Sensitive Method for Semicarbazide Screening in Foodstuffs by HPLC with Fluorescence Detection. <b>2015</b> , 8, 1804-1811	17
1556	A novel polythiophene - ionic liquid modified clay composite solid phase microextraction fiber: Preparation, characterization and application to pesticide analysis. <b>2015</b> , 859, 37-45	39
1555	Optimization and validation of a multiresidue method for pesticide determination in maize using gas chromatography coupled to tandem mass spectrometry. <b>2015</b> , 7, 359-365	17
1554	Development, optimization, and validation of a novel extraction procedure for the removal of opiates from human hair's surface. <b>2015</b> , 7, 385-92	7
1553	Preparation and application of magnetic graphene oxide coated with a modified chitosan pH-sensitive hydrogel: an efficient biocompatible adsorbent for catechin. <b>2015</b> , 5, 9396-9404	35
1552	Optimization by Response Surface Methodology (RSM) of the Kharasch-Bosnovsky Oxidation of Valencene. <b>2015</b> , 19, 1662-1666	10
1551	Doehlert design as optimization approach for the removal of Pb(II) from aqueous solution by Catalpa Speciosa tree leaves: adsorption characterization. <b>2015</b> , 53, 430-445	19
1550	Experimental design and machine learning strategies for parameters screening and optimization of Hantzsch condensation reaction for the assay of sodium alendronate in oral solution. <b>2015</b> , 5, 6385-6394	17
1549	Optimization of fermentation parameters to study the behavior of selected lactic cultures on soy solid state fermentation. <b>2015</b> , 196, 16-23	18
1548	Effects of sugar, starch and HPMC concentrations on textural properties of reduced-sugar sponge cakes. <b>2015</b> , 52, 444-450	7
1547	Bio-based substances from urban waste as auxiliaries for solar photo-Fenton treatment under mild conditions: Optimization of operational variables. <b>2015</b> , 240, 39-45	32
1546	A statistical experimental design approach to evaluate the influence of various penetration enhancers on transdermal drug delivery of buprenorphine. <b>2015</b> , 6, 155-62	14
1545	Improvement of Oxygen Release from Calcium Peroxide-polyvinyl Alcohol Beads by Adding Low-cost Bamboo Biochar and Its Application in Bioremediation. <b>2015</b> , 43, 287-295	20
1544	Optimization of methionol bioproduction by <i>Saccharomyces cerevisiae</i> using response surface methodology. <b>2015</b> , 65, 197-205	2
1543	Preparation of porous carbon from date palm seeds and process optimization. <b>2015</b> , 12, 959-966	9
1542	Optimization of the extraction of total flavonoids from <i>Scutellaria baicalensis</i> Georgi using the response surface methodology. <b>2015</b> , 52, 2336-43	14
1541	Employing Response Surface Methodology for Optimization of Mercury Bioremediation by <i>Vibrio parahaemolyticus</i> PG02 in Coastal Sediments of Bushehr, Iran. <b>2015</b> , 43, 118-126	28
1540	The reuse of water treatment sludge as a coagulant for post-treatment of UASB reactor treating urban wastewater. <b>2015</b> , 96, 272-281	77



1539	H <sub>2</sub> production by sorption enhanced steam reforming of biomass-derived bio-oil in a fluidized bed reactor: An assessment of the effect of operation variables using response surface methodology. <b>2015</b> , 242, 19-34	40
1538	Determination of biogenic amines in Persian Gulf fish: application of stirrer bead milling extraction method. <b>2015</b> , 9, 86-94	4
1537	Modeling and optimization of ultrasound-assisted extraction of polyphenolic compounds from <i>Aronia melanocarpa</i> by-products from filter-tea factory. <b>2015</b> , 23, 360-8	119
1536	Optimization study of binary metal oxides catalyzed transesterification system for biodiesel production. <b>2015</b> , 94, 430-440	31
1535	Development of a portable setup and a multicommuted flow analysis procedure for the photometric determination of Fe(III) and Fe(II) in fresh water. <b>2015</b> , 207, 811-818	25
1534	Application of high-temperature Fenton oxidation for the treatment of sulfonation plant wastewater. <b>2015</b> , 90, 1839-1846	16
1533	Expression and purification of the trypsin inhibitor from tartary buckwheat in <i>Pichia pastoris</i> and its novel toxic effect on <i>Mamestra brassicae</i> larvae. <b>2015</b> , 42, 209-16	6
1532	Synthesis of biocompatible and highly photoluminescent nitrogen doped carbon dots from lime: analytical applications and optimization using response surface methodology. <b>2015</b> , 47, 325-32	87
1531	Optimization of biomass production of <i>Chlorella vulgaris</i> grown in desalination concentrate. <b>2015</b> , 27, 1473-1483	25
1530	Uptake and transport of insulin across intestinal membrane model using trimethyl chitosan coated insulin niosomes. <b>2015</b> , 46, 333-40	71
1529	Multivariate optimization of dual-bed solid phase extraction for preconcentration of Ag, Al, As and Cr in gasoline prior to inductively coupled plasma optical emission spectrometric determination. <b>2015</b> , 139, 285-291	29
1528	Modified chitosan as an economical support for hematin: application in the decolorization of anthraquinone and azo dyes. <b>2015</b> , 90, 1665-1676	3
1527	Optimizing the Preparation Conditions for Shea Butter Nanoemulsions via Response Surface Methodology. <b>2015</b> , 36, 983-990	3
1526	MODELING USING RESPONSE SURFACE METHODOLOGY AND OPTIMIZATION USING DIFFERENTIAL EVOLUTION OF REACTIVE EXTRACTION OF GLYCOLIC ACID. <b>2015</b> , 202, 59-69	17
1525	Decolorization of Reactive Black 5 by persulfate oxidation activated by ferrous ion and its optimization. <b>2015</b> , 56, 121-135	7
1524	Response Surface Optimization of Ethanolic Extraction of Antioxidants from Artichoke Leaves. <b>2015</b> , 39, 1036-1044	6
1523	Properties and extraction of pectin-enriched materials from sugar beet pulp by ultrasonic-assisted treatment combined with subcritical water. <b>2015</b> , 168, 302-10	109
1522	Development of a FI-HG-ICP-OES solid phase preconcentration system for inorganic selenium speciation in Argentinean beverages. <b>2015</b> , 169, 73-9	25

1521	Detection of GM soybean by multiplex-touchdown PCR-microchip capillary electrophoresis with response surface methodology optimization. <b>2015</b> , 53, 345-52		1
1520	Application of Box-Behnken Design to Hybrid Electrokinetic-Adsorption Removal of Mercury from Contaminated Saline-Sodic Clay Soil. <b>2015</b> , 24, 30-48		17
1519	Chemometric optimization of the robustness of the near infrared spectroscopic method in wheat quality control. <i>Talanta</i> , <b>2015</b> , 131, 236-42	6.2	5
1518	Nanocapsules of $\beta$ -carotene: Thermal degradation kinetics in a scraped surface heat exchanger (SSHE). <b>2015</b> , 60, 124-130		17
1517	The encapsulation of flavourzyme in nanoliposome by heating method. <b>2015</b> , 52, 2063-72		24
1516	A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture. <b>2015</b> , 12, 1799-1810		20
1515	Simultaneous removal of binary mixture of Brilliant Green and Crystal Violet using derivative spectrophotometric determination, multivariate optimization and adsorption characterization of dyes on surfactant modified nano-alumina. <b>2015</b> , 137, 1016-28		70
1514	A chemometric study: Automated flow injection analysis method for the quantitative determination of humic acid in lignite. <b>2016</b> , 9, 713-720		8
1513	. <b>2016</b> , 16,		1
1512	Recovery of Natural Antioxidants from Fruit Juice Industry Residuals by Ultrasound-Assisted Extraction and Response Surface Methodology. <b>2016</b> , 45, 163-174		1
1511	Optimization for Ultrasonic- and Microwave-assisted Extraction of Flavonoids from Burdock ( <i>Arctium lappa</i> L.) Root by Response Surface Methodology. <b>2016</b> , 10, 705-711		
1510	A New Approach to Modeling Operational Conditions for Mitigating Fouling in Membrane Bioreactor. <b>2016</b> , 88, 2198-2208		1
1509	QUALITY BY DESIGN-BASED OPTIMIZATION AND VALIDATION OF NEW REVERSE PHASE-HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY METHOD FOR SIMULTANEOUS ESTIMATION OF LEVOFLOXACIN HEMIHYDRATE AND AMBROXOL HYDROCHLORIDE IN BULK AND ITS PHARMACEUTICAL DOSAGE FORM. <b>2016</b> , 9, 190		2
1508	Systematic optimization of chemical deposition conditions for synthesis of vanadium(V) oxide xerogels. <b>2016</b> , 40, 136-146		1
1507	Optimization of Biobutanol Production from Poplar Wood Hydrolysate using a Mutant of <i>Clostridium saccharobutylicum</i> . <b>2016</b> , 11,		
1506	Effect of Extraction Conditions of Green Tea on Antioxidant Activity and EGCG Content: Optimization using Response Surface Methodology. <b>2016</b> , 22, 270		4
1505	Design and Optimization of Sulfuric Acid Pretreatment of Extracted Olive Tree Biomass Using Response Surface Methodology. <b>2016</b> , 12,		31
1504	Plant growth regulators optimization for maximize shoots number in <i>Agave americana</i> L. by indirect organogenesis. <b>2016</b> , 73, 124-131		5

1503	Formulation and Optimization of Carbamazepine Microspheres by 2 Factor 2 Level Central Composite Design. <b>2016</b> , 19, 152-160	2
1502	Evaluation of Parameters Affecting Magnetic Abrasive Finishing on Concave Freeform Surface of Al Alloy via RSM Method. <b>2016</b> , 2016, 1-14	9
1501	Evaluation of optimum conditions for pachyman encapsulated in poly(d,l-lactic acid) nanospheres by response surface methodology and results of a related in vitro study. <b>2016</b> , 11, 4891-4904	12
1500	A Novel Xylan-Polyvinyl Alcohol Hydrogel Bead with Laccase Entrapment for Decolorization of Reactive Black 5. <b>2016</b> , 11,	10
1499	Development of an Ionic Liquid-Based Ultrasonic/Microwave-Assisted Simultaneous Distillation and Extraction Method for Separation of Camptothecin, 10-Hydroxycamptothecin, Vincoside-Lactam, and Essential Oils from the Fruits of <i>Camptotheca acuminata</i> Decne. <b>2016</b> , 6, 293	5
1498	Polyamide Microparticles Containing Vitamin C by Interfacial Polymerization: An Approach by Design of Experimentation. <b>2016</b> , 3, 38	6
1497	Microemulsion Electrokinetic Chromatography in Combination with Chemometric Methods to Evaluate the Holistic Quality Consistency and Predict the Antioxidant Activity of <i>Ixeris sonchifolia</i> (Bunge) Hance Injection. <b>2016</b> , 11, e0157601	12
1496	Development of an ultra high performance liquid chromatography method for determining triamcinolone acetonide in hydrogels using the design of experiments/design space strategy in combination with process capability index. <b>2016</b> , 39, 2689-701	9
1495	RETRACTED: Factors controlling magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by chemical co-precipitation: Modeling and optimization using response surface methodology. <b>2016</b> , 42, 15818-15825	8
1494	Optimization of microwave-assisted extraction (MAE) of coriander phenolic antioxidants'-response surface methodology approach. <b>2016</b> , 96, 4613-22	20
1493	Enantioselective extraction of phenylsuccinic acid in aqueous two-phase systems based on acetone and $\beta$ -cyclodextrin derivative: Modeling and optimization through response surface methodology. <b>2016</b> , 1467, 490-496	6
1492	Ultra-high performance liquid chromatographic determination of levofloxacin in human plasma and prostate tissue with use of experimental design optimization procedures. <b>2016</b> , 1029-1030, 48-59	30
1491	Removal of Nitroaniline From Water/Ethanol by Electrocoagulation Using Response Surface Methodology. <b>2016</b> , 44, 430-437	4
1490	Novel Cross-linked Superfine Alginate-Based Nanofibers: Fabrication, Characterization, and Their Use in the Adsorption of Cationic and Anionic Dyes. <b>2016</b> , 35, 428-438	10
1489	Purification of bioxylitol by liquid-liquid extraction from enzymatic reaction mixture. <b>2016</b> , 51, 2369-2377	8
1488	Optimization and maximization of hexavalent molybdenum reduction to Mo-blue by <i>Serratia</i> sp. strain MIE2 using response surface methodology. <b>2016</b> , 27, 697-709	6
1487	Optimization of permeate flux produced by solar energy driven membrane distillation process using central composite design approach. <b>2016</b> , 74, 87-98	9
1486	Optimization of Ultrasonic-Assisted Extraction of Quercetin and Cyanidin from <i>Pyracantha Coccinea</i> and Their Scavenging Effect on Free Radicals. <b>2016</b> , 40, 472-479	1

- 1485 Combined effect of injection timing and exhaust gas recirculation (EGR) on performance and emissions of a DI diesel engine fuelled with next-generation advanced biofuel & diesel blends using response surface methodology. **2016**, 123, 470-486 87
- 1484 Two-step statistical optimization for cold active  $\alpha$ -glucosidase production from *Pseudomonas lutea* BG8 and its application for improving saccharification of paddy straw. **2016**, 63, 659-668 11
- 1483 Optimization of microwave-assisted extraction and pressurized liquid extraction of phenolic compounds from *Moringa oleifera* leaves by multiresponse surface methodology. **2016**, 37, 1938-46 53
- 1482 Facile one pot synthesis of zinc oxide nanorods and statistical evaluation for photocatalytic degradation of a diazo dye. **2016**, 74, 698-713 6
- 1481 Optimization of Electrospray Ionization by Statistical Design of Experiments and Response Surface Methodology: Protein-Ligand Equilibrium Dissociation Constant Determinations. **2016**, 27, 1520-30 17
- 1480 Application of response surface methodology (RSM) for the removal of methylene blue dye from water by nano zero-valent iron (NZVI). **2016**, 74, 343-52 17
- 1479 Optimization of simultaneous production of waste cooking oil based-biodiesel using iron-manganese doped zirconia-supported molybdenum oxide nanoparticles catalyst. **2016**, 8, 033101 8
- 1478 Application of central composite design and artificial neural network in modeling of reactive blue 21 dye removal by photo-ozonation process. **2016**, 74, 184-93 8
- 1477 Optimization of the synthesis process of an iron oxide nanocatalyst supported on activated carbon for the inactivation of *Ascaris* eggs in water using the heterogeneous Fenton-like reaction. **2016**, 73, 1000-9 5
- 1476 Electrocoagulation and nanofiltration integrated process application in purification of bilge water using response surface methodology. **2016**, 74, 564-79 22
- 1475 Optimization of extraction parameters of PTP1 $\alpha$  (protein tyrosine phosphatase 1 $\alpha$ ) inhibitory polyphenols, and anthocyanins from *Zea mays* L. using response surface methodology (RSM). **2016**, 16, 317 8
- 1474 The effect of temperature and methanol-water mixture on pressurized hot water extraction (PHWE) of anti-HIV analogues from *Bidens pilosa*. **2016**, 10, 37 9
- 1473 Comparative Study Between Response Surface Methodology and Artificial Neural Network for Adsorption of Crystal Violet on Magnetic Activated Carbon. **2016**, 41, 2611-2621 21
- 1472 In Situ Photo Sonosynthesis of Organic/Inorganic Nanocomposites on Wool Fabric Introducing Multifunctional Properties. **2016**, 92, 76-86 10
- 1471 Effect of photo-Fenton reaction on physicochemical parameters in white wine and its influence on ochratoxin A contents using response surface methodology. **2016**, 242, 91-106 6
- 1470 Extraction of phenolic compounds from sour cherry pomace with supercritical carbon dioxide: Impact of process parameters on the composition and antioxidant properties of extracts. **2016**, 1-8 6
- 1469 Optimization of Fiber Laser Welding of DP980 Steels Using RSM to Improve Weld Properties for Formability. **2016**, 25, 2462-2477 17
- 1468 By-product of honeybush (*Cyclopia maculata*) tea processing as source of hesperidin-enriched nutraceutical extract. **2016**, 87, 132-141 13

1467	Speciation and determination of Cr(III) and Cr(VI) by directly suspended droplet microextraction coupled with flame atomic absorption spectrometry: an application of central composite design strategy as an experimental design tool. <b>2016</b> , 8, 5070-5078	9
1466	Statistical optimization of enzymatic saccharification of acid pretreated <i>Parthenium hysterophorus</i> biomass using response surface methodology. <b>2016</b> , 7, 501-509	8
1465	A review of multivariate designs applied to the optimization of methods based on inductively coupled plasma optical emission spectrometry (ICP OES). <b>2016</b> , 128, 331-346	60
1464	Optimisation of recovery protocols for double-base smokeless powder residues analysed by total vaporisation (TV) SPME/GC-MS. <i>Talanta</i> , <b>2016</b> , 158, 368-374	6.2 11
1463	Extraction of alginate from <i>Sargassum muticum</i> : process optimization and study of its functional activities. <b>2016</b> , 28, 3625-3634	31
1462	Development of probiotic tablet using alginate, pectin, and cellulose nanocrystals as excipients. <b>2016</b> , 23, 1967-1978	20
1461	Optimisation of bioflocculant production by a biofilm forming microorganism from poultry slaughterhouse wastewater for use in poultry wastewater treatment. <b>2016</b> , 73, 1963-8	13
1460	Efficient enzymatic preparation of esculentoside B following condition optimization by response surface methodology. <b>2016</b> , 130, 25-31	7
1459	Oxidation of AOX and organic compounds in pharmaceutical wastewater in RSM-optimized-Fenton system. <b>2016</b> , 155, 217-224	41
1458	Anti-inflammatory activity of polysaccharide from <i>Schizophyllum commune</i> as affected by ultrasonication. <b>2016</b> , 91, 100-5	42
1457	Optimization of ultrasound, vanillin and pomegranate extract treatment for shelf-stable unpasteurized strawberry juice. <b>2016</b> , 72, 475-484	29
1456	Optimization and kinetic studies of photodegradation of Rhodamine B with immobilized Ag-, S-, and N-doped TiO <sub>2</sub> under visible irradiation: using Box-Behnken designs (BBDs), multivariate curve resolution (MCR-ALS) and parallel factor (PARAFAC) analysis. <b>2016</b> , 8, 4293-4299	8
1455	Bio-recovery of non-essential heavy metals by intra- and extracellular mechanisms in free-living microorganisms. <b>2016</b> , 34, 859-873	70
1454	Utilization of co-existing iron in arsenic removal from groundwater by oxidation-coagulation at optimized pH. <b>2016</b> , 4, 2683-2691	30
1453	Statistical design of experiments for optimization of arsenate reductase production by <i>Kocuria palustris</i> (RJB-6) and immobilization parameters in polymer beads. <b>2016</b> , 6, 49289-49297	8
1452	Response surface modeling and optimization of direct contact membrane distillation for water desalination. <b>2016</b> , 394, 108-122	38
1451	Influence of thermosonication on <i>Geobacillus stearothermophilus</i> inactivation in skim milk. <b>2016</b> , 61, 10-17	25
1450	Optimised microwave-assisted biosynthesis of silver nanoparticles from <i>Nothapodytes foetida</i> leaf extracts and its anti-microbial activities. <b>2016</b> , 11, 840-852	1

1449	Application of activated carbon produced from phosphoric acid-based chemical activation of oil fly ash for the removal of some charged aqueous phase dyes: role of surface charge, adsorption kinetics, and modeling. <b>2016</b> , 57, 16034-16052	9
1448	A novel approach for modeling and optimization of surfactant/polymer flooding based on Genetic Programming evolutionary algorithm. <b>2016</b> , 179, 289-298	22
1447	New insight into adsorption characteristics and mechanisms of the biosorbent from waste activated sludge for heavy metals. <b>2016</b> , 45, 248-56	41
1446	Chemical characterization of polyphenols and volatile fraction of coriander ( <i>Coriandrum sativum</i> L.) extracts obtained by subcritical water extraction. <b>2016</b> , 87, 54-63	36
1445	Optimisation by response surface methodology of microextraction by packed sorbent of non steroidal anti-inflammatory drugs and ultra-high performance liquid chromatography analysis of dialyzed samples. <b>2016</b> , 125, 114-21	25
1444	Optimization, modeling and characterization of sol-gel process parameters for the synthesis of nanostructured boron doped alumina catalyst supports. <b>2016</b> , 229, 134-144	9
1443	Development of an Adaptive Experimental Design Method Based on Probability of Achieving a Target Range through Parallel Experiments. <b>2016</b> , 55, 5726-5735	2
1442	General optimization strategy of simulated moving bed units through design of experiments and response surface methodologies. <b>2016</b> , 90, 161-170	21
1441	Optimizing the dehydrogenation catalyst of higher normal paraffins supported on a nanocrystalline gamma alumina. <b>2016</b> , 6, 5982-5991	2
1440	Synthetic lepidocrocite for phosphorous removal from reclaimed water: optimization using convex optimization method and successive adsorption in fixed bed column. <b>2016</b> , 37, 2750-9	4
1439	The effect of various designs of six-curved blade impellers on reaction rate analysis in liquid-liquid mixing vessel. <b>2016</b> , 91, 440-450	6
1438	Application of design of experiments for formulation development and mechanistic evaluation of iontophoretic tacrine hydrochloride delivery. <b>2016</b> , 42, 1894-902	8
1437	Characterization of gelatin/cellulose acetate nanofibrous scaffolds: Prediction and optimization by response surface methodology and artificial neural networks. <b>2016</b> , 58, 399-408	16
1436	Optimization of growth determinants of a potent cellulolytic bacterium isolated from lignocellulosic biomass for enhancing biogas production. <b>2016</b> , 18, 1565-1583	12
1435	Chemometric approach to the optimisation of LC-FL and GC-MS methods for the determination of nitrite and nitrate in some biological, food and environmental samples. <b>2016</b> , 96, 636-652	4
1434	Multivariate optimization of a capillary zone electrophoresis assay method for simultaneous quantification of metformin and vildagliptin from a formulation. <b>2016</b> , 39, 401-407	8
1433	U(VI) biosorption by bi-functionalized <i>Pseudomonas putida</i> @ chitosan bead: Modeling and optimization using RSM. <b>2016</b> , 89, 647-58	20
1432	Application of Analytical Quality by Design concept for bilastine and its degradation impurities determination by hydrophilic interaction liquid chromatographic method. <b>2016</b> , 125, 385-93	33



1431	Optimization of solar irradiated Fenton treatment of pesticide chlorpyrifos wastewater by response surface methodology. <b>2016</b> , 75, 1	4
1430	Nano-Fe <sub>3</sub> O <sub>4</sub> and corn cover composite for removal of Alizarin Red S from aqueous solution: characterization and optimization investigations. <b>2016</b> , 1-14	2
1429	Gabapentin, Pregabalin and Vigabatrin Quantification in Human Serum by GC-MS After Hexyl Chloroformate Derivatization. <b>2016</b> , 40, 749-753	11
1428	Computational and experimental optimization of the exhaust air energy recovery wind turbine generator. <b>2016</b> , 126, 862-874	19
1427	Effect on ceramic grade CaF <sub>2</sub> recovery quality from the etching wastewater under the optimum sulfate content. <b>2016</b> , 6, 85870-85876	3
1426	Determination of phthalate esters in drinking water and edible vegetable oil samples by headspace solid phase microextraction using graphene/polyvinylchloride nanocomposite coated fiber coupled to gas chromatography-flame ionization detector. <b>2016</b> , 1465, 38-46	71
1425	Influence of various process parameters on the biosorptive foam separation performance of o-cresol onto <i>Bacillus cereus</i> and Cetyl Trimethyl Ammonium Bromide. <b>2016</b> , 67, 263-270	1
1424	Leaching of chalcopyrite (CuFeS <sub>2</sub> ) with an imidazolium-based ionic liquid in the presence of chloride. <b>2016</b> , 99, 60-66	23
1423	Demulsifier Performance in Diluted Bitumen Dewatering: Effects of Mixing and Demulsifier Dosage. <b>2016</b> , 30, 9962-9974	9
1422	Performance evaluation of agricultural drainage water using modeling and statistical approaches. <b>2016</b> , 42, 141-148	12
1421	Optimization of processing parameters in green synthesis of gold nanoparticles using microwave and edible mushroom ( <i>Agaricus bisporus</i> ) extract and evaluation of their antibacterial activity. <b>2016</b> , 5, 1-10	35
1420	Evaluation of a Selective Resin in Loading&Regeneration Cycles for the Removal of Nitrate from Groundwater. <b>2016</b> , 40, 367-376	3
1419	Tolfenamic acid degradation by direct photolysis and the UV-ABC/HO process: factorial design, kinetics, identification of intermediates, and toxicity evaluation. <b>2016</b> , 573, 518-531	25
1418	Application of Response Surface Methodology to Electrocoagulation Treatment of Hospital Wastewater. <b>2016</b> , 44, 1516-1522	8
1417	Optimization of printing conditions for microscale multiline printing in continuous roll-to-roll gravure printing. <b>2016</b> , 42, 131-141	24
1416	Prediction of pore properties of hierarchical porous silica templated on natural rubber. <b>2016</b> , 233, 1-9	4
1415	Modeling of thorium (IV) ions adsorption onto a novel adsorbent material silicon dioxide nano-balls using response surface methodology. <b>2016</b> , 115, 280-288	25
1414	The use of chemometrics to study multifunctional indole alkaloids from <i>Psychotria nemorosa</i> (Palicourea comb. nov.). Part I: Extraction and fractionation optimization based on metabolic profiling. <b>2016</b> , 1463, 60-70	14



1413	Identification and discrimination of three common Aloe species by high performance liquid chromatography-tandem mass spectrometry coupled with multivariate analysis. <b>2016</b> , 1031, 163-171	10
1412	Ni supported on Fe-doped MgAl <sub>2</sub> O <sub>4</sub> for dry reforming of methane: Use of factorial design to optimize H <sub>2</sub> yield. <b>2016</b> , 41, 14047-14057	40
1411	Pulsed Electrokinetic Removal of Chromium, Mercury and Cadmium from Contaminated Mixed Clay Soils. <b>2016</b> , 25, 757-775	22
1410	Evaluation of a cactus mucilage biocomposite to remove total arsenic from water. <b>2016</b> , 6, 69-79	15
1409	One-pot stereoselective synthesis of chiral 1, 3-oxathiolane by Trichosporon laibachii lipase: Optimization by response surface methodology integrated a desirability function approach. <b>2016</b> , 133, 27-34	9
1408	Kinetic modelling of mancozeb hydrolysis and photolysis to ethylenethiourea and other by-products in water. <b>2016</b> , 102, 561-571	12
1407	Control of disinfection by-product derived from humic acid using MIEEX process: optimization through response surface methodology. <b>2016</b> , 6, 82376-82384	2
1406	Preparation of magnetic nanographene sorbent for extraction and quantification of targeted PPCPs in environmental water samples. <b>2016</b> , 6, 75609-75617	5
1405	Application of Response Surface Methodology for Optimization of Water Treatment by Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> Core-Shell Nano-Photocatalyst. <b>2016</b> , 203, 1523-1531	11
1404	The oxidation of viscose fiber optimized by response surface methodology and its further amination with PEI for CO <sub>2</sub> adsorption. <b>2016</b> , 23, 2539-2548	30
1403	Confinement of thermoresponsive microgels into fibres via colloidal electrospinning: experimental and statistical analysis. <b>2016</b> , 6, 76370-76380	11
1402	Boosting model performance and interpretation by entangling preprocessing selection and variable selection. <b>2016</b> , 938, 44-52	28
1401	High ethanol production under optimal aeration conditions and yeast composition in a very high gravity fermentation from sweet sorghum juice by <i>Saccharomyces cerevisiae</i> . <b>2016</b> , 92, 263-270	29
1400	Ultrasound-Assisted Extraction of Pristimerin from <i>Celastrus orbiculatus</i> Using Response Surface Methodology. <b>2016</b> , 39, 97-103	12
1399	Optimization of the Process Parameters for the Synthesis Process of Battery-Grade Ferrous Oxalate by Response Surface Method. <b>2016</b> , 11, 1650123	6
1398	Optimisation of contaminant removal in wet-weather sewage flows. <b>2016</b> , 169, 275-284	0
1397	Supercritical fluid extraction of coriander seeds: Process optimization, chemical profile and antioxidant activity of lipid extracts. <b>2016</b> , 94, 353-362	35
1396	Process optimization for microcystin-LR degradation by Response Surface Methodology and mechanism analysis in gas-liquid hybrid discharge system. <b>2016</b> , 183, 726-732	7

1395	Sol-gel coating of poly(ethylene glycol)-grafted multiwalled carbon nanotubes for stir bar sorptive extraction and its application to the analysis of polycyclic aromatic hydrocarbons in water. <b>2016</b> , 39, 3445-56	23
1394	Demulsification of water in oil emulsion using ionic liquids: Statistical modeling and optimization. <b>2016</b> , 184, 325-333	57
1393	Response surface optimization of a method for extracting extracellular polymeric substances (EPS) from subaerial biofilms on rocky substrata. <b>2016</b> , 408, 6369-79	6
1392	Preparation and characterization of Chinese yam polysaccharide PLGA nanoparticles and their immunological activity. <b>2016</b> , 511, 140-150	24
1391	A throughput method using the quick easy cheap effective rugged safe method for the quantification of ibuprofen and its main metabolites in soils. <b>2016</b> , 39, 3436-44	5
1390	Preparation, statistical optimisation and in vitro characterisation of poly (3-hydroxybutyrate-co-3-hydroxyvalerate)/poly (lactic-co-glycolic acid) blend nanoparticles for prolonged delivery of teriparatide. <b>2016</b> , 33, 460-474	12
1389	Enhanced production of nargenicin A1 and creation of a novel derivative using a synthetic biology platform. <b>2016</b> , 100, 9917-9931	21
1388	Determination of optimal extraction conditions for phenolic compounds from <i>Pistacia atlantica</i> leaves using the response surface methodology. <b>2016</b> , 8, 6107-6114	26
1387	Hurdle technology for minimally processed radishes: a response surface methodology approach. <b>2016</b> , 10, 794-803	0
1386	Experimental investigation of micro-channels produced in aluminum alloy (AA 2024) through laser machining. <b>2016</b> , 122, 1	2
1385	Multiple response optimization of the coagulation process for upgrading the quality of effluent from municipal wastewater treatment plant. <b>2016</b> , 6, 26115	13
1384	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogen-Doped Magnetic Graphene Oxide. <b>2016</b> , 6, 34378	28
1383	Modeling and optimization of NH <sub>3</sub> -SCR performance of MnO <sub>x</sub> /Alumina nanocatalysts by response surface methodology. <b>2016</b> , 69, 68-77	7
1382	Grade-recovery modelling and optimization of the froth flotation process of a lepidolite ore. <b>2016</b> , 157, 184-194	15
1381	Reduced incubation time for inhibition zone formation based on diffusion and growth mechanism elucidation. <b>2016</b> , 8, 3885-3891	9
1380	Multiresponse problems: desirability and other optimization approaches. <b>2016</b> , 30, 702-714	6
1379	Photocatalytic degradation of paraquat dichloride over CeO <sub>2</sub> -modified TiO <sub>2</sub> nanotubes and the optimization of parameters by response surface methodology. <b>2016</b> , 6, 104082-104093	9
1378	Multi-response optimization followed by multivariate calibration for simultaneous determination of carcinogenic polycyclic aromatic hydrocarbons in environmental samples using gold nanoparticles. <b>2016</b> , 6, 104254-104264	7

1377	The study of thermochromic and thermo-optical properties of sol-gel V1ââWxSiO2 films by response surface method. <b>2016</b> , 69, 151-155	4
1376	Comparative process optimization of pilot-scale total petroleum hydrocarbon (TPH) degradation by <i>Paspalum scrobiculatum</i> L. Hack using response surface methodology (RSM) and artificial neural networks (ANNs). <b>2016</b> , 97, 524-534	27
1375	Effect of dispersed hydrophilic silicon dioxide nanoparticles on batch adsorption of benzoic acid from aqueous solution using modified natural vermiculite: An equilibrium study. <b>2016</b> , 14, 325-337	7
1374	Optimization of sludge dewatering process by inorganic conditioners under mild thermal treatment. <b>2016</b> , 57, 28661-28669	1
1373	Insights into the value of statistical models and relativistic effects for the investigation of halogenated derivatives of fluorescent probes. <b>2016</b> , 135, 1	6
1372	Neural networks: An overview of early research, current frameworks and new challenges. <b>2016</b> , 214, 242-268	144
1371	Solar Photoelectro-Fenton Degradation of Acid Orange 7 Azo Dye in a Solar Flow Plant: Optimization by Response Surface Methodology. <b>2016</b> , 1, 83-94	8
1370	Response surface methodology for cadmium biosorption on <i>Pseudomonas aeruginosa</i> . <b>2016</b> , 73, 2608-15	6
1369	Nanohydroxyapatite synthesis using optimized process parameters for load-bearing implant. <b>2016</b> , 39, 133-145	12
1368	Optimization of Extraction of Bioactive Compounds from Black Carrot Using Response Surface Methodology (RSM). <b>2016</b> , 9, 1876-1886	19
1367	Optimisation of biodegradation conditions for cyanide removal by <i>Serratia marcescens</i> strain AQ07 using one-factor-at-a-time technique and response surface methodology. <b>2016</b> , 27, 533-545	19
1366	A hybrid statistical approach for modeling and optimization of RON: A comparative study and combined application of response surface methodology (RSM) and artificial neural network (ANN) based on design of experiment (DOE). <b>2016</b> , 113, 264-272	39
1365	Optimization of chlorpyrifos degradation by Fenton oxidation using CCD and ANFIS computing technique. <b>2016</b> , 4, 2952-2963	28
1364	Optimization of scum oil biodiesel production by using response surface methodology. <b>2016</b> , 102, 667-672	70
1363	LC-MS/MS signal enhancement for estrogenic hormones in water samples using experimental design. <b>2016</b> , 6, 39188-39197	3
1362	A new Schiff base: Synthesis, characterization and optimization of metal ions-binding properties. <b>2016</b> , 51, 2138-2144	5
1361	Design of chitosan-based nanoparticles functionalized with gallic acid. <b>2016</b> , 67, 717-726	28
1360	The optimization of fin-tube heat exchanger with longitudinal vortex generators using response surface approximation and genetic algorithm. <b>2016</b> , 52, 1871-1879	15

1359	Optimization of partitioning inside a single slope solar still for performance improvement. <b>2016</b> , 395, 79-91	53
1358	Assessment of parameters influencing the electro activated water character and explanation of process mechanism. <b>2016</b> , 99, 129-136	2
1357	Sawdust waste as a low-cost support-substrate for laccases production and adsorbent for azo dyes decolorization. <b>2016</b> , 14, 1	47
1356	Continuous electrocoagulation process for the post-treatment of anaerobically treated municipal wastewater. <b>2016</b> , 102, 724-733	25
1355	Function of Nitrate Ion and Tea Saponin Application Rates in Anerobic PAH Dissipation in Paddy Soil. <b>2016</b> , 44, 667-676	4
1354	Development of a microwave-assisted extraction of atropine and scopolamine from Solanaceae family plants followed by a QuEChERS cleanup procedure. <b>2016</b> , 39, 538-548	8
1353	Potential chemical impacts of CO <sub>2</sub> leakage on underground source of drinking water assessed by quantitative risk analysis. <b>2016</b> , 50, 305-316	42
1352	Hydrogen production by steam reforming of ethanol on a RhPt/CeO <sub>2</sub> /SiO <sub>2</sub> catalyst: Synergistic effect of the Si:Ce ratio on the catalyst performance. <b>2016</b> , 523, 283-293	30
1351	Optimization of Reactive Blue 21 removal by Nanoscale Zero-Valent Iron using response surface methodology. <b>2016</b> , 9, 518-525	17
1350	Ferric-manganese doped sulphated zirconia nanoparticles catalyst for single-step biodiesel production from waste cooking oil: Characterization and optimization. <b>2016</b> , 13, 1305-1313	8
1349	Production of biobutanol from acid-pretreated corncob using Clostridium beijerinckii TISTR 1461: Process optimization studies. <b>2016</b> , 46, 141-9	10
1348	A statistical experimental investigation on arsenic removal using capacitive deionization. <b>2016</b> , 57, 3254-3260	16
1347	Development of a design space and predictive statistical model for capsule filling of low-fill-weight inhalation products. <b>2016</b> , 42, 221-30	10
1346	Application of response surface methodology to optimize the treatment of cepheids pharmaceutical wastewater by ultrasound/Fenton process. <b>2016</b> , 57, 10866-10877	2
1345	Response surface methodology approach for optimization of adsorption process for the removal of Indosol Yellow BG dye from aqueous solution by agricultural waste. <b>2016</b> , 57, 11773-11781	15
1344	Evaluation and Optimization of Water-in-Oil Microemulsion Using Ternary Phase Diagram and Central Composite Design. <b>2016</b> , 37, 166-172	14
1343	Curcumin-loaded sterically stabilized nanodispersion based on non-ionic colloidal system induced by ultrasound and solvent diffusion-evaporation. <b>2016</b> , 88, 43-60	18
1342	The optimization of Marasmius androsaceus submerged fermentation conditions in five-liter fermentor. <b>2016</b> , 23, S99-S105	12

1341	Acetylation of Glycerol over Sulfated Alumina: Reaction Parameter Study and Optimization Using Response Surface Methodology. <b>2016</b> , 30, 584-593	21
1340	Optimization of operating factors and blended levels of diesel, biodiesel and ethanol fuels to minimize exhaust emissions of diesel engine using response surface methodology. <b>2016</b> , 99, 1006-1017	75
1339	Response surface methodology for the optimization of cellulosic ethanol production from <i>Phragmites australis</i> through pre-saccharification and simultaneous saccharification and fermentation. <b>2016</b> , 83, 431-437	25
1338	Parametric optimization and modeling of batch extraction process for extraction of betulinic acid from leaves of <i>Vitex Negundo</i> Linn. <b>2016</b> , 51, 641-652	3
1337	Simultaneous aqueous two-phase flotation of sodium chlorophyllin and removal of sugars from saponified solution of bamboo leaves. <b>2016</b> , 101, 41-49	20
1336	Multivariate optimization of process parameters in the synthesis of calcined Ca-Al (NO <sub>3</sub> ) LDH for defluoridation using 3(3) factorial, central composite and Box-Behnken design. <b>2016</b> , 51, 86-96	12
1335	Optimized high performance liquid chromatography-ultraviolet detection method using core-shell particles for the therapeutic monitoring of methotrexate. <b>2016</b> , 6, 103-111	12
1334	Dynamic modeling and optimization of cyanobacterial C-phycocyanin production process by artificial neural network. <b>2016</b> , 13, 7-15	24
1333	Modeling and optimization of effective parameters on the size of synthesized Fe <sub>3</sub> O <sub>4</sub> superparamagnetic nanoparticles by coprecipitation technique using response surface methodology. <b>2016</b> , 405, 88-96	10
1332	Application of soy hull biomass in removal of Cr(VI) from contaminated waters. Kinetic, thermodynamic and continuous sorption studies. <b>2016</b> , 4, 516-526	44
1331	Green synthesis of Fe <sub>2</sub> O <sub>3</sub> nanoparticles for arsenic(V) remediation with a novel aspect for sludge management. <b>2016</b> , 4, 639-650	65
1330	Optimization and preparation of an allyl phenoxy-modified bismaleimide resin. <b>2016</b> , 28, 669-681	8
1329	Optimization of magnetosome production by <i>Acidithiobacillus ferrooxidans</i> using desirability function approach. <b>2016</b> , 59, 731-739	18
1328	Response surface methodology applied to the study of the microwave-assisted synthesis of quaternized chitosan. <b>2016</b> , 138, 317-26	33
1327	Osmotic dehydration of yacon ( <i>Smallanthus sonchifolius</i> ): Optimization for fructan retention. <b>2016</b> , 71, 77-87	17
1326	Optimization of periodic static-dynamic supercritical CO <sub>2</sub> extraction of taxifolin from <i>pinus nigra</i> bark with ethanol as entrainer. <b>2016</b> , 113, 53-60	20
1325	Optimizing and modeling of effective parameters on the structural and magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by coprecipitation technique using response surface methodology. <b>2016</b> , 409, 134-142	16
1324	Development of an advanced chemical oxidation wastewater treatment system for the batik industry in Malaysia. <b>2016</b> , 6, 25222-25241	27

1323	Development and optimization of boswellic acid-loaded proniosomal gel. <b>2016</b> , 23, 3072-3081	25
1322	A novel enzyme-assisted ultrasonic approach for highly efficient extraction of resveratrol from <i>Polygonum cuspidatum</i> . <b>2016</b> , 32, 258-264	50
1321	Optimization of Ultrasound-Assisted Extraction of phenolic compounds and anthocyanins from blueberry ( <i>Vaccinium ashei</i> ) wine pomace. <b>2016</b> , 204, 70-76	186
1320	Development and validation of an UHPLC method for the determination of betamethasone valerate in cream, gel, ointment and lotion. <b>2016</b> , 106, 70-7	2
1319	Multivariate Optimization and Adsorption Characterization of As(III) by Using Fraxinus Tree Leaves. <b>2016</b> , 203, 210-223	15
1318	Improving bioactivities of <i>Jatropha curcas</i> protein hydrolysates by optimizing with response surface methodology the extrusion cooking process. <b>2016</b> , 85, 353-360	14
1317	A novel hybrid MCDM model combining the SAW, TOPSIS and GRA methods based on experimental design. <b>2016</b> , 345, 27-45	132
1316	Optimization of dispersed carbon nanoparticles synthesis for rapid desulfurization of liquid fuel. <b>2016</b> , 13, 146-154	4
1315	Optimization of coffee oil flavor encapsulation using response surface methodology. <b>2016</b> , 70, 126-134	38
1314	Electrical discharge machining of the AISI D6 tool steel: Prediction and modeling of the material removal rate and tool wear ratio. <b>2016</b> , 45, 435-444	39
1313	<i>Aspergillus oryzae</i> lipase-catalyzed synthesis of glucose laurate with excellent productivity. <b>2016</b> , 3,	12
1312	Assessment of iron ore mineral wastes for sulfate removal from groundwater wells: a case study. <b>2016</b> , 6, 11719-11734	7
1311	Miniaturized and direct spectrophotometric multi-sample analysis of trace metals in natural waters. <b>2016</b> , 497, 18-23	2
1310	On the control of interferences in the potentiometric fluoride analysis of table salt samples. <b>2016</b> , 47, 60-68	2
1309	Graphene oxideâpolyaniline nanocomposite as a potential sorbent for dispersive solid-phase extraction and determination of selected pharmaceutical and personal care products in wastewater samples using HPLC with a diode-array detector. <b>2016</b> , 8, 1898-1907	6
1308	DoE optimization of a mercury isotope ratio determination method for environmental studies. <i>Talanta</i> , <b>2016</b> , 152, 179-87	6.2 3
1307	Evaluating effective factors on the activity and loading of immobilized $\alpha$ -amylase onto magnetic nanoparticles using a response surface-desirability approach. <b>2016</b> , 6, 20187-20197	26
1306	Magnetic Material Grafted Poly(phosphotungstate-based acidic ionic liquid) As Efficient and Recyclable Catalyst for Esterification of Oleic Acid. <b>2016</b> , 55, 1833-1842	32

1305	Preparation, optimization, characterization and in vivo pharmacokinetic study of asiatic acid tromethamine salt-loaded solid lipid nanoparticles. <b>2016</b> , 42, 1325-33	13
1304	Hierarchical response surface methodology for optimization of postharvest treatments to maintain quality of litchi cv. "Chieu" during cold storage. <b>2016</b> , 117, 94-101	10
1303	A new cuckoo search algorithm for 2-machine robotic cell scheduling problem with sequence-dependent setup times. <b>2016</b> , 28, 131-143	33
1302	Synthesis of a Ni(II) ion imprinted polymer based on macroporous mesoporous silica with enhanced dynamic adsorption capacity: optimization by response surface methodology. <b>2016</b> , 40, 3821-3832	10
1301	Statistical Optimization of Pectinase Biosynthesis from Orange Peel by <i>Bacillus licheniformis</i> Using Submerged Fermentation. <b>2016</b> , 7, 467-481	20
1300	Central composite methodology for methylene blue removal by <i>Elaeagnus angustifolia</i> as a novel biosorbent. <b>2016</b> , 4, 1407-1416	15
1299	Modeling and optimization of red currants vacuum drying process by response surface methodology (RSM). <b>2016</b> , 203, 465-475	76
1298	Chemometric optimization and validation of a novel dispersive liquid-liquid microextraction-HPLC method for gliclazide, glibenclamide and glimepiride quantitation in serum samples. <b>2016</b> , 127, 113-119	22
1297	CO <sub>2</sub> reforming of CH <sub>4</sub> over Ni-Co/MSN for syngas production: Role of Co as a binder and optimization using RSM. <b>2016</b> , 295, 1-10	77
1296	Okara treated with high hydrostatic pressure assisted by Ultraflo L: Effect on solubility of dietary fibre. <b>2016</b> , 33, 32-37	34
1295	Effect of laser incidence angle on cut quality of 4mm thick stainless steel sheet using fiber laser. <b>2016</b> , 81, 168-179	18
1294	Drying of shiitake mushrooms in a vacuum dryer and optimization of the process by response surface methodology (RSM). <b>2016</b> , 10, 425-433	9
1293	Response surface methodology investigation into the interactions between arsenic and humic acid in water during the coagulation process. <b>2016</b> , 312, 150-158	34
1292	Gaining further insight into photo-Fenton treatment of phenolic compounds commonly found in food processing industry. <b>2016</b> , 288, 126-136	17
1291	<i>Starmerella bacillaris</i> and <i>Saccharomyces cerevisiae</i> mixed fermentations to reduce ethanol content in wine. <b>2016</b> , 100, 5515-26	74
1290	Investigation by Response Surface Methodology of Extraction of Caffeine, Gallic Acid and Selected Catechins from Tea Using Water-Ethanol Mixtures. <b>2016</b> , 9, 2773-2779	6
1289	Wet oxidation of dimethylformamide via designed experiments approach studied with Ru and Ir containing Ti mesh monolith catalysts. <b>2016</b> , 34, 405-414	8
1288	Optimization of photocatalytic post-treatment of composting leachate using UV/TiO <sub>2</sub> . <b>2016</b> , 57, 22232-22243	10



1287	Use of magnetic effervescent tablet-assisted ionic liquid dispersive liquid-liquid microextraction to extract fungicides from environmental waters with the aid of experimental design methodology. <b>2016</b> , 906, 118-127		75
1286	Biocatalytic conversion and detoxification of imipramine by the laccase-mediated system. <b>2016</b> , 108, 1-8		14
1285	Optimization of Fenton Oxidation Process for the Degradation of Color Precursors in Raw Sugar Beet Juice. <b>2016</b> , 18, 273-284		5
1284	Speciation analysis of organotin compounds (OTCs) by a simultaneous hydride generation-liquid/liquid extraction and GC-MS determination. <b>2016</b> , 126, 460-465		9
1283	Utilization of a cost effective Lapindo mud catalyst derived from eruption waste for transesterification of waste oils. <b>2016</b> , 108, 411-421		17
1282	Box-Behnken response surface methodology for optimization of operational parameters of compression ignition engine fuelled with a blend of diesel, biodiesel and diethyl ether. <b>2016</b> , 7, 87-95		17
1281	Manufacturing the novel sausages with reduced quantity of meat and fat: The product development, formulation optimization, emulsion stability and textural characterization. <b>2016</b> , 68, 76-84		33
1280	Response surface evaluation of microwave-assisted extraction conditions for <i>Lycium barbarum</i> bioactive compounds. <b>2016</b> , 33, 319-326		34
1279	Effect of ultrasonic irradiations on gas-liquid mass transfer coefficient (kLa); Experiments and modelling. <b>2016</b> , 79, 119-129		8
1278	Study of influence of pH and salinity on combined flocculation of <i>Chaetoceros gracilis</i> microalgae. <b>2016</b> , 286, 106-113		22
1277	Ultrasound-assisted dispersive liquid-liquid microextraction for the determination of synthetic musk fragrances in aqueous matrices by gas chromatography-mass spectrometry. <i>Talanta</i> , <b>2016</b> , 148, 84-93	6.2	40
1276	Ultrasound-assisted extraction of azadirachtin from dried entire fruits of <i>Azadirachta indica</i> A. Juss. (Meliaceae) and its determination by a validated HPLC-PDA method. <i>Talanta</i> , <b>2016</b> , 149, 77-84	6.2	23
1275	Optimization of Nickel Chemical Extraction from Hazardous Residue. <b>2016</b> , 14, 175-183		4
1274	Multi-objective optimization of media nutrients for enhanced production of algae biomass and fatty acid biosynthesis from <i>Chlorella pyrenoidosa</i> NCIM 2738. <b>2016</b> , 200, 940-50		31
1273	Optimization of ultrasound-assisted extraction of bioactive compounds from wild garlic ( <i>Allium ursinum</i> L.). <b>2016</b> , 29, 502-11		94
1272	Application of acid-activated Bauxsol for wastewater treatment with high phosphate concentration: Characterization, adsorption optimization, and desorption behaviors. <b>2016</b> , 167, 1-7		14
1271	Simultaneous spectrophotometric determination of synthetic dyes in food samples after cloud point extraction using multiple response optimizations. <i>Talanta</i> , <b>2016</b> , 148, 237-46	6.2	80
1270	Simplex optimization: A tutorial approach and recent applications in analytical chemistry. <b>2016</b> , 124, 45-54		44

1269	Optimization of the derivatization protocol of pentacyclic triterpenes prior to their gas chromatography-mass spectrometry analysis in plant extracts. <i>Talanta</i> , <b>2016</b> , 147, 35-43	6.2	26
1268	Optimisation of pressurised water extraction of polysaccharides from blackcurrant and its antioxidant activity. <b>2016</b> , 194, 650-8		88
1267	Multiple response optimization of sequential speciation of chromium in water samples by in situ solvent formation dispersive liquid-liquid microextraction prior to electrothermal atomic absorption spectrometry determination. <b>2016</b> , 13, 117-130		13
1266	Optimization of nitrobenzene wastewater treatment with O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> in a rotating packed bed using response surface methodology. <b>2016</b> , 57, 19996-20004		14
1265	Comparative study of surrogate approaches while optimizing computationally expensive reaction networks. <b>2016</b> , 140, 44-61		47
1264	Recovery of flavonoids from grape skins by enzyme-assisted extraction. <b>2016</b> , 51, 255-268		24
1263	Optimization of ranitidine hydrochloride removal from simulated pharmaceutical waste by activated charcoal from mung bean husk using response surface methodology and artificial neural network. <b>2016</b> , 57, 18366-18378		7
1262	Ultrasonic emulsification of parenteral valproic acid-loaded nanoemulsion with response surface methodology and evaluation of its stability. <b>2016</b> , 29, 299-308		49
1261	Recovery of Biogas from Meat Industry Wastewater Using Continuously Stirred Tank Reactor (CSTR): Modeling and Optimization. <b>2016</b> , 14, 125-132		5
1260	1,4-dihydroxyanthraquinone electrochemical sensor based on molecularly imprinted polymer using multi-walled carbon nanotubes and multivariate optimization method. <i>Talanta</i> , <b>2016</b> , 146, 525-32	6.2	29
1259	Characterization of binary and ternary mixtures of green, white and black tea extracts by electrospray ionization mass spectrometry and modeling of their in vitro antibacterial activity. <b>2016</b> , 65, 414-420		18
1258	Optimization of the Extraction Process of Antioxidants from Orange Using Response Surface Methodology. <b>2016</b> , 9, 1436-1443		9
1257	Optimization Methodologies for the Production of Pharmaceutical Products. <b>2016</b> , 281-309		3
1256	Process Simulation and Data Modeling in Solid Oral Drug Development and Manufacture. <b>2016</b> ,		7
1255	Vapor permeation-distillation hybrid processes for cost-effective isopropanol dehydration: modeling, simulation and optimization. <b>2016</b> , 497, 108-119		22
1254	Multi-response optimisation of ultrasound-assisted extraction for recovery of flavonoids from red grape skins using response surface methodology. <b>2016</b> , 27, 13-22		18
1253	Estimation of mass transfer coefficients of the extraction process of essential oil from orange peel using microwave assisted extraction. <b>2016</b> , 170, 136-143		39
1252	Experimental design for extraction of bio-oils from flax seeds under supercritical ethanol conditions. <b>2016</b> , 18, 461-471		11

1251	Effect of Korean Red Ginseng extraction conditions on antioxidant activity, extraction yield, and ginsenoside Rg1 and phenolic content: optimization using response surface methodology. <b>2016</b> , 40, 229-36	19
1250	Production of 2,3-Butanediol from Sucrose by a Klebsiella Species. <b>2016</b> , 9, 15-22	13
1249	Anaerobic stabilized landfill leachate treatment using chemically activated sugarcane bagasse activated carbon: kinetic and equilibrium study. <b>2016</b> , 57, 3916-3927	24
1248	Isolation, identification and fermentation conditions of highly acetoin-producing acetic acid bacterium from Liangzhou fumigated vinegar in China. <b>2016</b> , 66, 279-288	5
1247	Investigating of the effect of ore work index and particle size on the grinding modeling of some copper sulphide ores. <b>2016</b> , 5, 101-110	2
1246	Zinc Extraction Kinetics Studies in the Lewis Cell Based on Conductivity Measurements. <b>2016</b> , 69, 979-989	
1245	Multi-response optimization of factors affecting ultrasonic assisted extraction from Iranian basil using central composite design. <b>2016</b> , 190, 864-870	56
1244	Monitoring the contents of six steroidal and phenolic endocrine disrupting chemicals in chicken, fish and aquaculture pond water samples using pre-column derivatization and dispersive liquid-liquid microextraction with the aid of experimental design methodology. <b>2016</b> , 192, 98-106	51
1243	An integrated Taguchi and response surface methodological approach for the optimization of an HPLC method to determine glimepiride in a supersaturatable self-nanoemulsifying formulation. <b>2016</b> , 24, 92-103	11
1242	Optimization of Experiments for Microwave Drying of Hydrometallurgy Mud Using Response Surface Methodology. <b>2016</b> , 41, 569-576	4
1241	Designing a Response Surface Model for Removing Phosphate and Organic Compound from Wastewater by Pseudomonas Strain MT1. <b>2017</b> , 87, 1167-1176	1
1240	Analysis and Optimization of Ultrasound-Assisted Alkaline Palm Oil Transesterification by RSM and ANN-GA. <b>2017</b> , 204, 365-381	7
1239	Coagulation of landfill leachate by FeCl <sub>3</sub> : process optimization using Box-Behnken design (RSM). <b>2017</b> , 7, 1943-1953	22
1238	Optimization of A-GTAW welding parameters for naval steel (DMR 249 A) by design of experiments approach. <b>2017</b> , 231, 320-331	15
1237	An integrated, quality by design (QbD) approach for design, development and optimization of orally disintegrating tablet formulation of carbamazepine. <b>2017</b> , 22, 889-903	20
1236	Optimization study for Pb(II) and COD sequestration by consortium of sulphate-reducing bacteria. <b>2017</b> , 7, 2309-2320	5
1235	Development of new green processes for the recovery of bioactives from Phaeodactylum tricornutum. <b>2017</b> , 99, 1056-1065	59
1234	Low-Temperature Extraction of Jamun Juice (Indian Black Berry) and Optimization of Enzymatic Clarification Using Box-Behnken Design. <b>2017</b> , 40, e12414	17

1233	Optimization of Microwave-Assisted Extraction of Bioactive Compounds from <i>Coriolus versicolor</i> Mushroom Using Response Surface Methodology. <b>2017</b> , 40, e12421	26
1232	Contactless decontamination of hair samples: cannabinoids. <b>2017</b> , 9, 282-288	6
1231	Synthesis of zeolitic imidazolate frameworks (ZIF)-8 membrane and its process optimization study in separation of CO <sub>2</sub> from natural gas. <b>2017</b> , 92, 420-431	14
1230	Parametric Study and Process Evaluation of Fenton Oxidation: Application of Sequential Response Surface Methodology and Adaptive Neuro-Fuzzy Inference System Computing Technique. <b>2017</b> , 204, 658-676	1
1229	Optimization of Headspace Solid-Phase Microextraction with Different Fibers for the Analysis of Volatile Compounds of White-Brined Cheese by Using Response Surface Methodology. <b>2017</b> , 10, 1956-1964	15
1228	Optimization of Microwave-Assisted Extraction of Polyphenolic Compounds from <i>Ocimum basilicum</i> by Response Surface Methodology. <b>2017</b> , 10, 2270-2280	28
1227	Using response surface methodology to investigate bone china characteristics: (I) optical characteristics. <b>2017</b> , 53, 149-155	
1226	Modeling and treatment optimization of pharmaceutically active compounds by the photo-Fenton process: The case of the antidepressant Venlafaxine. <b>2017</b> , 5, 818-828	13
1225	Using response surface methodology to investigate bone china characteristics: (II) physical characteristics. <b>2017</b> , 53, 143-147	
1224	Organic Synthesis in Flow: Toward Higher Levels of Sustainability. <b>2017</b> , 103-134	2
1223	Efficient and clean pre-concentration of ultra-trace calcium channel blockers from biological matrices via a hyphenated procedure of two sequential dispersive solid/liquid phase microextractions. <b>2017</b> , 960, 138-150	15
1222	Optimisation of the synthesis of ZrC coatings in a radio frequency induction-heating chemical vapour deposition system using response surface methodology. <b>2017</b> , 624, 61-69	11
1221	Applications of Response Surface Methodology in the Food Industry Processes. <b>2017</b> , 10, 413-433	167
1220	Chromatographic characterization of the crambe ( <i>Crambe abyssinica</i> Hochst) oil and modeling of some parameters for its conversion in biodiesel. <b>2017</b> , 97, 545-551	16
1219	Response surface optimization of heterogeneous Fenton-like degradation of sulfasalazine using Fe-impregnated clinoptilolite nanorods prepared by Ar-plasma. <b>2017</b> , 43, 3989-4005	8
1218	Optimization of UV irradiation mutation conditions for cellulase production by mutant fungal strains of <i>Aspergillus niger</i> through solid state fermentation. <b>2017</b> , 6,	6
1217	Optimized microwave-assistant extraction combined ultrasonic pretreatment of flavonoids from <i>Periploca forrestii</i> Schltr. and evaluation of its anti-allergic activity. <b>2017</b> , 38, 1113-1121	12
1216	In situ production of hydrogen peroxide in a microbial fuel cell for recalcitrant wastewater treatment. <b>2017</b> , 92, 1825-1840	17

1215	Multi-response optimization of Artemia hatching process using split-split-plot design based response surface methodology. <b>2017</b> , 7, 40394	16
1214	Application of response surface methodology for modeling and optimization of Bacillus subtilis spores inactivation by the UV/persulfate process. <b>2017</b> , 17, 342-351	13
1213	Optimization of operating parameters of novel composite adsorbent for organic pollutants removal from POME using response surface methodology. <b>2017</b> , 174, 232-242	29
1212	Electrodeposition of nanocrystalline Zn/Ni multilayer coatings from single bath: Influences of deposition current densities and number of layers on characteristics of deposits. <b>2017</b> , 404, 101-109	26
1211	Diclofenac extraction from aqueous solution by an emulsion liquid membrane: Parameter study and optimization using the response surface methodology. <b>2017</b> , 231, 1-10	38
1210	Exergy Optimization of a Double-Exposure Solar Cooker by Response Surface Method. <b>2017</b> , 9,	6
1209	Robust optimization of the efficient syngas fractions in entrained flow coal gasification using Taguchi method and response surface methodology. <b>2017</b> , 42, 4908-4921	21
1208	Central composite design and response surface methodology for the optimization of Ag+-HPLC/ELSD method for triglyceride profiling. <b>2017</b> , 11, 902-912	9
1207	Exploring experimental fitness landscapes for chemical synthesis and property optimization. <b>2017</b> , 19, 4266-4287	8
1206	Chemometric-assisted QuEChERS extraction method for post-harvest pesticide determination in fruits and vegetables. <b>2017</b> , 7, 42489	12
1205	Alginate-polyvinyl alcohol based interpenetrating polymer network for prolonged drug therapy, Optimization and in-vitro characterization. <b>2017</b> , 166, 183-194	73
1204	Comparative analysis of data mining and response surface methodology predictive models for enzymatic hydrolysis of pretreated olive tree biomass. <b>2017</b> , 101, 23-30	12
1203	Statistical approach of synthesize CoFe <sub>2</sub> O <sub>4</sub> nanoparticles to optimize their characteristics using response surface methodology. <b>2017</b> , 432, 362-372	9
1202	Enhanced active extracellular polysaccharide production from Ganoderma formosanum using computational modeling. <b>2017</b> , 25, 804-811	18
1201	Optimization: Microwave irradiation effect on polyphenolic compounds extraction from winter savory (Satureja montana L.). <b>2017</b> , 52, 1377-1386	6
1200	Removing Reactive Red 120 and 196 using chitosan/zeolite composite from aqueous solutions: Kinetics, isotherms, and process optimization. <b>2017</b> , 51, 185-195	64
1199	Flocculation Optimization of Orthophosphate with FeCl <sub>3</sub> and Alginate Using the Box-Behnken Response Surface Methodology. <b>2017</b> , 56, 3145-3155	29
1198	Multi-functioning deep eutectic solvents as extraction and storage media for bioactive natural products that are readily applicable to cosmetic products. <b>2017</b> , 151, 87-95	95

1197	Vortex-assisted surfactant-enhanced emulsification microextraction combined with LC-MS/MS for the determination of glucocorticoids in water with the aid of experimental design. <b>2017</b> , 409, 2905-2918	8
1196	Floral parts of <i>Gomphrena globosa</i> L. as a novel alternative source of betacyanins: Optimization of the extraction using response surface methodology. <b>2017</b> , 229, 223-234	38
1195	Nitrate concentration-shift cultivation to enhance protein content of heterotrophic microalga <i>Chlorella vulgaris</i> : Over-compensation strategy. <b>2017</b> , 233, 247-255	51
1194	An imprinted interpenetrating polymer network for microextraction in packed syringe of carbamazepine. <b>2017</b> , 1491, 1-8	21
1193	Optimization of ion exchange sigmoidal gradients using hybrid models: Implementation of quality by design in analytical method development. <b>2017</b> , 1491, 145-152	11
1192	Effects of process parameters on EPA and DHA concentrate production from Atlantic salmon by-product oil: Optimization and characterization. <b>2017</b> , 34, 2255-2264	6
1191	Use of chemometrics to optimize a glucose assay on a paper microfluidic platform. <b>2017</b> , 409, 2697-2703	21
1190	Design of experiments (DoE) in pharmaceutical development. <b>2017</b> , 43, 889-901	155
1189	Application of optimized large surface area date stone ( <i>Phoenix dactylifera</i> ) activated carbon for rhodamin B removal from aqueous solution: Box-Behnken design approach. <b>2017</b> , 139, 280-290	42
1188	Predicting instrumental mass fractionation (IMF) of stable isotope SIMS analyses by response surface methodology (RSM). <b>2017</b> , 32, 731-748	11
1187	Development and validation of an ultra-performance liquid chromatography method for the determination of bis(2,4-di-tert-butylphenyl)phosphate and related extractable compounds from single-use plastic films. <b>2017</b> , 1492, 49-54	11
1186	Optimization of Nitrate Removal Efficiency and Energy Consumption Using a Batch Monopolar Electrocoagulation: Prediction by RSM Method. <b>2017</b> , 143, 04017022	22
1185	Surface hydrophobization of polyester fibers with poly(methylhydro-dimethyl)siloxane copolymers: Experimental design for testing of modified nonwoven materials as oil spill sorbents. <b>2017</b> , 59, 377-389	19
1184	Modeling and optimization of nanoemulsion containing Sorafenib for cancer treatment by response surface methodology. <b>2017</b> , 11, 21	15
1183	The relationship between RMS electromyography and thickness change in the skeletal muscles. <b>2017</b> , 43, 92-96	5
1182	Design of experiments for amino acid extraction from tobacco leaves and their subsequent determination by capillary zone electrophoresis. <b>2017</b> , 409, 2383-2391	11
1181	Extraction of green absolute from thyme using ultrasound and sunflower oil. <b>2017</b> , 3, 12-21	16
1180	Designing Successful Proteomics Experiments. <b>2017</b> , 1550, 271-288	5

1179	Optimization of the production parameters for bread rolls with the Nelder-Mead simplex method. <b>2017</b> , 103, 10-17	5
1178	Valorisation of tomato wastes for development of nutrient-rich antioxidant ingredients: A sustainable approach towards the needs of the today's society. <b>2017</b> , 41, 160-171	53
1177	Well-Designed Hydrophobic Deep Eutectic Solvents As Green and Efficient Media for the Extraction of Artemisinin from <i>Artemisia annua</i> Leaves. <b>2017</b> , 5, 3270-3278	129
1176	Chemometrics approach for optimization of simultaneous adsorption of Alizarin red S and Congo red by cobalt hydroxide nanoparticles. <b>2017</b> , 31, e2886	3
1175	Application of Box-Behnken design to optimize multi-sorbent solid phase extraction for trace neonicotinoids in water containing high level of matrix substances. <i>Talanta</i> , <b>2017</b> , 170, 392-398	6.2 41
1174	Comparative study of ANN and RSM for simultaneous optimization of multiple targets in Fenton treatment of landfill leachate. <b>2017</b> , 65, 54-62	65
1173	Multi-objective optimization of cutting parameters to minimize power consumption in dry turning of stainless steel 316. <b>2017</b> , 157, 30-46	82
1172	Investigation of carbon-based nanomaterials as sorbents for headspace in-tube extraction of polycyclic aromatic hydrocarbons. <b>2017</b> , 409, 3861-3870	14
1171	A simple and fast method based on functionalized magnetic nanoparticles for the determination of Ag(I), Au(III) and Pd(II) in mine stone, road dust and water samples. <b>2017</b> , 9, 2873-2882	7
1170	Extraction Optimization for Phlorotannin Recovery from the Edible Brown Seaweed <i>Ecklonia Cava</i> . <b>2017</b> , 26, 801-810	9
1169	Development of nanobiocatalysts through the immobilization of <i>Pseudomonas fluorescens</i> lipase for applications in efficient kinetic resolution of racemic compounds. <b>2017</b> , 239, 464-471	35
1168	Modern extraction techniques optimized to extract betacyanins from <i>Gomphrena globosa</i> L.. <b>2017</b> , 105, 29-40	25
1167	Mass Transfer Study of Newtonian Fluids with Different Viscosity under Low-Frequency, High-Power Ultrasound Irradiation. <b>2017</b> , 204, 864-872	2
1166	Effect of Various Curved-Blade Impeller Geometries on Drop Size in a Liquid-Liquid Stirred Vessel. <b>2017</b> , 204, 884-896	5
1165	Optimized ultra-high-pressure-assisted extraction of procyanidins from lychee pericarp improves the antioxidant activity of extracts. <b>2017</b> , 81, 1576-1585	9
1164	Egg shell waste as heterogeneous nanocatalyst for biodiesel production: Optimized by response surface methodology. <b>2017</b> , 198, 319-329	121
1163	Determination of the stereoisomeric impurities of sitafloxacin by capillary electrophoresis with dual chiral additives. <b>2017</b> , 1506, 120-127	17
1162	Highly fluorescent carbon dots from peanut shells as potential probes for copper ion: The optimization and analysis of the synthetic process. <b>2017</b> , 5, 1-10	55



1161	Non-catalytic hydrothermal liquefaction of pine sawdust using experimental design: Material balances and products analysis. <b>2017</b> , 204, 1026-1034	26
1160	Refining of crude rubber seed oil as a feedstock for biofuel production. <b>2017</b> , 203, 1011-1016	8
1159	Extraction of gingerols and shogaols from ginger ( <i>Zingiber officinale</i> Roscoe) through microwave technique using ionic liquids. <b>2017</b> , 62, 35-42	23
1158	Treatment of Wet FGD Wastewater by a Modified Chemical Precipitation Method Using a Solid Powder Reagent. <b>2017</b> , 23, 110-121	6
1157	Response surface methodology-based optimization of glucose acylation bio-catalyzed by immobilized lipase. <b>2017</b> , 35, 238-248	2
1156	A new approach to obtain cellulose nanocrystals and ethanol from eucalyptus cellulose pulp via the biochemical pathway. <b>2017</b> , 33, 1085-1095	30
1155	Experimental Design in Ion Chromatography: Effect of the Organic Modifier and Complexing Agent on the Retention of Alkaline and Alkaline Earth Ions. <b>2017</b> , 80, 853-860	3
1154	Preconcentration and determination of 2-mercaptobenzimidazole by dispersive liquid-liquid microextraction and experimental design. <b>2017</b> , 40, 2467-2473	4
1153	Response surface methodology approach for the optimisation of adsorption of hydrolysed polyacrylamide from polymer-flooding wastewater onto steel slag: a good option of waste mitigation. <b>2017</b> , 76, 776-784	9
1152	Identifying electrochemical effects in a thermal-electrochemical co-driven system for CO capture. <b>2017</b> , 19, 13230-13244	5
1151	Predicting discharge coefficient of triangular labyrinth weir using Support Vector Regression, Support Vector Regression-firefly, Response Surface Methodology and Principal Component Analysis. <b>2017</b> , 55, 75-81	15
1150	Bio-oil production from dry sewage sludge by fast pyrolysis in an electrically-heated fluidized bed reactor. <b>2017</b> , 27, 7-14	80
1149	Design and evaluation of electrospun polysulfone fibers and polysulfone/NiFe <sub>2</sub> O <sub>4</sub> nanostructured composite as sorbents for oil spill cleanup. <b>2017</b> , 70, 267-281	41
1148	Response surface approach for optimization of Hg(II) adsorption by 3-mercaptopropyl trimethoxysilane-modified kaolin minerals from aqueous solution. <b>2017</b> , 34, 2225-2235	25
1147	Extraction of rosmarinic acid from <i>Melissa officinalis</i> L. by heat-, microwave- and ultrasound-assisted extraction techniques: A comparative study through response surface analysis. <b>2017</b> , 186, 297-308	42
1146	Effect of carrier agents on chemical properties and sensory evaluation of spray-dried <i>Nigella sativa</i> . <b>2017</b> , 15, 448-456	2
1145	Ionic liquid based vortex assisted liquid-liquid microextraction combined with liquid chromatography mass spectrometry for the determination of bisphenols in thermal papers with the aid of response surface methodology. <b>2017</b> , 1509, 35-42	10
1144	Simultaneous removal of dyes onto nanowires adsorbent use of ultrasound assisted adsorption to clean waste water: Chemometrics for modeling and optimization, multicomponent adsorption and kinetic study. <b>2017</b> , 124, 222-237	86

1143	Extraction of bamboo micron fibers by optimized mechano-chemical process using a central composite design and their surface modification. <b>2017</b> , 199, 23-33		11
1142	Soybeans isoflavone aglycone-rich extracts: Optimization by different bioprocesses and production of a purified fraction with promising wound healing property. <b>2017</b> , 105, 193-202		9
1141	Sonochemical synthesis of Sm-doped ZnS nanoparticles for photocatalytic degradation of Direct Blue 14: Experimental design by response surface methodology and development of a kinetics model. <b>2017</b> , 240, 65-73		28
1140	Trends of spray drying: A critical review on drying of fruit and vegetable juices. <b>2017</b> , 65, 49-67		176
1139	Relative floatability as a criterion for evaluating the separation performance of phosphate from iron. <b>2017</b> , 27, 451-458		5
1138	Process optimization, kinetic and thermodynamic studies on biodiesel production by supercritical methanol transesterification with CH <sub>3</sub> ONa catalyst. <b>2017</b> , 203, 739-748		50
1137	Optimization and characterization of electrospun chitosan/poly(vinyl alcohol) nanofibers as a phenol adsorbent via response surface methodology. <b>2017</b> , 28, 1872-1878		9
1136	Adsorption photobioreactor as a co-treatment system for ammonium and phosphate removal by the response surface method. <b>2017</b> , 35, 766-775		3
1135	Investigating the organic and conventional production type of olive oil with target and suspect screening by LC-QTOF-MS, a novel semi-quantification method using chemical similarity and advanced chemometrics. <b>2017</b> , 409, 5413-5426		29
1134	Bone char prepared by CO <sub>2</sub> atmosphere: Preparation optimization and adsorption studies of Remazol Brilliant Blue R. <b>2017</b> , 161, 288-298		28
1133	pH mediated facile preparation of hydrotalcite based adsorbent for enhanced arsenite and arsenate removal: Insights on physicochemical properties and adsorption mechanism. <b>2017</b> , 240, 240-252		21
1132	Determination of 3-nitrotyrosine in food protein suspensions. <i>Talanta</i> , <b>2017</b> , 171, 81-89	6.2	4
1131	Effect of fly ash cenosphere pore formers on the microstructure and mechanical properties of vitrified diamond grinding wheels. <b>2017</b> , 67, 82-89		8
1130	Electrodeposition of PANI/MWCNT nanocomposite on stainless steel with enhanced electrocatalytic activity for oxygen reduction reaction and electro-Fenton process. <b>2017</b> , 41, 5995-6003		15
1129	Application of Doehlert design to the electro-Fenton treatment of Bismarck Brown Y. <b>2017</b> , 799, 34-39		18
1128	Analysis of trace microcystins in vegetables using matrix solid-phase dispersion followed by high performance liquid chromatography triple-quadrupole mass spectrometry detection. <i>Talanta</i> , <b>2017</b> , 173, 101-106	6.2	46
1127	Crossed mixture process design optimization and adsorption characterization of multi-metal (Cu(II), Zn(II) and Ni(II)) removal by modified Buxus sempervirens tree leaves. <b>2017</b> , 78, 104-117		14
1126	Sono-Fenton regeneration of granular activated carbon saturated with Rhodamine B: Optimization using response surface methodology. <b>2017</b> , 204, 1070-1081		0

1125	Immobilization of <i>Trametes versicolor</i> laccase on different PGMA-based polymeric microspheres using response surface methodology: Optimization of conditions. <b>2017</b> , 134, 45249	13
1124	Non-catalytic Hydrothermal Liquefaction of Biomass: An Experimental Design Approach. <b>2017</b> , 105, 75-81	3
1123	Optimization and comparison of maceration and microwave extraction systems for the production of phenolic compounds from <i>Juglans regia</i> L. for the valorization of walnut leaves. <b>2017</b> , 107, 341-352	50
1122	Optimizing conditions for antioxidant phenolic compound extraction from <i>Mahonia bealei</i> (Fort.) Carr. leaves using a response surface methodology. <b>2017</b> , 58, 282-291	1
1121	Enhancement of synthesis gas and methanol production by flare gas recovery utilizing a membrane based separation process. <b>2017</b> , 166, 186-201	35
1120	Optimization of the Electrochemical Extraction and Recovery of Metals from Electronic Waste Using Response Surface Methodology. <b>2017</b> , 56, 7516-7524	7
1119	Extraction and Isolation of $\beta$ -Glucan from Grain Sources-A Review. <b>2017</b> , 82, 1535-1545	40
1118	Green compressed fluid technologies for downstream processing of <i>Scenedesmus obliquus</i> in a biorefinery approach. <b>2017</b> , 24, 111-121	48
1117	Dispersive liquid-liquid microextraction for the determination of menthol residue in fish by GC-MS. <b>2017</b> , 133, 70-75	9
1116	Optimization of enzyme immobilization on functionalized magnetic nanoparticles for laccase biocatalytic reactions. <b>2017</b> , 117, 1-8	84
1115	Optimization of extraction of linarin from <i>Flos chrysanthemi indic</i> by response surface methodology and artificial neural network. <b>2017</b> , 40, 2062-2070	9
1114	Optimization of tensile properties of injection molded $\beta$ -nucleated polypropylene using response surface methodology. <b>2017</b> , 60, 198-210	8
1113	Modified dispersive solid-liquid microextraction coupled to HPLC and application of experimental design methodology to determine the trace amount of levothyroxine in human real samples. <b>2017</b> , 133, 417-422	3
1112	Design of experiments for microencapsulation applications: A review. <b>2017</b> , 77, 1327-1340	113
1111	High-performance liquid chromatographic determination of multi-mycotoxin in cereals and bean foodstuffs using interference-removal solid-phase extraction combined with optimized dispersive liquid-liquid microextraction. <b>2017</b> , 40, 2141-2150	20
1110	Microstructures and mechanical properties of friction stir welded dissimilar steel-copper joints. <b>2017</b> , 31, 1135-1142	45
1109	Tailor-made hydrophobic deep eutectic solvents for cleaner extraction of polyphenyl acetates from <i>Ginkgo biloba</i> leaves. <b>2017</b> , 152, 399-405	89
1108	Modeling and optimization of synthesis parameters in nanostructure $\text{La}_{1-x}\text{BaxNi}_3\text{Cu}_y\text{O}_3$ catalysts used in the reforming of methane with $\text{CO}_2$ . <b>2017</b> , 74, 187-195	3

1107	Modeling and optimization of Direct Red 16 adsorption from aqueous solutions using nanocomposite of MnFe <sub>2</sub> O <sub>4</sub> /MWCNTs: RSM-CCRD model. <b>2017</b> , 233, 370-377	34
1106	Electrocoagulation process for the post-treatment of anaerobically treated urban wastewater. <b>2017</b> , 52, 1412-1422	19
1105	Process optimization and kinetics for leaching of cerium, lanthanum and neodymium elements from iron ore waste's apatite by nitric acid. <b>2017</b> , 27, 420-428	18
1104	Ultrasound-promoted dispersive micro solid-phase extraction of trace anti-hypertensive drugs from biological matrices using a sonochemically synthesized conductive polymer nanocomposite. <b>2017</b> , 39, 12-24	34
1103	Simultaneous optimisation of extraction of xanthone and benzophenone $\beta$ -glucosidase inhibitors from <i>Cyclopia genistoides</i> and identification of superior genotypes for propagation. <b>2017</b> , 33, 21-31	19
1102	Optimization of inulin:Oligofructose proportion and non-thermal processing to enhance microbiological and sensory properties of fiber-enriched strawberry juice. <b>2017</b> , 80, 446-455	21
1101	An improved method for extraction of nutraceutically important polyphenolics from <i>Berberis jaeschkeana</i> C.K. Schneid. fruits. <b>2017</b> , 230, 657-666	34
1100	The Supercritical carbon dioxide extraction of $\beta$ , $\beta$ lipids and $\beta$ itosterol from Italian walnuts: a central composite design approach. <b>2017</b> , 127, 223-228	7
1099	Optimizing subcritical water extraction of <i>Morus nigra</i> L. fruits for maximization of tyrosinase inhibitory activity. <b>2017</b> , 127, 15-22	23
1098	Application and optimization of the highly efficient and environmentally-friendly microwave-intensified lactic acid demineralization of deproteinized Rock lobster shells ( <i>Jasus edwardsii</i> ) for chitin production. <b>2017</b> , 102, 367-374	9
1097	Experimental investigation of process parameters on layer thickness and density in direct metal laser sintering: a response surface methodology approach. <b>2017</b> , 12, 133-140	35
1096	Optimization of wet denitration by dual oxidant (H <sub>2</sub> O <sub>2</sub> /S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> ) advanced oxidation process. <b>2017</b> , 156, 82-89	14
1095	Response Surface Methodology Approach for Optimization of Extrusion Process of Production of Poly (Hydroxyl Butyrate-Co-Hydroxyvalerate) /Tapioca Starch Blends. <b>2017</b> , 13,	0
1094	A systematic approach to the synthesis of LDH nanoparticles by response surface methodology. <b>2017</b> , 137, 151-159	12
1093	Optimization of copper removal from aqueous solutions in a continuous electrochemical cell divided by cellulosic separator. <b>2017</b> , 75, 1233-1242	3
1092	Nontoxic oil preparation from <i>Jatropha curcas</i> L. seeds by an optimized methanol/n-hexane sequential extraction method. <b>2017</b> , 97, 308-315	4
1091	Electro-Fenton oxidation of coking wastewater: optimization using the combination of central composite design and convex optimization method. <b>2017</b> , 38, 2456-2464	6
1090	Accelerated solvent extraction of phenolic compounds exploiting a Box-Behnken design and quantification of five flavonoids by HPLC-DAD in <i>Passiflora</i> species. <b>2017</b> , 132, 28-35	68

1089	n-Heptane isomerization over molybdenum supported on bicontinuous concentric lamellar silica KCC-1: Influence of phosphorus and optimization using response surface methodology (RSM). <b>2017</b> , 314, 650-659		46
1088	Application of response surface methodology for air assisted-dispersive liquid- liquid microextraction of deoxynivalenol in rice samples prior to HPLC-DAD analysis and comparison with solid phase extraction cleanup. <i>Talanta</i> , <b>2017</b> , 165, 27-32	6.2	31
1087	Remediation and Restoration of Petroleum Hydrocarbon Containing Alcohol-Contaminated Soil by Persulfate Oxidation Activated with Soil Minerals. <b>2017</b> , 228, 1		12
1086	Assessment of water degumming and acid degumming of mixed algal oil. <b>2017</b> , 5, 5115-5123		19
1085	Preparation of zeolite-based zirconium functional materials (Ze-Zr) with the aid of response surface methodology. <b>2017</b> , 112, 353-361		3
1084	Optimization of biogenic methane production from coal. <b>2017</b> , 183, 14-24		11
1083	Manganese (II) Removal from Aqueous Solutions by <i>Bacillus cereus</i> : an Optimization Study Using Experimental Design and Response Surface Methodology. <b>2017</b> , 228, 1		2
1082	Optimization and evaluation of zein nanoparticles to improve the oral delivery of glibenclamide. In vivo study using <i>C. elegans</i> . <b>2017</b> , 121, 104-112		35
1081	Removal of humic acid by fixed-bed electrocoagulation reactor: Studies on modelling, adsorption kinetics and HPSEC analyses. <b>2017</b> , 804, 199-211		18
1080	Recovery of metal values from copper slag and reuse of residual secondary slag. <b>2017</b> , 70, 272-281		59
1079	Standardization of extract mixture of <i>Chaenomeles sinensis</i> and <i>Phyllostachys bambusoides</i> for anti-obesity by HPLC-UV. <b>2017</b> , 40, 1156-1165		5
1078	A new experimental and modeling strategy to determine asphaltene precipitation in crude oil. <b>2017</b> , 128, 162-173		10
1077	Electrochemical Determination of the Serotonin Reuptake Inhibitor, Dapoxetine, Using Cesium-Gold Nanoparticles. <b>2017</b> , 2, 6628-6635		17
1076	Supercritical Fluid Extraction of Bioactive Compounds from Fruits and Vegetables. <b>2017</b> , 749-762		
1075	A simple method for extraction and purification of pedunculoside from the dried barks of <i>Ilex rotunda</i> and its inhibitory effect on pancreatic lipase in vitro. <b>2017</b> , 52, 2878-2887		3
1074	Optimization of mechanical and tribological properties of anodized 5754 aluminium alloy. <b>2017</b> , 53, 371-382		7
1073	Stable poly (ionic liquid) with unique crosslinked microsphere structure as efficient catalyst for transesterification of soapberry oil to biodiesel. <b>2017</b> , 153, 649-658		31
1072	Developing a highly sensitive electrochemical sensor using thiourea-imprinted polymers based on an MWCNT modified carbon ceramic electrode. <b>2017</b> , 802, 139-146		16

1071	CO <sub>2</sub> reforming with methane for syngas production using a dielectric barrier discharge plasma coupled with Ni/Al <sub>2</sub> O <sub>3</sub> catalysts: Process optimization through response surface methodology. <b>2017</b> , 21, 314-326	58
1070	Hydrothermal carbonization of coffee husk: Optimization of experimental parameters and adsorption of methylene blue dye. <b>2017</b> , 5, 4841-4849	54
1069	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. <b>2017</b> , 150, 222-241	69
1068	One-pot synthesis of a reduced graphene oxideâZnO nanorod composite and dye decolorization modeling. <b>2017</b> , 80, 439-451	13
1067	Performance optimization of diesel engine fueled with dieselâJatropha curcas biodiesel blend using response surface methodology. <b>2017</b> , 31, 4051-4059	18
1066	Chemometrics optimization for simultaneous adsorptive removal of ternary mixture of Cu(II), Cd(II), and Pb(II) by Fraxinus tree leaves. <b>2017</b> , 31, e2935	6
1065	Clean technology and response surface approach for the photodegradation of selected antibiotics by catalyst supported on pine activated carbon. <b>2017</b> , 19, 2191-2213	10
1064	Extraction, preconcentration, and determination of methylphenidate in urine sample using solvent bar microextraction in combination with HPLCâUV: Optimization by experimental design. <b>2017</b> , 40, 806-812	14
1063	Melamine-based dendrimer amine-modified magnetic nanoparticles as an efficient Pb(II) adsorbent for wastewater treatment: Adsorption optimization by response surface methodology. <b>2017</b> , 189, 291-300	41
1062	Enhancing taxol production in a novel endophytic fungus, <i>Aspergillus aculeatinus</i> Tax-6, isolated from <i>Taxus chinensis</i> var. <i>mairei</i> . <b>2017</b> , 121, 1037-1044	36
1061	Optimization of microwave digestion and inductively coupled plasma-based methods to characterize cassava, corn and wheat flours using chemometrics. <b>2017</b> , 135, 190-198	16
1060	Experimental design and response surface methodology in energy applications: A tutorial review. <b>2017</b> , 151, 630-640	143
1059	Evaluation and Analysis of Flow over Arced Weirs Using Traditional and Response Surface Methodologies. <b>2017</b> , 143, 04017048	17
1058	Optimization of pH-responsive carboxymethylated iota -carrageenan/chitosan nanoparticles for oral insulin delivery using response surface methodology. <b>2017</b> , 119, 145-155	19
1057	Nanostructured metalâorganic frameworks, TMU-4, TMU-5, and TMU-6, as novel adsorbents for solid phase microextraction of polycyclic aromatic hydrocarbons. <b>2017</b> , 41, 12035-12043	22
1056	Synthesis and statistical modelling of dry sliding wear of Al 8011/6 vol.% AlB <sub>2</sub> in situ composite. <b>2017</b> , 4, 106514	6
1055	A review of probabilistic techniques: towards developing a probabilistic lifetime methodology in the creep regime. <b>2017</b> , 34, 333-341	11
1054	Response surface methodology as a tool for modelling galacto-oligosaccharide production. <b>2017</b> , 84, 464-470	4

1053	Leaching of zinc from a lead-zinc flotation tailing sample using ferric sulphate and sulfuric acid media. <b>2017</b> , 5, 4769-4775	25
1052	Nano-cerium oxide functionalized biochar for phosphate retention: preparation, optimization and rice paddy application. <b>2017</b> , 185, 816-825	55
1051	Application of Response Surface Methods To Determine Conditions for Optimal Genomic Prediction. <b>2017</b> , 7, 3103-3113	4
1050	Modeling of organic solar cell using response surface methodology. <b>2017</b> , 7, 2232-2241	5
1049	Process Simulation and Control for Continuous Pharmaceutical Manufacturing of Solid Drug Products. <b>2017</b> , 33-105	4
1048	Optimization with Response Surface Methodology of biosorption conditions of Hg(II) ions from aqueous media by Polyporus Squamosus fungi as a new biosorbent. <b>2017</b> , 43, 37-43	11
1047	Polyethylenimine-coated polysulfone/bacterial biomass composite fiber as a biosorbent for the removal of anionic dyes: Optimization of manufacturing conditions using response surface methodology. <b>2017</b> , 34, 2519-2526	9
1046	Liquid Phase Hydrogenolysis of Glycerol over Highly Active 50%CuâZn(8:2)/MgO Catalyst: Reaction Parameter Optimization by Using Response Surface Methodology. <b>2017</b> , 31, 8521-8533	14
1045	Comparison of two microextraction methods based on solidification of floating organic droplet for the determination of multiclass analytes in river water samples by liquid chromatography tandem mass spectrometry using Central Composite Design. <b>2017</b> , 1513, 157-171	19
1044	Monitoring leachables from single-use bioreactor bags for mammalian cell culture by dispersive liquid-liquid microextraction followed by ultra high performance liquid chromatography quadrupole time of flight mass spectrometry. <b>2017</b> , 1512, 51-60	12
1043	Optimisation of protein-fortified beef patties targeted to the needs of older adults: a mixture design approach. <b>2017</b> , 134, 111-118	16
1042	Prospect of castor oil biodiesel in Bangladesh: Process development and optimization study. <b>2017</b> , 14, 1063-1072	11
1041	Adsorptive removal of phosphate using nano cobalt hydroxide as a sorbent from aqueous solution; multivariate optimization and adsorption characterization. <b>2017</b> , 725, 1006-1017	26
1040	Statistical analysis of E-jet print parameter effects on Ag-nanoparticle ink droplet size. <b>2017</b> , 27, 095005	6
1039	Kriging with trend functions nonlinear in their parameters: Theory and application in enzyme kinetics. <b>2017</b> , 17, 916-922	6
1038	Optimization of carotenoids and antioxidant activity of oils obtained from a co-extraction of citrus (Yuzu ichandrin) by-products using supercritical carbon dioxide. <b>2017</b> , 106, 1-7	33
1037	Methanolysis of epoxidized soybean oil in continuous flow conditions. <b>2017</b> , 109, 1-7	7
1036	Design of experiments in liquid chromatography (HPLC) analysis of pharmaceuticals: analytics, applications, implications and future prospects. <b>2017</b> , 36,	9



1035	Formulation, Characterization and Stability Assessment of a Food-Derived Tripeptide, Leucine-Lysine-Proline Loaded Chitosan Nanoparticles. <b>2017</b> , 82, 2094-2104	5
1034	Extraction and consecutive purification of anthocyanins from grape pomace using ionic liquid solutions. <b>2017</b> , 451, 68-78	43
1033	Benzene-contaminated groundwater remediation using calcium peroxide nanoparticles: synthesis and process optimization. <b>2017</b> , 189, 452	32
1032	Enhanced biobutanol production with high yield from crude glycerol by acetone uncoupled <i>Clostridium</i> sp. strain CT7. <b>2017</b> , 244, 575-581	22
1031	Plant Bioinformatics. <b>2017</b> ,	2
1030	Optimization of ultrasound-assisted extraction of bioactive alkaloids from <i>Stephania cambodica</i> using response surface methodology. <b>2017</b> , 20, 996-1005	8
1029	Novel chitosan-functionalized samarium-doped cobalt ferrite for adsorptive removal of anionic dye from aqueous solutions. <b>2017</b> , 20, 1026-1036	12
1028	Deciphering the Effects of Microbiome on Plants Using Computational Methods. <b>2017</b> , 329-345	
1027	Plant Phenolics Extraction from <i>Flos Chrysanthemi</i> : Response Surface Methodology Based Optimization and the Correlation Between Extracts and Free Radical Scavenging Activity. <b>2017</b> , 82, 2726-2733	12
1026	Development of Carbotrap B-packed needle trap device for determination of volatile organic compounds in air. <b>2017</b> , 1527, 33-42	23
1025	A novel approach to accelerate bacterially induced calcium carbonate precipitation using oxygen releasing compounds (ORCs). <b>2017</b> , 12, 299-307	20
1024	Multi-objective optimization of a Stairmand cyclone separator using response surface methodology and computational fluid dynamics. <b>2017</b> , 320, 51-65	51
1023	Immobilization of <i>Rhizomucor miehei</i> lipase on a polymeric film for synthesis of important fatty acid esters: kinetics and application studies. <b>2017</b> , 40, 1463-1478	20
1022	Improved 1,3-propanediol production with maintained physical conditions and optimized media composition: Validation with statistical and neural approach. <b>2017</b> , 126, 109-117	11
1021	Enhanced methane production of vinegar residue by response surface methodology (RSM). <b>2017</b> , 7, 89	25
1020	Covalent immobilization of $\alpha$ -amylase onto functionalized molybdenum sulfide nanosheets, its kinetics and stability studies: A gateway to boost enzyme application. <b>2017</b> , 328, 215-227	60
1019	An optimized HPLC-UV method for quantitatively determining sesquiterpenes in <i>Nardostachys Radix et Rhizoma</i> . <b>2017</b> , 145, 406-413	7
1018	Impact of operating parameters on CO <sub>2</sub> capture using carbon monolith by Electrical Swing Adsorption technology (ESA). <b>2017</b> , 327, 441-453	27

1017	Adsorption of gold from cyanide leaching solution onto activated carbon originating from coconut shellâOptimization, kinetics and equilibrium studies. <b>2017</b> , 54, 464-471	49
1016	A novel Fe(II)/citrate/UV/peroxymonosulfate process for micropollutant degradation: Optimization by response surface methodology and effects of water matrices. <b>2017</b> , 184, 417-428	19
1015	Energy saving of a hydrostatic drive system by incorporating soft switch. <b>2017</b> , 39, 1929-1945	9
1014	Effects of temperature, time, and solvent ratio on the extraction of phenolic compounds and the anti-radical activity of Clinacanthus nutans Lindau leaves by response surface methodology. <b>2017</b> , 11, 54	59
1013	Optimization of a direct-acting pressure regulator for irrigation systems based on CFD simulation and response surface methodology. <b>2017</b> , 35, 383-395	3
1012	Recovery of phenolic compounds of food concern from Arthrospira platensis by green extraction techniques. <b>2017</b> , 25, 391-401	23
1011	Multi-objective optimization of the design and operation for snow-melting pavement with electric heating pipes. <b>2017</b> , 122, 359-367	19
1010	Evaluation of solvent systems for optimized extractables studies of single use bioprocessing solutions. <b>2017</b> , 1513, 69-77	13
1009	Influence of the mobile phase and molecular structure parameters on the retention behavior of protonated basic solutes in chaotropic chromatography. <b>2017</b> , 1511, 68-76	2
1008	Application of Box-Behnken designs in parameters optimization of differential pulse anodic stripping voltammetry for lead(II) determination in two electrolytes. <b>2017</b> , 7, 2789	13
1007	Optimization of ultrasonic-assisted extraction via multiresponse surface for high antioxidant recovery from Chlorella vulgaris (Chlorophyta). <b>2017</b> , 56, 561-569	8
1006	Evaluation of the Effects of Copper Electroplating Parameters on the Adhesion Using Response Surface Methodology. <b>2017</b> , 864, 121-126	2
1005	Association between F508 deletion in CFTR and chronic pancreatitis risk. <b>2017</b> , 49, 967-972	1
1004	Response surface methodology optimization of adsorptive desulfurization on nickel/activated carbon. <b>2017</b> , 313, 993-1003	178
1003	Carbonaceous sorbents alongside an optimized magnetic solid phase extraction (MSPE) towards enrichment of crude Paclitaxel extracts from callus cultures of Taxus baccata. <b>2017</b> , 1043, 96-106	9
1002	Analysis of naphthenic acid mixtures as pentafluorobenzyl derivatives by gas chromatography-electron impact mass spectrometry. <i>Talanta</i> , <b>2017</b> , 162, 440-452	6.2 13
1001	Optimization of ultrasound-assisted aqueous two-phase system extraction of polyphenolic compounds from Aronia melanocarpa pomace by response surface methodology. <b>2017</b> , 47, 312-321	19
1000	The effects of ultrasound assisted extraction on antioxidative activity of polyphenolics obtained from Momordica charantia fruit using response surface approach. <b>2017</b> , 17, 7-16	19

999	Determination of enantiomeric vigabatrin by derivatization with diacetyl-l-tartaric anhydride followed by ultra-high performance liquid chromatography-quadrupole-time-of-flight mass spectrometry. <b>2017</b> , 1040, 199-207	14
998	The Factors Optimization on Georeferencing Analogue Maps. <b>2017</b> , 42, 2471-2478	2
997	Photocatalytic degradation of diazinon under visible light using TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> nanocomposite synthesized by ultrasonic-assisted impregnation method. <b>2017</b> , 175, 418-427	92
996	The response surface optimization of steryl glucosides removal in palm biodiesel using silica adsorption. <b>2017</b> , 191, 1-9	13
995	A nested-ANN prediction model for surface roughness considering the effects of cutting forces and tool vibrations. <b>2017</b> , 98, 25-34	30
994	Psidium guajava L. leaves as source of proanthocyanidins: Optimization of the extraction method by RSM and study of the degree of polymerization by NP-HPLC-FLD-ESI-MS. <b>2017</b> , 133, 1-7	15
993	Antioxidant activity of deodorizer distillate fractions in rapeseed oil. <b>2017</b> , 119, 1600273	3
992	Rapid oxidation of dibenzothiophene in model fuel under ultrasound irradiation. <b>2017</b> , 148, 387-396	26
991	Two-step process for production of methyl ester from rubber seed oil using barium hydroxide octahydrate catalyst: Process optimization. <b>2017</b> , 142, 3490-3499	21
990	Optimization of Satureja montana subcritical water extraction process and chemical characterization of volatile fraction of extracts. <b>2017</b> , 120, 86-94	33
989	Application of response surface methodology for optimization of trace amount of diazinon preconcentration in natural waters and biological samples by carbon mesoporous CMK-3. <b>2017</b> , 31, e3874	7
988	Development of the ultrasonic conditions as an advanced technique for extraction of phenolic compounds from Eucalyptus robusta. <b>2017</b> , 52, 100-112	8
987	Catechin-based extract optimization obtained from Arbutus unedo L. fruits using maceration/microwave/ultrasound extraction techniques. <b>2017</b> , 95, 404-415	72
986	Enhanced recovery of valuable metals from spent lithium-ion batteries through optimization of organic acids produced by Aspergillus niger. <b>2017</b> , 60, 666-679	121
985	Pectin from carrot pomace: Optimization of extraction and physicochemical properties. <b>2017</b> , 157, 1315-1322	93
984	Electromembrane-microextraction of bismuth in pharmaceutical and human plasma samples: optimization using response surface methodology. <b>2017</b> , 130, 71-78	17
983	Discrimination of Eugenia uniflora L. biotypes based on volatile compounds in leaves using HS-SPME/GC-MS and chemometric analysis. <b>2017</b> , 130, 79-87	36
982	Iron-encapsulated cold-set whey protein isolate gel powder â Part 1: Optimisation of preparation conditions and in vitro evaluation. <b>2017</b> , 70, 127-136	5

981	Detailed parametric design methodology for hydrodynamics of liquidâSolid circulating fluidized bed using design of experiments. <b>2017</b> , 31, 59-68	10
980	Photoproduction of glyoxylic acid in model wine: Impact of sulfur dioxide, caffeic acid, pH and temperature. <b>2017</b> , 215, 292-300	8
979	Optimization of the Production of Dietary Fiber Concentrates from By-Products of Papaya (Carica papaya L. Var. Formosa) with Microwave Assistance. Evaluation of Its Physicochemical and Functional Characteristics. <b>2017</b> , 41, e13071	9
978	Grooves into cylindrical shapes by wire electrochemical machining. <b>2017</b> , 90, 445-455	6
977	Modeling and Optimization of Defluoridation by Calcined Ca-Al-(NO <sub>3</sub> )-LDH Using Response Surface Methodology and Artificial Neural Network Combined with Experimental Design. <b>2017</b> , 21, 04016024	6
976	Optimization of Extraction Parameters of Protein Isolate from Tomato Seed Using Response Surface Methodology. <b>2017</b> , 10, 809-819	40
975	Microwave-Assisted Digestion Using Diluted Nitric Acid for Multi-element Determination in Rice by ICP OES and ICP-MS. <b>2017</b> , 10, 1007-1015	35
974	Growth of microalgae Botryococcus sp. in domestic wastewater and application of statistical analysis for the optimization of flocculation using alum and chitosan. <b>2017</b> , 47, 333-341	16
973	Thermodynamics and kinetics study of defluoridation using Ca-SiO <sub>2</sub> -TiO <sub>2</sub> as adsorbent: Column studies and statistical approach. <b>2017</b> , 34, 179-188	4
972	A novel enzymatic approach based on the use of multi-enzymatic systems for the recovery of enriched protein extracts from potato pulp. <b>2017</b> , 220, 313-323	16
971	Removal of molybdate anions from contaminated waters by brown algae biomass in batch and continuous processes. <b>2017</b> , 92, 1298-1305	7
970	Investigation by response surface methodology of the combined effect of pH and composition of water-methanol mixtures on the stability of curcuminoids. <b>2017</b> , 219, 414-418	13
969	Intensification of oxidative desulfurization of gas oil by ultrasound irradiation: Optimization using BoxâBehnken design (BBD). <b>2017</b> , 111, 1158-1170	55
968	Integrated model for the prediction of cleaning profiles inside an automatic dishwasher. <b>2017</b> , 196, 101-112	3
967	Process Optimization of Chanterelle (Cantharellus cibarius) Mushrooms Vacuum Drying. <b>2017</b> , 41, e12822	5
966	Design of experiments for optimization a biodegradable adhesive based on ramon starch ( Brosimum alicastrum Sw. ). <b>2017</b> , 73, 28-37	2
965	Optimization of ultrasound-assisted antioxidant compounds extraction from germinated chickpea using response surface methodology. <b>2017</b> , 77, 208-216	36
964	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> @EDTA nanoparticles as an efficient adsorbent for simultaneous removal of Ag(I), Hg(II), Mn(II), Zn(II), Pb(II) and Cd(II) from water and soil environmental samples. <b>2017</b> , 131, 51-56	94

963	Polysaccharides from macroalgae: Recent advances, innovative technologies and challenges in extraction and purification. <b>2017</b> , 99, 1011-1020	158
962	Microwave-assisted aqueous two-phase extraction coupled with high performance liquid chromatography for simultaneous extraction and determination of four flavonoids in <i>Crotalaria sessiliflora</i> L.. <b>2017</b> , 95, 632-642	39
961	Optimization of a cloud point extraction procedure with response surface methodology for the quantification of dissolved iron in produced water from the petroleum industry using FAAS. <b>2017</b> , 114, 786-791	13
960	Solid-liquid and high-pressure (liquid and supercritical carbon dioxide) extraction of <i>Echinacea purpurea</i> L.. <b>2017</b> , 119, 159-168	13
959	A comparative study on the removal efficiency of metal ions (Cu <sup>2+</sup> , Ni <sup>2+</sup> , and Pb <sup>2+</sup> ) using sugarcane bagasse-derived ZnCl <sub>2</sub> -activated carbon by the response surface methodology. <b>2017</b> , 35, 72-85	65
958	Optimization study of SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> supported bifunctional acidâbase NiO-CaO for renewable fuel production using response surface methodology. <b>2017</b> , 141, 325-338	29
957	Optimization of operating parameters and kinetics for chloride leaching of lead from melting furnace slag. <b>2017</b> , 27, 2704-2714	18
956	Prediction of diameter in blended nanofibers of polycaprolactone-gelatin using ANN and RSM. <b>2017</b> , 18, 2368-2378	9
955	Impact of extraction conditions on bergapten content and antimicrobial activity of oils obtained by a co-extraction of citrus by-products using supercritical carbon dioxide. <b>2017</b> , 22, 586-596	5
954	Study of Concrete having Industrial Waste as Fine Aggregate Replacement and Generation of Model for Prediction of Compressive Strength Using Response Surface Method. <b>2017</b> , 4, 9727-9731	3
953	Using experimental design for the screening and optimization of key factors on silica particles adsorption using magnetic nanoparticles â a case study of chemical mechanical polishing wastewater treatment. <b>2017</b> , 12, 647-659	2
952	Conversion of rice husk into fermentable sugar by two stage hydrolysis. <b>2017</b> , 908, 012056	4
951	Optimization of laccase production and its application in delignification of biomass. <b>2017</b> , 6, 351-365	35
950	Antimicrobial activity optimization of nisin, ascorbic acid and ethylenediamine tetraacetic acid disodium salt (EDTA) against <i>Salmonella Enteritidis</i> ATCC 13076 using response surface methodology. <b>2017</b> , 51, 355-364	7
949	The research on the response surface-geometric feature charge simulation method. <b>2017</b> ,	
948	An experimental design approach for optimization of spectrophotometric method for estimation of cefixime trihydrate using ninhydrin as derivatizing reagent in bulk and pharmaceutical formulation. <b>2017</b> , 21, S101-S111	19
947	Application of experimental design and response surface technique for selecting the optimum RP-HPLC conditions for the determination of moxifloxacin HCl and ketorolac tromethamine in eye drops. <b>2017</b> , 21, S373-S382	17
946	. <b>2017</b> ,	25

945	Optimisation of Process Parameters for Supercritical Carbon Dioxide Extraction of Oil from Gac Seed Kernel Powder. <b>2017</b> , 13, 170-177	2
944	Ultrasonic extraction optimization of stigmasterol using response surface methodology and quantification by high-performance thin-layer chromatography from <i>Tecomella undulata</i> bark. <b>2017</b> , 30, 36-42	1
943	Optimization of a Decoction Process for an Herbal Formula Using a Response Surface Methodology. <b>2017</b> , 100, 1776-1784	1
942	Process Optimization of Large-Size Bamboo Bundle Laminated Veneer Lumber (BLVL) by Box-Behnken Design. <b>2017</b> , 13,	
941	Tailored nanostructured platforms for boosting transcorneal permeation: Box-Behnken statistical optimization, comprehensive in vitro, ex vivo and in vivo characterization. <b>2017</b> , 12, 7947-7962	18
940	Nutritionâ€”Nutrient delivery. <b>2017</b> , 1-42	4
939	Process Optimization of Biodiesel Production for Mixed Neem ( <i>Azadirachta indica</i> ) and Sesame ( <i>Sesamum indicum</i> L.) Biodiesel Using Response Surface Methodology Based on Doehlertâ€”Experimental Design. <b>2017</b> ,	1
938	Ultrasound-Assisted Extraction and Identification of Natural Antioxidants from the Fruit of <i>Melastoma sanguineum</i> Sims. <b>2017</b> , 22,	29
937	Cell-Free Production of Pentacyclic Triterpenoid Compound Betulinic Acid from Betulin by the Engineered <i>Saccharomyces cerevisiae</i> . <b>2017</b> , 22,	9
936	Optimization of the Extraction Conditions for <i>Buddleja officinalis</i> Maxim. Using Response Surface Methodology and Exploration of the Optimum Harvest Time. <b>2017</b> , 22,	5
935	Optimization of Lactoperoxidase and Lactoferrin Separation on an Ion-Exchange Chromatography Step. <b>2017</b> , 4, 10	8
934	Making Fe <sub>0</sub> -Based Filters a Universal Solution for Safe Drinking Water Provision. <b>2017</b> , 9, 1224	43
933	Selection of a design for response surface. <b>2017</b> , 263, 022043	17
932	The Effect of Cell Immobilization by Calcium Alginate on Bacterially Induced Calcium Carbonate Precipitation. <b>2017</b> , 3, 57	24
931	Optimization of Subcritical Water Extraction of Polysaccharides from <i>Inonotus Obliquus</i> and their Antioxidant Activities. <b>2017</b> , 9, 38	3
930	The Application of Supercritical Carbon Dioxide and Ethanol for the Extraction of Phenolic Compounds from Chokeberry Pomace. <b>2017</b> , 7, 322	16
929	Response Surface Methodology Control Rod Position Optimization of a Pressurized Water Reactor Core Considering Both High Safety and Low Energy Dissipation. <b>2017</b> , 19, 63	1
928	Optimization of Polyplex Formation between DNA Oligonucleotide and Poly(L-Lysine): Experimental Study and Modeling Approach. <b>2017</b> , 18,	14

927	Physicochemical Changes of Cocoa Beans during Roasting Process. <b>2017</b> , 2017, 1-11	11
926	Determination of 2-Propenal Using Headspace Solid-Phase Microextraction Coupled to Gas Chromatography- $\mu$ Time-of-Flight Mass Spectrometry as a Marker for Authentication of Unrefined Sesame Oil. <b>2017</b> , 2017, 1-12	5
925	Optimization of Extract Method for Rupr. by Response Surface Methodology. <b>2017</b> , 2017, 6153802	9
924	Development and Validation of a HPLC-UV Method for the Evaluation of Ellagic Acid in Liquid Extracts of L. (Myrtaceae) Leaves and Its Ultrasound-Assisted Extraction Optimization. <b>2017</b> , 2017, 1501038	12
923	Experimental Optimization and Modeling of Sodium Sulfide Production from H <sub>2</sub> S-Rich Off-Gas via Response Surface Methodology and Artificial Neural Network. <b>2017</b> , 72, 9	8
922	Optimization for the Simultaneous Determination of Zinc in Environmental Samples With Calcon by Adsorptive Stripping Voltammetry : Response Surface Methodology. <b>2017</b> , 33, 2060-2070	2
921	Enhanced oral bioavailability of valsartan using a polymer-based supersaturable self-microemulsifying drug delivery system. <b>2017</b> , 12, 3533-3545	36
920	Optimization of the photoelectrocatalytic oxidation of landfill leachate using copper and nitrate co-doped TiO <sub>2</sub> (Ti) by response surface methodology. <b>2017</b> , 12, e0171234	10
919	A two-step approach for fluidized bed granulation in pharmaceutical processing: Assessing different models for design and control. <b>2017</b> , 12, e0180209	11
918	Isolation of Dihydroartemisinin Acid from <i>Artemisia annua</i> L. By-Product by Combining Ultrasound-Assisted Extraction with Response Surface Methodology. <b>2017</b> , 65, 746-753	3
917	Evaluation of Direct Esterification of Fatty Acid Derivative of Kojic Acid in Co-solvent System: A Statistical Approach. <b>2017</b> , 08,	3
916	Application of two-level full factorial design and response surface methodology in the optimization of inductively coupled plasma-optical emission spectrometry (ICPOES) instrumental parameters for the determination of platinum. <b>2017</b> , 9, 43-53	1
915	Process Development for Enhanced 2,3-Butanediol Production by <i>Paenibacillus polymyxa</i> DSM 365. <b>2017</b> , 3, 18	19
914	Comparison and Optimization of solvent extraction and microwave assisted extraction of phenolic compounds from spent coffee grounds.. <b>2017</b> ,	1
913	Shape optimization for otter board using computational fluid dynamics analysis and response surface methodology. <b>2017</b> , 83, 950-960	5
912	Direct Analysis of Six Pharmaceuticals using Online Solid Phase Extraction Liquid Chromatography. <b>2017</b> , 14, 517-525	1
911	Statistical Optimization for Biobutanol Production by <i>Clostridium acetobutylicum</i> ATCC 824 from Oil Palm Frond (OPF) Juice Using Response Surface Methodology. <b>2017</b> , 111, 03001	1
910	Enhanced butanol production by optimization of medium parameters using YM1. <b>2018</b> , 25, 1308-1321	30



909	Optimizing a sustainable ultrasound-assisted extraction method for the recovery of polyphenols from lemon by-products: comparison with hot water and organic solvent extractions. <b>2018</b> , 244, 1353-1365	28
908	Extraction optimization and UHPLC method development for determination of the 20-hydroxyecdysone in <i>Sida tuberculata</i> leaves. <b>2018</b> , 132, 33-39	11
907	3D printed device for the automated preconcentration and determination of chromium (VI). <i>Talanta</i> , <b>2018</b> , 184, 15-22	6.2 38
906	Modeling and multi-objective optimization of vacuum membrane distillation for enhancement of water productivity and thermal efficiency in desalination. <b>2018</b> , 132, 697-713	13
905	Enhanced extraction of phenolic compounds using choline chloride based deep eutectic solvents from <i>Juglans regia</i> L.. <b>2018</b> , 115, 261-271	61
904	Modelling of dye adsorption from aqueous solution on polyaniline/carboxymethyl cellulose/TiO <sub>2</sub> nanocomposites. <b>2018</b> , 519, 154-173	74
903	Optimized formulation of NiFe <sub>2</sub> O <sub>4</sub> @Ca-alginate composite as a selective and magnetic adsorbent for cationic dyes: Experimental and modeling study. <b>2018</b> , 125, 57-69	12
902	Biodiesel Production from Recycled Grease Trap Waste: A Case Study in South Australia. Part 1: The Pre-Treatment of High Free Fatty Acid Feedstock. <b>2018</b> , 3, 2509-2514	5
901	Optimization of reactions between reducing sugars and 1-phenyl-3-methyl-5-pyrazolone (PMP) by response surface methodology. <b>2018</b> , 254, 158-164	31
900	Evaluation of on-line concentration coupled to liquid chromatography tandem mass spectrometry for the quantification of neonicotinoids and fipronil in surface water and tap water. <b>2018</b> , 410, 2765-2779	37
899	Optimizing parameters affecting synthesis of CuBTC using response surface methodology and development of AC@CuBTC composite for enhanced hydrogen uptake. <b>2018</b> , 43, 6654-6665	10
898	A sensitive and simple modified zeolitic carbon paste electrode for indirect voltammetric determination of nitrate. <b>2018</b> , 24, 2135-2145	21
897	Determination of homogentisic acid in urine for diagnosis of alcaptonuria: Capillary electrophoretic method optimization using experimental design. <b>2018</b> , 32, e4216	2
896	Response surface methodology as a tool for modeling and optimization of <i>Bacillus subtilis</i> spores inactivation by UV/ nano-Fe process for safe water production. <b>2018</b> , 114, 334-345	19
895	Integrated combined effects of temperature, pH and sodium chloride concentration on biofilm formation by <i>Salmonella enterica</i> ser. Enteritidis and Typhimurium under low nutrient food-related conditions. <b>2018</b> , 107, 10-18	17
894	Electrochemical sensor for ultrasensitive determination of ceftazidime using hollow platinum nanoparticles/reduced graphene oxide/pencil graphite electrode. <b>2018</b> , 72, 1935-1944	7
893	QbD approach by computer aided design and response surface methodology for molecularly imprinted polymer based on magnetic halloysite nanotubes for extraction of norfloxacin from real samples. <i>Talanta</i> , <b>2018</b> , 184, 266-276	6.2 32
892	Optimization of biodegradable PEG/PLGA nanofiber mats electrospinning process for anti-adhesion application. <b>2018</b> , 135, 46282	7

891	Investigation of the effect of foaming process parameters on expanded thermoplastic polyurethane bead foams properties using response surface methodology. <b>2018</b> , 135, 46327	17
890	Kinetic modeling and optimization of sunflower oil methanolysis catalyzed by spherically-shaped CaO/Al <sub>2</sub> O <sub>3</sub> catalyst. <b>2018</b> , 163, 122-133	17
889	Volatile profile of monofloral honeys produced in Brazilian semiarid region by stingless bees and key volatile compounds. <b>2018</b> , 94, 198-207	16
888	Application of Central Composite Design to Optimize Culture Conditions of <i>Chlorella vulgaris</i> in a Batch Photobioreactor: An Efficient Modeling Approach. <b>2018</b> , 13,	5
887	Optimization and modeling of CO <sub>2</sub> photoconversion using a response surface methodology with porphyrin-based metal organic framework. <b>2018</b> , 125, 411-431	9
886	Effect of multifactors interaction on competitive adsorption of Zn <sup>2+</sup> and Cd <sup>2+</sup> by response surface methodology. <b>2018</b> , 77, 1	4
885	Pectin extraction from citron peel: optimization by Box-Behnken response surface design. <b>2018</b> , 27, 997-1005	33
884	Optimization of preparation conditions for calcium pectinate with response surface methodology and its application for cell encapsulation. <b>2018</b> , 115, 29-34	4
883	Application of response surface methodology to acidified water extraction of black soybeans for improving anthocyanin content, total phenols content and antioxidant activity. <b>2018</b> , 261, 260-266	40
882	Optimization of photo-Fenton process for the treatment of prednisolone. <b>2018</b> , 25, 27768-27782	15
881	Response surface modeling-based analysis on launch vehicle capability. <b>2018</b> , 62, 3281-3297	
880	Modeling and process optimization of electrospinning of chitosan-collagen nanofiber by response surface methodology. <b>2018</b> , 5, 045404	12
879	Immobilized lipase catalyzed synthesis of n-amyl acetate: parameter optimization, heterogeneous kinetics, continuous flow operation and reactor modeling. <b>2018</b> , 93, 2906-2916	6
878	Nitrate removal from aquaculture effluents using woodchip bioreactors improved by adding sulfur granules and crushed seashells. <b>2018</b> , 77, 2301-2310	5
877	Electrospinning preparation of NiO/ZnO composite nanofibers for photodegradation of binary mixture of rhodamine B and methylene blue in aqueous solution: Central composite optimization. <b>2018</b> , 32, e4335	40
876	Optimization of biodiesel production from castor oil by Taguchi design. <b>2018</b> , 6, 2684-2695	73
875	Multivariate optimization techniques in analytical chemistry - an overview. <b>2018</b> , 140, 176-182	58
874	Chemometric study of thermal treatment effect on the P25 photoactivity for degradation of tartrazine yellow dye. <b>2018</b> , 44, 12292-12300	8

873	Optimization of high pressure processing parameters to preserve quality attributes of a mixed fruit and vegetable smoothie. <b>2018</b> , 47, 170-179	18
872	A simplified numerical study on the energy performance and thermal environment of a bedroom TAC system. <b>2018</b> , 166, 305-316	11
871	Fermentable sugars production from peach tree prunings: Response surface model optimization of NaOH alkaline pretreatment. <b>2018</b> , 112, 128-137	10
870	Nonlinear modeling of an electrohydraulic actuation system via experiments and its characterization by means of neural network. <b>2018</b> , 40, 1	1
869	Starch-based polyurethane/CuO nanocomposite foam: Antibacterial effects for infection control. <b>2018</b> , 111, 1076-1082	29
868	Influence of various plastics-waste aggregates on properties of normal concrete. <b>2018</b> , 17, 13-22	33
867	Discoloration of simulated textile effluent in continuous photoreactor using immobilized titanium dioxide: Effect of zinc and sodium chloride. <b>2018</b> , 358, 111-120	26
866	Sonochemical preparation and photocatalytic application of Ag-ZnS-MWCNTs composite for the degradation of Rhodamine B under visible light: Experimental design and kinetics modeling. <b>2018</b> , 255, 102-112	25
865	The synthesis and application of the SiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> @MBT nanocomposite as a new magnetic sorbent for the adsorption of arsenate from aqueous solutions: Modeling, optimization, and adsorption studies. <b>2018</b> , 255, 313-323	23
864	Strategies to increase the potential use of oleaginous microalgae as biodiesel feedstocks: Nutrient starvations and cost-effective harvesting process. <b>2018</b> , 122, 507-516	44
863	Multivariate Optimization for the Development of a Fast and Simple Ultrasound-Assisted Extraction Procedure for Multielemental Determination in Tea Leaves by Inductively Coupled Plasma Optical Emission Spectrometry (ICP OES). <b>2018</b> , 11, 2004-2012	7
862	Bioactive paper by eugenol grafting onto cellulose. Effect of reaction variables. <b>2018</b> , 15, 159-168	12
861	Mercury(II) adsorption by a novel adsorbent mercapto-modified bentonite using ICP-OES and use of response surface methodology for optimization. <b>2018</b> , 138, 360-368	44
860	A simple and economical spectrofluorimetric alternative for Al routine analysis in seafood. <i>Talanta</i> , <b>2018</b> , 182, 210-217	6.2 2
859	Simulation and optimization of barley straw organosolv pretreatment. <b>2018</b> , 113, 80-88	15
858	Rapid and sensitive determination of formamidines and metabolites with HPLC-MS/MS using core-shell columns. <b>2018</b> , 1076, 22-28	8
857	Statistical optimization of lactic acid extraction using Green Emulsion Ionic Liquid Membrane (GEILM). <b>2018</b> , 6, 1855-1864	19
856	Rapid Determination of Non-steroidal Anti-inflammatory Drugs in Aquatic Matrices by Two-phase Micro-electrodriven Membrane Extraction Combined with Liquid Chromatography. <b>2018</b> , 56, 166-176	7

855	Application of experimental design for the optimization of artificial neural network-based water quality model: a case study of dissolved oxygen prediction. <b>2018</b> , 25, 9360-9370	18
854	A modeling study by response surface methodology (RSM) on Th(IV) adsorption optimization using a sulfated $\beta$ -cyclodextrin inclusion complex. <b>2018</b> , 44, 2889-2911	12
853	Chlorophyll extraction from suji leaf () with ZnCl stabilizer. <b>2018</b> , 55, 1028-1036	6
852	Subcritical water hydrolysis of sugar beet pulp towards production of monosaccharide fraction. <b>2018</b> , 115, 32-39	11
851	Response surface methodology for the optimization of phenolic compounds extraction from extra virgin olive oil with functionalized gold nanoparticles. <b>2018</b> , 138, 430-437	19
850	Chemometrics-assisted microfluidic paper-based analytical device for the determination of uric acid by silver nanoparticle plasmon resonance. <b>2018</b> , 410, 2305-2313	18
849	Establishment of pressurized-liquid extraction by response surface methodology approach coupled to HPLC-DAD-TOF-MS for the determination of phenolic compounds of myrtle leaves. <b>2018</b> , 410, 3547-3557	22
848	NIR/blue light emission optimization of NaYbF:Tm upconversion nanoparticles via Yb/Tm dopant balancing. <b>2018</b> , 47, 8629-8637	13
847	Heat transfer and pressure drop correlations by means of response surface methodology. <b>2018</b> , 119, 312-332	16
846	Treatment of real benzene dye intermediates wastewater by the Fenton method: characteristics and multi-response optimization. <b>2018</b> , 8, 80-90	33
845	Optimizing ethanol recovery in a spinning cone column. <b>2018</b> , 83, 1-9	5
844	A nanocomposite prepared from a zinc-based metal-organic framework and polyethersulfone as a novel coating for the headspace solid-phase microextraction of organophosphorous pesticides. <b>2017</b> , 185, 62	32
843	Feasibility study of ethylone determination in seized samples using boron-doped diamond electrode associated with solid phase extraction. <b>2018</b> , 259, 1113-1122	21
842	Evaluation of minerals, toxic elements and bioactive compounds in rose petals ( <i>Rosa</i> spp.) using chemometric tools and artificial neural networks. <b>2018</b> , 138, 98-108	14
841	Generalized Likelihood Uncertainty Estimation (GLUE) methodology for optimization of extraction in natural products. <b>2018</b> , 250, 37-45	1
840	Adsorptive removal of arsenic by novel iron/olivine composite: Insights into preparation and adsorption process by response surface methodology and artificial neural network. <b>2018</b> , 209, 176-187	39
839	Modeling and optimization of waterproof-breathable thermo-regulating core-shell nanofiber/net structured membrane for protective clothing applications. <b>2018</b> , 58, 1756-1765	9
838	Biosorption of copper ions from aqueous solution using rape straw powders: Optimization, equilibrium and kinetic studies. <b>2018</b> , 150, 251-259	46

837	Removal of chemical oxygen demand from thin-film transistor liquid-crystal display wastewater using chitosan-coated bentonite: Isotherm, kinetics and optimization studies. <b>2018</b> , 175, 145-154	15
836	Storage quality and microbiological safety of high pressure pasteurized liquorice root sherbet. <b>2018</b> , 90, 613-619	4
835	Development of an electroanalytical method to control quality in fish samples based on an edge plane pyrolytic graphite electrode. Simultaneous determination of hypoxanthine, xanthine and uric acid. <b>2018</b> , 138, 58-64	25
834	Eco-friendly microwave-enhanced green synthesis of silver nanoparticles using Aloe vera leaf extract and their physico-chemical and antibacterial studies. <b>2018</b> , 7, 231-240	45
833	Rietveld structure refinement to optimize the correlation between cation disordering and magnetic features of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <b>2018</b> , 42, 3050-3062	6
832	Experimental results on the performance of cryogenic treatment of tool and minimum quantity lubrication for machinability improvement in the turning of Inconel 718. <b>2018</b> , 40, 1	28
831	A critical analysis of extraction techniques used for botanicals: Trends, priorities, industrial uses and optimization strategies. <b>2018</b> , 100, 82-102	183
830	An Efficient Strategy Based on Liquid-Liquid Extraction with Three-Phase Solvent System and High Speed Counter-Current Chromatography for Rapid Enrichment and Separation of Epimers of Minor Bufadienolide from Toad Meat. <b>2018</b> , 66, 1008-1014	15
829	Preparation and application of sulfated xylan as a flocculant for dye solution. <b>2018</b> , 34, 529-536	7
828	Statistical optimization of the phytoremediation of arsenic by <i>Ludwigia octovalvis</i> - in a pilot reed bed using response surface methodology (RSM) versus an artificial neural network (ANN). <b>2018</b> , 20, 721-729	25
827	Application of Response Surface Methodology for Optimization of Cadmium Ion Removal from an Aqueous Solution by Eggshell Powder. <b>2018</b> , 34, 302-310	8
826	Synthesis of zeolite/nickel ferrite/sodium alginate bionanocomposite via a co-precipitation technique for efficient removal of water-soluble methylene blue dye. <b>2018</b> , 116, 607-619	80
825	A novel three-dimensional electro-Fenton system and its application for degradation of anti-inflammatory pharmaceuticals: Modeling and degradation pathways. <b>2018</b> , 117, 200-213	20
824	Sol-gel based biogenic silica composite as green nanosorbent for chemometric optimization of micro-solid-phase extraction of beta blockers. <b>2018</b> , 1554, 16-27	13
823	Degradation of ciprofloxacin antibiotic by Homogeneous Fenton oxidation: Hybrid AHP-PROMETHEE method, optimization, biodegradability improvement and identification of oxidized by-products. <b>2018</b> , 206, 157-167	42
822	Granulation development in batch-to-batch and continuous processes from a quality by design perspective. <b>2018</b> , 46, 34-45	4
821	A review on the application of response surface method and artificial neural network in engine performance and exhaust emissions characteristics in alternative fuel. <b>2018</b> , 90, 665-686	91
820	Optimization of extraction parameters of antioxidant activity of extracts from New Zealand and Chinese <i>Asparagus officinalis</i> L root cultivars. <b>2018</b> , 119, 191-200	22

819	A stochastic multi-objective model for a closed-loop supply chain with environmental considerations. <b>2018</b> , 69, 232-249	72
818	Recovery of bioactive compounds from <i>Arbutus unedo</i> L. fruits: Comparative optimization study of maceration/microwave/ultrasound extraction techniques. <b>2018</b> , 109, 455-471	30
817	Concurrent extraction of oil from roasted coffee ( <i>Coffea arabica</i> ) and fucoxanthin from brown seaweed ( <i>Saccharina japonica</i> ) using supercritical carbon dioxide. <b>2018</b> , 25, 137-146	17
816	Fabrication of paper-based analytical devices optimized by central composite design. <b>2018</b> , 143, 2102-2108	9
815	Hydrophilic interaction chromatography coupled to tandem mass spectrometry as a method for simultaneous determination of guanidinoacetate and creatine. <b>2018</b> , 1028, 96-103	6
814	Mechanism of ammonium adsorption from wastewater by modified bentonite and optimization by response surface. <b>2018</b> , 22, 1-9	5
813	Morphology and performance of poly(vinylidene fluoride) flat sheet membranes: Thermodynamic and kinetic aspects. <b>2018</b> , 135, 46419	6
812	A design optimization study on synthesized nanocrystalline cellulose, evaluation and surface modification as a potential biomaterial for prospective biomedical applications. <b>2018</b> , 114, 536-546	25
811	Analysis of volatile compounds in gluten-free bread crusts with an optimised and validated SPME-GC/QTOF methodology. <b>2018</b> , 106, 686-695	16
810	Chemical composition, antioxidant activity, neuroprotective and anti-inflammatory effects of <i>Cissus sicyoides</i> L. extracts obtained from supercritical extraction. <b>2018</b> , 138, 36-45	21
809	Development and validation of analytical method for vildagliptin encapsulated poly-ε-caprolactone microparticles. <b>2018</b> , 5, 958-964	4
808	Two-phase systems developed with hydrophilic and hydrophobic deep eutectic solvents for simultaneously extracting various bioactive compounds with different polarities. <b>2018</b> , 20, 1879-1886	94
807	Modeling and optimization of EBG structure using response surface methodology for antenna applications. <b>2018</b> , 89, 34-41	10
806	Supercritical water gasification of microalga <i>Chlorella</i> PTCC 6010 for hydrogen production: Box-Behnken optimization and evaluating catalytic effect of MnO <sub>2</sub> /SiO <sub>2</sub> and NiO/SiO <sub>2</sub> . <b>2018</b> , 126, 189-201	28
805	Alternative Extraction Method of Bioactive Compounds from Mulberry ( <i>Morus nigra</i> L.) Pulp Using Pressurized-Liquid Extraction. <b>2018</b> , 11, 2384-2395	16
804	Molecularly imprinted polymer for determination of lumefantrine in human plasma through chemometric-assisted solid-phase extraction and liquid chromatography. <i>Talanta</i> , <b>2018</b> , 184, 173-183	6.2 16
803	Degradation of 4-aminoantipyrine by electro-oxidation with a boron-doped diamond anode: Optimization by central composite design, oxidation products and toxicity. <b>2018</b> , 631-632, 1079-1088	21
802	Application of Response Surface Methodology for Optimization of Cadmium Ion Removal from an Aqueous Solution by Eggshell Powder. <b>2018</b> , 1	1



801	Optimization of supercritical carbon dioxide extraction of lutein and chlorophyll from spinach by-products using response surface methodology. <b>2018</b> , 93, 79-87	32
800	Ionic Liquid Based Ultrasound-Assisted Emulsification Microextraction for Preconcentration of Phenol Using Central Composite Design. <b>2018</b> , 73, 36-41	3
799	Evaluation and optimization of Fenton pretreatment integrated with granulated activated carbon (GAC) filtration for carbamazepine removal from complex wastewater of pharmaceutical industry. <b>2018</b> , 6, 3681-3689	21
798	BoxâBehnken Design optimization of malachite green dye biosorption using nano zero valent iron <i>Sargassum swartzii</i> biocomposite. <b>2018</b> , 36, 386-393	6
797	Modeling and optimization of sulfonated poly (ether ether ketone) nanofibrous proton exchange membranes with response surface methodology. <b>2018</b> , 58, 619-631	2
796	Modelling of surfactants and chemistry for electroless Ni-P plating. <b>2018</b> , 34, 454-461	12
795	Species-specific interaction of trihalomethane (THM) precursors in a scaled-up distribution network using response surface methodology (RSM). <b>2018</b> , 39, 346-355	6
794	An optimisation study on biomass delignification process using alkaline wash. <b>2018</b> , 8, 59-68	5
793	Simultaneous removal of arsenic, iron and manganese from groundwater by oxidation-coagulation-adsorption at optimized pH. <b>2018</b> , 18, 60-70	4
792	Biosynthesis of ZnO nanoparticles using barberry ( <i>Berberis vulgaris</i> ) extract and assessment of their physico-chemical properties and antibacterial activities. <b>2018</b> , 7, 114-121	22
791	Comparison of different extraction methodologies for the analysis of volatile compounds in gluten-free flours and corn starch by GC/QTOF. <b>2018</b> , 267, 303-312	15
790	Novel approaches mediated by tailor-made green solvents for the extraction of phenolic compounds from agro-food industrial by-products. <b>2018</b> , 239, 671-678	108
789	Optimization of bioethanol production from steam exploded hornbeam wood ( <i>Ostrya carpinifolia</i> ) by enzymatic hydrolysis. <b>2018</b> , 124, 136-143	9
788	Thermosonication process for optimal functional properties in carrot juice containing orange peel and pulp extracts. <b>2018</b> , 245, 79-88	38
787	Method optimization for heavy metal determination in milk powder: application to milk samples from Greece. <b>2018</b> , 25, 26766-26779	5
786	Preparation and optimization of self-assembled chondroitin sulfate-nisin nanogel based on quality by design concept. <b>2018</b> , 107, 2730-2739	18
785	Optimization of microwave-assisted extraction of flavonoids and antioxidants from <i>Vernonia amygdalina</i> leaf using response surface methodology. <b>2018</b> , 107, 36-48	72
784	Response surface methodology modeling to improve degradation of Chlorpyrifos in agriculture runoff using TiO solar photocatalytic in a raceway pond reactor. <b>2018</b> , 147, 919-925	37



783	Synthesis and Characterization of Activated Carbon/Maghemite/Starch Magnetic Bionanocomposite and Its Application for Permanganate Removal from Aqueous Solution. <b>2018</b> , 28, 195-211	23
782	Simultaneous Determination of Seven Polycyclic Aromatic Hydrocarbons in Coffee Samples Using Effective Microwave-Assisted Extraction and Microextraction Method Followed by Gas Chromatography-Mass Spectrometry and Method Optimization Using Central Composite Design. <b>2018</b> , 11, 781-789	12
781	Modeling and optimization of methane dry reforming over Ni $\alpha$ Al $\alpha$ O $\alpha$ catalyst using Boxâ&Behnken design. <b>2018</b> , 27, 1475-1488	24
780	Application of bacterial collagenolytic proteases for the extraction of type I collagen from the skin of bigeye tuna ( <i>Thunnus obesus</i> ). <b>2018</b> , 89, 44-51	18
779	Increasing microalgal carbohydrate content for hydrothermal gasification purposes. <b>2018</b> , 116, 710-719	25
778	Anaerobic Bioremediation Performance and Indigenous Microbial Communities in Treatment of Trichloroethylene/Nitrate-Contaminated Groundwater. <b>2018</b> , 35, 311-322	5
777	Optimization and analysis of microwave-assisted extraction of bioactive compounds from <i>Mimosa pudica</i> L. using RSM & ANFIS modeling. <b>2018</b> , 12, 228-242	13
776	Application of chitosan in removal of molybdate ions from contaminated water and groundwater. <b>2018</b> , 180, 55-62	42
775	Mass spectrometry in untargeted liquid chromatography/mass spectrometry metabolomics: Electrospray ionisation parameters and global coverage of the metabolome. <b>2018</b> , 32, 121-132	16
774	Manufacturing and 3D printing of continuous carbon fiber prepreg filament. <b>2018</b> , 53, 1887-1898	65
773	Response surface methodology for optimization of simultaneous Cr (VI) and as (V) removal from contaminated water by nanofiltration process. <b>2018</b> , 37, 434-443	5
772	Fluorescence turn-on sensing of thiamine based on Arginine â&functionalized graphene quantum dots (Arg-GQDs): Central composite design for process optimization. <b>2018</b> , 255, 2078-2085	52
771	Enhanced extraction of flavonoids from <i>Odontonema strictum</i> leaves with antioxidant activity using supercritical carbon dioxide fluid combined with ethanol. <b>2018</b> , 131, 66-71	33
770	Optimization of endoglucanase production from <i>Trichoderma harzianum</i> strain HZN11 by central composite design under response surface methodology. <b>2018</b> , 8, 305-316	19
769	Engineering of budesonide-loaded lipid-polymer hybrid nanoparticles using a quality-by-design approach. <b>2018</b> , 548, 740-746	20
768	Chlorine determination via MgCl molecule in environmental samples using high resolution continuum source graphite furnace molecular absorption spectrometry. <i>Talanta</i> , <b>2018</b> , 176, 227-233	6.2 15
767	Prediction of barrier properties of HDPE/PA-6/nanoclay composites by response surface approach: effects of compatibilizer type and the contents of nanoclay, PA-6 and compatibilizer. <b>2018</b> , 75, 2751-2767	11
766	Dissolution Kinetics of Iron from Low-Grade Mn Ore and Optimization Using Response Surface Methodology. <b>2018</b> , 71, 589-596	

765	Effect of abrasive waterjet machining on LaPO <sub>4</sub> /Y <sub>2</sub> O <sub>3</sub> ceramic matrix composite. <b>2018</b> , 54, 205-214	7
764	Supercritical fluid extraction of Eucalyptus globulus leaves. Experimental and modelling studies of the influence of operating conditions and biomass pretreatment upon yields and kinetics. <b>2018</b> , 191, 173-181	22
763	Analysis and optimization of viscosity of concentrated silica suspensions by response surface methodology (RSM): Control of particle modality. <b>2018</b> , 39, 1352-1359	1
762	Ion-pair extraction-reaction of calcium using Y-shaped microfluidic junctions: An optimized separation approach. <b>2018</b> , 334, 2603-2615	37
761	Development and optimization of alumina fine fibers utilizing a centrifugal spinning process. <b>2018</b> , 262, 175-181	12
760	A simplified statistic-based procedure for gas dispersion prediction of fixed offshore platform. <b>2018</b> , 114, 48-63	16
759	Simultaneous quantitative assessment of nine glycosides in tobacco by liquid chromatography-tandem mass spectrometry. <b>2018</b> , 41, 1009-1016	8
758	An alternative protocol to artificially simulate short-term ageing of binders for selected regional condition. <b>2018</b> , 161, 654-664	3
757	Optimization of microwave assisted extraction of Morus nigra L. fruits maximizing tyrosinase inhibitory activity with isolation of bioactive constituents. <b>2018</b> , 248, 183-191	39
756	Optimization of Beidellite/Polyaniline Production Conditions by Central Composite Design for Removal of Acid Yellow 194. <b>2018</b> , 26, 2619-2631	7
755	Nanoemulsion as pharmaceutical carrier for dermal and transdermal drug delivery: Formulation development, stability issues, basic considerations and applications. <b>2018</b> , 270, 203-225	230
754	Comparative studies on using RSM and TOPSIS methods to optimize residential air conditioning systems. <b>2018</b> , 144, 98-109	29
753	Scientific, statistical, practical, and regulatory considerations in design space development. <b>2018</b> , 44, 349-364	15
752	Preparation, statistical optimization and in vitro evaluation of pramipexole prolonged delivery system based on poly (3-hydroxybutyrate-co-3-hydroxyvalerate) nanoparticles. <b>2018</b> , 44, 82-90	8
751	Application of guar gum for the removal of dissolved lead from wastewater. <b>2018</b> , 111, 261-269	29
750	Hybrid central composite design for simultaneous optimization of removal of methylene blue and alizarin red S from aqueous solutions using Vitis tree leaves. <b>2018</b> , 32, e2960	8
749	Approach for Polygodial Extraction from Pseudowintera colorata (Horopito) Leaves Using Deep Eutectic Solvents. <b>2018</b> , 6, 862-871	25
748	Modelling and Optimization of Uranium (VI) Ions Adsorption Onto Nano-ZnO/Chitosan Bio-composite Beads with Response Surface Methodology (RSM). <b>2018</b> , 26, 2300-2310	18

747	Kinetic study of carbon dioxide hydrate formation by thermal analysis in the presence of two surfactants: Sodium dodecyl sulfate (SDS) and lauryl alcohol ethoxylate (LAE). <b>2018</b> , 254, 120-129	15
746	Optimisation of experimental conditions for binding of divalent iron to bioactive casein phosphopeptides. <b>2018</b> , 53, 784-793	15
745	Determination of the clean-up efficiency of the solid-phase extraction of rosemary extracts: Application of full-factorial design in hyphenation with Gaussian peak fit function. <b>2018</b> , 41, 704-712	4
744	Optimization of hybrid coagulation-ultrafiltration process for potable water treatment using response surface methodology. <b>2018</b> , 18, 862-874	6
743	Multi-objective optimization of a gas cyclone separator using genetic algorithm and computational fluid dynamics. <b>2018</b> , 325, 347-360	27
742	Spectrofluorimetric methods for the determination of lixivaptan and its hydrolysis product in human plasma and urine, with factors optimization study. <b>2018</b> , 249, 764-771	
741	Multi-Objective Optimization of TMD for Frame Structure Based on Response Surface Methodology and Weighted Desirability Function. <b>2018</b> , 22, 3015-3027	4
740	A high density 3-aminopropyltriethoxysilane grafted pumice-derived silica aerogel as an efficient adsorbent for ibuprofen: Characterization and optimization of the adsorption data using response surface methodology. <b>2020</b> , 18, 100642	17
739	Pulsed electric field (PEF) as pre-treatment to improve the phenolic compounds recovery from brewers' spent grains. <b>2020</b> , 64, 102402	27
738	Extraction optimization, characterization and the antioxidant activities in vitro and in vivo of polysaccharide from <i>Pleurotus ferulae</i> . <b>2020</b> , 160, 380-389	4
737	Optimization of culture media to enhance the ability of local <i>Bacillus thuringiensis</i> var. <i>tenebrionis</i> . <b>2020</b> , 19, 468-475	1
736	Recovery of high-content $\omega$ fatty acid oil from raspberry ( <i>Rubus idaeus</i> L.) seeds: Chemical composition and functional quality. <b>2020</b> , 130, 109627	8
735	Direct profiling of endogenous metabolites in rat brain microdialysis samples by capillary electrophoresis-mass spectrometry with on-line preconcentration. <b>2020</b> , 156, 104949	10
734	A comparison between chemical and photochemical vapor generation techniques for mercury determination using univariate and multivariate optimization. <b>2020</b> , 157, 105029	4
733	Enhanced Phosphate Recovery Using Crystal-Seed-Enhanced Struvite Precipitation: Process Optimization with Response Surface Methodology. <b>2020</b> , 24, 04020027	4
732	Process optimization of catalytic steam reforming of toluene to hydrogen using response surface methodology (RSM) and artificial neural network-genetic algorithm (ANN-GA). 991, 012079	1
731	Optimization on heat-transfer coefficient of plate heat exchanger using MWCNT-TiO <sub>2</sub> nanofluid by response surface methodology. <b>2020</b> , 7, 084002	1
730	Optimization of microwave-assisted extraction process of <i>Hordeum vulgare</i> L. by response surface methodology. <b>2017</b> , 24, 949-956	6

728 Statistical optimization of culture conditions to improve cell density of *Komagataeibacter medellinensis* NBRC 3288: the first step towards to optimize bacterial cellulose production. 1

711	Optimum Extraction Condition of Flower on Antioxidant Activities, Total Phenolic, Total Flavonoid and Total Anthocyanin Contents. <b>2020</b> , 31, 1-17	3
710	Therapeutic Nanoemulsion: Concept to Delivery. <b>2020</b> , 26, 1145-1166	16
709	A Review on Influence of Spray Drying Process Parameters on the Production of Medicinal Plant Powders. <b>2019</b> , 16, 340-354	1
708	Application of response surface methodology for optimizing transesterification of coconut oil. <b>2017</b> , 05, 101	1
707	Exploration of membrane-based dehumidification system to improve the energy efficiency of kiln drying processes: Part 1 âFactors that affect moisture removal efficiency. <b>2020</b> , 52, 313-325	2
706	CuZn39Pb3 Malzemenin Torna Tezgânda Ğenmesinde OluĖn AkĖn, Ses Ğiddeti, TitreĖm ve YĖzey PĖĖlilik DeĖeri Arasındaki ĖĖlinin Ėceelenmesi.	1
705	Prediction Models for Thermal Conductivity of Cement-based Composites. <b>2018</b> , 58, 163-171	2
704	Ėtilac-Centaurea Solstitialis Bitkisi Kullanarak Sulu Ėeltiilerden Malahit YeĖ Boya Giderimi ve Tepki YĖzey YĖntemi ile Optimizasyon: Kinetik, Ėoterm ve Termodinamik ĖĖlĖa. 755-768	9
703	Microwave-Assisted Extraction of Different Groups of Phenolic Compounds from Grape Skin Pomaces: Modeling and Optimization. <b>2019</b> , 69, 235-246	4
702	Top-Down Synthesis of a Lamivudine-Zidovudine Nano Co-Crystal. <b>2021</b> , 11, 33	5
701	Combined Response Surface Method and Modified Differential Evolution for Parameter Optimization of Friction Stir Welding. <b>2020</b> , 8, 1080	8
700	Instrumental Odour Monitoring System Classification Performance Optimization by Analysis of Different Pattern-Recognition and Feature Extraction Techniques. <b>2020</b> , 21,	4
699	All-Trans Retinoic Acid Grafted Poly Beta-Amino Ester Nanoparticles: A Novel Anti-angiogenic Drug Delivery System. <b>2020</b> , 10, 221-232	5
698	The production of enantiomerically pure 1-phenylethanol by enzymatic kinetic resolution method using response surface methodology. <b>2020</b> , 44, 1352-1365	2
697	Destabilization of Heavy and Light Crude Oil Emulsions via Microwave Heating Technology: An Optimization Study. <b>2011</b> , 11, 2898-2906	6
696	Microwave Assisted Extraction of Tinospora cordifolia and Optimization through Central Composite Design. <b>2015</b> , 15, 106-115	5
695	Responsive Surface Methodology Optimizes Extraction Conditions of Industrial by-products, Camellia japonica Seed Cake. <b>2016</b> , 12, 184-7	2
694	Optimization of ultrasound-assisted extraction of charantin from Momordica charantia fruits using response surface methodology. <b>2015</b> , 7, 304-7	5

693	Optimization of the Expression of DT386-BR2 Fusion Protein in using Response Surface Methodology. <b>2017</b> , 6, 22	11
692	Optimization of medium components using response surface methodology (RSM) for mycelium biomass and exopolysaccharide production by <i>Lentinus squarrosulus</i> . <b>2013</b> , 04, 1079-1085	16
691	Optimization Conditions of the Preparation of Activated Carbon Based Egusi ( <i>Cucumeropsis mannii</i> ; Naudin) Seed Shells for Nitrate Ions Removal from Wastewater. <b>2018</b> , 09, 439-463	6
690	Impact of Climatic Factors on Albacore Tuna <i>Thunnus alalunga</i> in the South Pacific Ocean. <b>2015</b> , 04, 295-312	4
689	Factors Affecting Japanese Pond Smelt ( <i>Hypomesus nipponensis</i> ) Stock Trajectory in Lake Kasumigaura and Kitaura. <b>2015</b> , 05, 210-225	1
688	Optimization of coagulation conditions for pretreatment of microfiltration process using response surface methodology. <b>2015</b> , 20, 223-229	6
687	Comparison of response surface methods for the optimization of an upflow anaerobic sludge blanket for the treatment of slaughterhouse wastewater. <b>2020</b> , 25, 114-122	16
686	A Study on Ductility of Prestressed Concrete Pier Based on Response Surface Methodology. <b>2016</b> , 6, 1253-1257	1
685	EXTRACTION OPTIMIZATION OF THREE INDEPENDENT VARIABLES OF ANTIOXIDANTS FROM BASIL LEAVES USING RESPONSE SURFACE METHODOLOGY. <b>2020</b> , 57, 20-28	1
684	Monitoring and Optimization of the Effects of the Blending Ratio of Corn, Sesame, and Perilla Oils on the Oxidation and Sensory Quality of Seasoned Laver <i>Pyropia</i> spp.. <b>2015</b> , 18, 27-33	2
683	Innovative 3D-Manufacturing of Complex Ceramic Parts by Means of Commercial Digital Light Processing Apparatus. <b>2019</b> , 37, 369-377	1
682	Modeling and Optimization of Recovery Process of Glycolic Acid using Reactive Extraction. <b>2012</b> , 141-146	8
681	Semiconductor Manufacturing Final Test Yield Optimization and Wafer Acceptance Test Parameter Inverse Design Using Multi-Objective Optimization Algorithms. <b>2021</b> , 9, 137655-137666	
680	Optimized extraction of polyphenols from leaves of Rosemary ( <i>Rosmarinus officinalis</i> L.) grown in Lam Dong province, Vietnam, and evaluation of their antioxidant capacity. <b>2021</b> , 19, 1043-1051	1
679	Application of Response Surface Methodology in Food Process Modeling and Optimization.	0
678	Unifloral Autumn Heather Honey from Indigenous Greek Salisb.: SPME/GC-MS Characterization of the Volatile Fraction and Optimization of the Isolation Parameters. <b>2021</b> , 10,	2
677	Bioconversion of waste glycerol for enhanced lipid accumulation in <i>Trichosporon shinodae</i> . 1	2
676	Influence of process conditions on ultrasound-assisted protein extraction from cold pressed tomato seed waste. e16079	1

- 675 Solar energy conversion to electricity by Tris (2,2'-bipyridyl) ruthenium (II) chloride hexahydrate-diethyl ammonium tetrachloroferrate-oxalic acid photogalvanic cell: Statistical analysis. **2021**, 347, 117824 0
- 674 A comparative study of mathematical and ANFIS models to determine the effect of ultrasonic waves on the viscosity of crude oil. 1-16 0
- 673 Construction of surrogate models for predicting the buckling strength of stiffened panels through DoE and RSM methods. **2021**, ahead-of-print, 1
- 672 Design of experiment-based LC-MS/MS method development for simultaneous estimation of nateglinide and metformin hydrochloride in rat plasma. **2021**, 56, e4789 1
- 671 Optimisation of an Aglycone-Enhanced Celery Extract with Germinated Soy Supplementation Using Response Surface Methodology. **2021**, 10, 1
- 670 Optimization of flexible printed circuit board's cooling with air flow and thermal effects using response surface methodology. **2021**, 38, 182-205 0
- 669 Optimisation of cellulase-assisted extraction of laminarin from the brown seaweed *Ecklonia maxima*, using response surface methodology. 1
- 668 Proportional impact prediction model of animal waste fat-derived biodiesel by ANN and RSM technique for diesel engine. **2022**, 239, 122389 6
- 667 Optimization and modeling of Zn<sub>2</sub>SnO<sub>4</sub> sensitivity as gas sensor for detection benzene in the air by using the response surface methodology. **2021**, 25, 101371 2
- 666 Optimization of the Mechanical Properties and the Cytocompatibility for the PMMA Nanocomposites Reinforced with the Hydroxyapatite Nanofibers and the Magnesium Phosphate Nanosheets. **2021**, 14, 1
- 665 Optimizing lignin extraction from Kraft black liquor using protic ionic liquids. **2021**, 154, 106249 2
- 664 Prediction and analysis of thermal-hydraulic performance with slit fins in small diameter (3 mm to 4 mm) heat exchangers. **2021**, 129, 105684 0
- 663 Microwave-assisted aqueous two-phase system based extraction of phenolics from pulses: Antioxidant properties, characterization and encapsulation. **2021**, 173, 114144 1
- 662 Use of Simulation and Intelligence Based Optimization Approach in Bioprocess. **2014**, 349-364
- 661 Extraction, Structure, and Bioactivities of the Polysaccharides from *Fructus*. **2014**, 1-21
- 660 Influence of Climatic Conditions on the Time Series Fluctuation of Yellowfin Tuna <i>Thunnus albacares</i> in the South Pacific Ocean. **2015**, 05, 247-264 1
- 659 Combating Accidental Microbial Episodes by Back-Ground Chlorine Residuals in a Scaled-up Distribution Network (Rig) Using a Central Composite Design (CCD). **2015**, 6, 122-127
- 658 Extraction, Structure, and Bioactivities of the Polysaccharides from *Fructus*. **2015**, 1585-1607



- 657 Optimization of coagulant dosage using response surface methodology with central composite design. **2015**, 29, 193-202 2
- 656 Study on the response surface optimization of online upgrading of bio-oil with MCM-41 and catalyst durability analysis. **2017**, 22, 19-30
- 655 Process Optimization for Diaspore Digestion Equilibrium Using Response Surface Methodology. **2017**, 25-30
- 654 Optimization Methods For Chemists and Chemometricians. 1-17
- 653 Dise  de un Experimento de Optimizaci  del Proceso de Coagulaci -Floculaci  de Aguas en el Laboratorio de Qu mica. **2017**, 10, 35
- 652 Iterative response surface joint algorithm analysis of optimization arrangement on mistuned blades. **2017**, 19, 4210-4220 1
- 651 Introduction. **2018**, 1-12
- 650 Optimization of the Angle of Twist of Propeller Using Modified Flower Pollination Algorithm. **2018**, 299-327
- 649 Synthesis and Surface Activities of a Silicone Based Ester Quaternary Amine and Optimization of Synthesis Conditions by Response Surface Method. **2018**, 4, 37-45
- 648 Optimization of molybdenite flotation using response surface method. **2018**, 12, 12-18
- 647 On-Line Photoinduced Fluorescence for Carbamazepine Determination after Multivariate Optimization. **2019**, 10, 513-527
- 646 Optimization of Ultrasonic Extraction for Citrus Polysaccharides by Response Surface Methodology. **2019**, 1705-1712
- 645 Chapter 10:Chemometrics: Basic Principles and Applications. **2019**, 403-451 1
- 644 Investigating the Inhibitory Aspects of Metformin/Curcumin Co-Treatment through Convergence of In-Silico and In-Vitro Approaches. 1
- 643 OPTIMIZATION OF EXTRACTION PARAMETERS FOR FUcoxanthin, Gallic Acid and Rutin from Nitzschia thermalis. **2019**, 13,
- 642 Optimization of Coagulation-Flocculation Process of Landfill Leachate by Tin (IV) Chloride Using Response Surface Methodology. **2019**, 6, 41-48 1
- 641 At k Pil Tozu Li Kal t ndaki Mangan  Z n li n Optimum Ko ullar  Yan Y zey Y temiyle Belirlenmesi. 73-86
- 640 EXTRACTION OPTIMIZATION AND ANTIOXIDANT ACTIVITY OF PHENOLIC COMPOUNDS FROM AVOCADO PEEL. **2019**, 49-59

- 639 Glutensiz Bisküvi.Unu Formlasyonunun YanĖ YĖzey YĖĖtemi KullanĖarak Optimizasyonu. 185-192 1
- 638 Multi-response optimization of postharvest treatments to maintain quality of longan âĖHong ChiâĖ during cold storage. **2019**, 84, 226-236
- 637 Process Optimization for Extraction of Polyphenols from Avocado Seeds (*Persea americana* Mill.) Using Response Surface Methodology. **2019**, 5-11 1
- 636 Photocatalytic Removal of Amaranth Optimization Using Response Surface Methodology. **2019**, 13, 199-208
- 635 Optimization of Physical Conditions of Actinokinase Synthesis from Local Isolate Using Response Surface Methodology (RSM). **2019**, 20, 35-43
- 634 RP-HPLC Method for Determination of Salbutamol and Bromhexine in Syrup: Modelling and Optimization by Response Surface Methodology. **2020**, 32, 3135-3143
- 633 Determining Optimum Design Parameters of Foldable Product Using Response Surface Methodology and Genetic Algorithm. **2020**, 12, 839-850
- 632 Optimization of Operational Conditions for Scandium Determination in Aluminum Alloys by Inductively Coupled Plasma Optical Emission Spectrometry. **2020**, 87, 326-332 0
- 631 Tepki yĖzeyi metodolojisi kullanĖarak nanokompozitin delinmesinde oluĖn itme kuvvetinin modellenmesi ve analizi. **2020**, 8, 293-305 1
- 630 Enhanced Biosynthesis of Plasmid DNA from *Escherichia coli* Applying Experimental Design. **2021**, 2197, 135-150
- 629 Effects of  $Sr^{2+}$  on the preparation of *Escherichia coli* DH5Ė competent cells and plasmid transformation. 8, e9480 0
- 628 Response Surface Design for Removal of Lead by Different Lactic Acid Bacteria. **2020**, 9, 1
- 627 Utilization of Response Surface Methodology and Regression Model in Optimizing Bioretention Performance. **2021**, 0
- 626 Potential of  $TiO_2$  loaded almond shell derived activated carbon for leachate treatment: isotherms, kinetics, and Response Surface Methodology. 1-22
- 625 An experimental design approach for the optimization of scopoletin extraction from *Morinda citrifolia* L. using accelerated solvent extraction. *Talanta*, **2022**, 238, 123010 6.2 5
- 624 Optimization of Extraction of Essential Oils using Response Surface Methodology: A Review. 1-46 1
- 623 Hydraulic componentsâĖmatching optimization design and entropy production analysis in a large vertical centrifugal pump. **2021**, 35, 5033 3
- 622 Optimization of oil flow distribution inside the in-wheel motor assembly of electric vehicles for improved thermal performance. **2021**, 201, 117753 2

621	Facile Fluorine-free Finishing for Excellent Water Repellency of Cotton Fabric and Optimization Using Response Surface Methodology. 1-14	0
620	Development of a simplified spectrophotometric method for nitrite determination in water samples. <b>2021</b> , 120574	3
619	Vacuum-assisted headspace solid-phase microextraction and gas chromatography coupled to mass spectrometry applied to source rock analysis. <b>2021</b> , 1, 100001	0
618	Multivariate Optimization: A Powerful Tool for the Systematic Control of Quantum Dots Properties. <b>2020</b> , 2135, 3-36	0
617	Modeling Rutting Behavior of Crumb Rubber Modified Binders Using Design of Experiments. <b>2020</b> , 295-306	1
616	Experimental and computational evaluation of kolliphor RH 40 as a new fluorescence enhancer in development of a micellar-based spectrofluorimetric method for determination of lapatinib in tablets and urine. <b>2020</b> , 15, e0239918	1
615	Experimental Research of the Robotic Assembly Process Using the Effect of Rotation and Low-Frequency Vibration. <b>2020</b> ,	
614	Comparison of Ozonation and Electro-Fenton Processes for Sodium Azide Removal in Medical Laboratory Wastewater by Using Central Composite Design. <b>2021</b> , 56, 2951-2966	3
613	Exploiting Response Surface Methodology (RSM) as a Novel Approach for the Optimization of Phenolic and Antioxidant Activity of Date Palm Fruit. <b>2020</b> , 14, 572-582	1
612	High throughput mathematical modeling and multi-objective evolutionary algorithms for plant tissue culture media formulation: Case study of pear rootstocks. <b>2020</b> , 15, e0243940	2
611	Effective clay material enriched with thiol groups for Zn(II) removal from aqueous media: A statistical approach based on response surface methodology. <b>2020</b> , 8, 125-131	
610	Optimization of pretreatment in pymetrozine production wastewater via reactive distillation and side-stream distillation methods with response surface methodology. <b>2021</b> , 83, 463-474	1
609	Immobilization of Metanil Yellow Decolorizing Mixed Culture FN3 Using Gelling Gum as Matrix for Bioremediation Application. <b>2021</b> , 13, 36	0
608	Simplex lattice design for optimization of the mass ratio of Curcuma longa L., Curcuma zedoaria (Christm.) Roscoe and Curcuma aromatica Salisb. to maximize curcuminoids content and antioxidant activity. <b>2021</b> , 71, 445-457	
607	Separation of HCl/water mixture using air gap membrane distillation, Taguchi optimization and artificial neural network. <b>2020</b> ,	
606	Simulation and optimization of organosolv based lignocellulosic biomass refinery: A review. <b>2022</b> , 343, 126158	5
605	Optimization Design of In-Situ Upgrading for Oil Shale via Steam Injection Based on Response Surface Method. <b>2020</b> , 677-685	
604	Determination of 3-Nitrobenzanthrone Its Metabolites, and Other 41 Polycyclic Aromatic Compounds (16 PAHs, 19 Nitro-PAHs, and 6 Oxy-PAHs) in Ascidians (Phallusia nigra).	

- 603 Bioactive Metabolites from *Streptomyces nanhaiensis* VSM-1: Polyphasic Taxonomy, Optimization, and Evaluation of Antimicrobial Metabolites by GC-MS Analysis. **2020**, 621-655
- 602 Optimization of solvent media to solubilize TEV protease using response surface method. **2020**, 15, 331-339
- 601 Multi-objective optimization of a municipal solid waste gasifier. **2021**, 11, 1703-1718 2
- 600 Optimization of condition for pectin extraction from pomelo peel using response surface methodology. **2020**, Vol.11(1), 50
- 599 Application of the Simultaneous Perturbation Stochastic Approximation Algorithm for Process Optimization. **2020**, 315-340
- 598 Research of the Effect of Rotation and Low-Frequency Vibration on the Robotic Assembly Process. **2020**, 5, 160-168 1
- 597 Quality by design (Qbd) approach to develop stability indicating HPLC method for estimation of rutin in chitosan-sodium alginate nanoparticles. 56,
- 596 Solving a Discounted Closed-Loop Supply Chain Network Design Problem by Recent Metaheuristics. **2020**, 3-24 1
- 595 Predictive Models for Optimisation of Acetone Mediated Extraction of Polyphenolic Compounds from By-Product of Cider Production. **2020**, 10, 81-98
- 594 New Analytical Formulas for Coupling Coefficient of Two Inductively Coupled Ring Coils in Inductive Wireless Power Transfer System. **2020**, 117-127 1
- 593 The Response Surface Methodology as a Tool to Evaluate the Effects of Using Diesel-Biodiesel-Bioethanol Blends as Farm Tractor Fuel. **2020**, 539-549
- 592 Pretreatment and Enzymatic Hydrolysis of Lignocellulosic Biomass for Reducing Sugar Production. **2020**, 1-27
- 591 Optimization of Espresso Spent Ground Coffee Waste Extract Preparation and the Influence of its Chemical Composition as an Eco-friendly Corrosion Inhibitor for Carbon Steel in Acid Medium. **2020**, 23, 2
- 590 Modelling, Optimization and Green Metrics Evaluation of Bio-Catalytic Synthesis of Biodiesel. **2020**, 27, 17-30 2
- 589 References. **2021**, 239-264
- 588 Determination and analysis of the constitutive parameters of temperature-dependent dislocation-density-based crystal plasticity models. **2021**, 104117 5
- 587 Application of Response Surface Methodology (RSM) for the Optimization of Chromium(III) Synergistic Extraction by Supported Liquid Membrane. **2021**, 11, 2
- 586 Domestic wastewater treatment by membrane bioreactor system and optimization using response surface methodology. 1

585	Development and optimization of sewage wastewater treatment program. <b>2021</b> , 11, 1	4
584	Parameter Self-Adaptation for Industrial Wireless Sensor-Actuator Networks. <b>2020</b> , 20, 1-28	1
583	A Novel Approach for Reducing Delamination During Drilling of CFRP by Response Surface Methodology (RSM) Integrated with the Taguchi Method. <b>2021</b> , 185-197	2
582	FINDIK ZARİ YANIN EKSTRAKSİYON PARAMETRELERİNİN OPTİMİZASYONU VE FİZİKOKİMYASAL ÖZELLİKLERİNİN BELİRLENMESİ 1073-1082	0
581	Application of Artificial Neural Network and Response Surface Methodology in Optimization of Cold Fiber Headspace Solid-Phase Microextraction (CF-HS-SPME) for Analysis of 2, 5-Hexandion in Urine Samples. <b>2020</b> , 12,	
580	Optimization and Modelling of Turbidity Removal of Sewage using High-Gradient Magnetic Separation (HGMS) by Response Surface Methodology (RSM). <b>2020</b> , 28,	
579	Desirability combined response surface methodology approach for optimization of prednisolone acetate loaded chitosan nanoparticles and in-vitro assessment.. <b>2020</b> , 7, 115004	1
578	Application of response surface methodology (RSM) in statistical optimization and pharmaceutical characterization of a patient compliance effervescent tablet formulation of an antiepileptic drug levetiracetam. <b>2020</b> , 6,	4
577	Application of a lab-made ternary Fe-Cr-Al coil vaporizer coupled to ICP OES for boron determination in powdered food after the sample preparation in alkaline media. <b>2020</b> , 157, 104875	1
576	Enzymatic extraction of potato starch: A parametric optimization study using response surface methodology. <b>2020</b> , 22, 48-54	1
575	Optimization of a single-chain antibody fragment overexpression in Escherichia coli using response surface methodology. <b>2015</b> , 10, 75-83	23
574	Optimization of Fermentation Conditions for Reteplase Expression by Using Response Surface Methodology. <b>2019</b> , 11, 162-168	5
573	Degradation potential of different lignocellulosic residues by Trichoderma longibrachiatum and Trichoderma afroharzianum under solid state fermentation. <b>2022</b> , 112, 6-17	1
572	Optimized modelling and kinetic analysis of nickel recovery from waste orthodontic implants using response surface methodology. <b>2022</b> , 175, 107279	0
571	Development of a needle trap device packed with the Schiff base network-1/single-walled carbon nanotube for sampling phenolic compounds in air. <b>2022</b> , 172, 106984	2
570	Application of response surface methodology for hazard analysis of 2-butanol oxidation to 2-butanone using RC1 calorimetry. <b>2022</b> , 75, 104703	1
569	Reuse of Discharged Soil from Slurry Shield Tunnel Construction as Synchronous Grouting Material. <b>2022</b> , 148,	2
568	Development and Optimization of Microballoons Assisted Floating Tablets of Baclofen. <b>2021</b> , 22, 272	

567	Optimized production, Pb(II) adsorption and characterization of alkali modified hydrochar from sugarcane bagasse. <b>2021</b> , 11, 22328	4
566	Design parameter sensitivity analysis and performance prediction of a novel direct drive double dumbbell flux switching linear generator. 1	0
565	Optimization of Anthraquinone Dye Wastewater Treatment using Ozone in the Presence of Persulfate Ion in a Semi-batch Reactor. <b>2021</b> , 920, 012019	0
564	Application of response surface methodology for modeling and optimization of the extraction and separation of Se(IV) and Te(IV) from nitric acid solution by Cyanex 301 extractant. <b>2021</b> , 104052	
563	Determination of Ketosteroids in Human Urine Using Dispersive Liquid-Liquid Microextraction and Ultra High-Performance Liquid Chromatography-High Resolution Mass Spectrometry. <b>2021</b> , 76, 1305-1311	1
562	Optimisation of operating conditions during coagulation-flocculation process in industrial wastewater treatment using <i>Hylocereus undatus</i> foliage through response surface methodology. <b>2021</b> , 1	1
561	Optimization and Modeling of Ammonia Nitrogen Removal from High Strength Synthetic Wastewater Using Vacuum Thermal Stripping. <b>2021</b> , 9, 2059	0
560	Optimization of <i>Arthrospira maxima</i> cultivation for biomass and protein production and biomass technological treatment to color, flavor, and aroma masking for addition to food products. 1	0
559	RSM-Based Optimization Approach in Production of Anionic Methyl Ester Sulfonate for Commercial Detergent Application. 1	
558	Statistical modeling and optimization for the production of secondary metabolites by lichen mycobiont isolated from <i>Parmotrema austrosinense</i> . <b>2021</b> , 117, 101760	2
557	Development of a CFD-based simulation model and optimization of thermal diffusion column: application on noble gas separation. <b>2021</b> ,	
556	Betalain plant sources, biosynthesis, extraction, stability enhancement methods, bioactivity, and applications.. <b>2022</b> , 151, 110821	5
555	Nematicidal Activity of Cyclopiazonic Acid Derived From Against Root-Knot Nematodes and Optimization of the Culture Fermentation Process.. <b>2021</b> , 12, 726504	0
554	Synthesis of Visible Light Response S-SnO <sub>2</sub> Catalyst for Optimized Photodegradation of Bromophenol Blue..	
553	The Potential Effect of Insulin on AChE and Its Interactions with Rivastigmine In Vitro. <b>2021</b> , 14,	1
552	Electrodegradation of Cyclophosphamide in Artificial Urine by combined methods. <b>2021</b> , 1-37	0
551	How biased are our models? â a case study of the alpine region. <b>2021</b> , 14, 7133-7153	1
550	Assessment and optimization of the oxygen based membrane biofilm reactor as a novel technology for source-diverted greywater treatment. <b>2021</b> , 818, 151763	1

549	Optimum Processing Conditions for Bakasang Using the Response Surface Methodology with Central Composite Design (CCD).. <b>2021</b> , 24, 1269-1277	
548	Fluorometric Assessment of Sulfhydryl Oxidase Activity: Optimization by Response Surface Methodology. <b>2021</b> , 1	0
547	Statistical Modeling and Optimization of Itaconic Acid Reactive Extraction using Response Surface Methodology (RSM) and Artificial Neural Network (ANN). <b>2021</b> , 37, 100806	2
546	Parametric Study of the Extraction of Malic Acid Using Emulsion Liquid Membrane (ELM). 1	0
545	Study on the Interaction of Hot Air Heating Parameters for Asphalt Pavement Based on the Response Surface Method. 1	1
544	Optimization of the ultrasonic-assisted extraction of trans-resveratrol and its glucoside from grapes followed by UPLC-MS/MS using the response surface methodology. 1	0
543	Sulfur(IV) assisted oxidative removal of organic pollutants from source water. <b>2021</b> , 294, 118625	0
542	Experimental design approach to COD and color removal of landfill leachate by the electrooxidation process. <b>2021</b> , 5, 100369	2
541	Ultrasound-Assisted Micellar Cleanup Coupled with Large-Volume-Injection Enrichment for the Analysis of Polar Drugs in Blood and Zebrafish Samples.	
540	Optimization of chromatographic separation of aripiprazole and impurities: Quantitative structure-retention relationship approach. <b>2021</b> , 92-92	1
539	Numerical investigation of DE-AGMD desalination using RSM: Seeking optimal performance. <b>2022</b> , 19, 1075	
538	Development of a Novel Molecularly Imprinted Polyvinylimidazole/Functionalized Carbon Black Nanocomposite-based Paste Electrode for Electrochemical Sensing of Imazethapyr in Rice Samples.	1
537	Simultaneous on-line preconcentration and determination of toxic elements in rice and rice-based products by SPE-ICP-MS: Multiple response optimization. <b>2022</b> , 107, 104388	3
536	Gel Textural Characteristics of Hair Gel with Cocoa Shell Extract by Using Mixture D-optimal Method. <b>2022</b> , 16, 112-119	
535	Trace Determination of Rhodium in Coating Wastewater by Vortex Assisted Magnetic Nanoparticle Based Solid Phase Microextraction (MNP-SPME) Combined with Slotted Quartz Tube-Flame Atomic Absorption Spectrometry (SQT-FAAS) with Matrix Matching Calibration. 1-13	
534	Optimisation of onion bulb curing using a heat and mass transfer model. <b>2022</b> , 214, 42-57	0
533	Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate.. <b>2021</b> , 290, 133255	4
532	Determination of 3-nitrobenzanthrone, its metabolites, and 41 polycyclic aromatic compounds (16 PAHs, 19 nitro-PAHs, and 6 oxy-PAHs) in ascidians (Phallusia nigra). <b>2022</b> , 174, 107081	0



531	Magnesium recovery from desalination reject brine as pretreatment for membraneless electrolysis. <b>2022</b> , 525, 115489	1
530	Optimization of a recompression supercritical nitrous oxide and helium Brayton cycle for space nuclear system. <b>2022</b> , 242, 123023	0
529	Comparative study on the optimization and characterization of soybean aqueous extract based composite film using response surface methodology (RSM) and artificial neural network (ANN). <b>2022</b> , 31, 100778	1
528	Electrochemical degradation of 2,4-Dinitrotoluene (DNT) from aqueous solutions using three-dimensional electrocatalytic reactor (3DER): Degradation pathway, evaluation of toxicity and optimization using RSM-CCD. <b>2022</b> , 15, 103648	8
527	Design and synthesis of a new magnetic molecularly imprinted polymer nanocomposite for specific adsorption and separation of diazinon insecticides from aqueous media. <b>2022</b> , 175, 107087	3
526	Tandem Organic Solar Cell Optimization Using Response Surface Methodology. <b>2020</b> ,	
525	Self-Optimizing Support Vector Elastic Net. <b>2020</b> , 92, 15306-15316	1
524	Optimization of HPLC-FLD Conditions Using Analytical Quality by Design Approach for Quantification of Silodosin in Pharmaceutical Dosage Form.	
523	Monitoring the recovery of bioactive molecules from <i>Moringa oleifera</i> leaves: microwave treatment vs ultrasound treatment. 1	0
522	Design of Experiment (DoE) for Optimization of HPLC Conditions for the Simultaneous Fractionation of Seven $\alpha$ -Amylase/Trypsin Inhibitors from Wheat ( <i>Triticum aestivum</i> L.). <b>2022</b> , 10, 259	0
521	New Advances in the Phenolic Composition of Tiger Nut (L.) by-Products.. <b>2022</b> , 11,	1
520	Effect of electrospraying conditions on the properties of aspalathin-Eudragit S100 nanoparticles and assessment of orogastrointestinal stability and membrane permeability.	2
519	Evaluation of the Mucoadhesive Properties of Chitosan-Based Microstructured Lipid Carrier (CH-MLC).. <b>2022</b> , 14,	0
518	Antibacterial and in vivo studies of poly( $\epsilon$ -caprolactone)-silver electrospun nanofibers: effect of preparation methods on the properties. 1-12	0
517	Investigation on Milling Quality of Stoneâ€Plastic Composite Using Response Surface Methodology. 1	3
516	Extraction Induced by Emulsion Breaking for Ca, Fe, Mg, and Zn Determination in Edible Oils Using High-Resolution Continuous Source Flame Atomic Absorption Spectrometry. 1	1
515	Application of nanotechnology in pesticides adsorption with statistical optimization and modeling. <b>2022</b> , 65-99	
514	Stir bar sorptive-dispersive microextraction by a poly(methacrylic acid-co-ethylene glycol dimethacrylate)-based magnetic sorbent for the determination of tricyclic antidepressants and their main active metabolites in human urine.. <b>2022</b> , 189, 52	0

513	Extraction of Polyphenols from Olive Leaves Employing Deep Eutectic Solvents: The Application of Chemometrics to a Quantitative Study on Antioxidant Compounds. <b>2022</b> , 12, 831	1
512	Combined Effects of Polymer/Surfactant Mixtures on Some Physicochemical Properties Using BoxâBehnken Design. 1	
511	Effect of hydrothermal reaction conditions on hydrochar from microalgae. 1	
510	Optimization of Ultrasound-Assisted Extraction and Encapsulation of Antioxidants from Orange Peels in Alginate-Chitosan Microparticles.. <b>2022</b> , 11,	0
509	Rational design of a new variant of Reteplase with optimized physicochemical profile and large-scale production in Escherichia coli.. <b>2022</b> , 38, 29	
508	Optimization of Cr(III) transport in a polymer inclusion membrane system through experimental design strategies. <b>2022</b> , 76, 2235	0
507	Black garlic fermentation with green tea extract reduced HMF and improved bioactive properties: optimization study with response surface methodology. <b>2022</b> , 16, 1340	0
506	Evaluation of Physicochemical and Functional Properties of Vicia villosa Seed Protein. 1	0
505	Composition and Techno-functional Properties of Grape Seed Flour Protein Extracts. <b>2022</b> , 2, 125-135	1
504	Optimisation of a photocatalytic water treatment using response surface methodology and quality by design Approach. 1-17	1
503	Growth of MWCNTs from Azadirachta indica oil for optimization of chromium(VI) removal efficiency using machine learning approach.. <b>2022</b> , 1	5
502	Thermodynamic performance and emission prediction of CI engine fueled with diesel and Vachellia nilotica (Babul) biomass-based producer gas and optimization using RSM. 1-25	0
501	Mass and energy balance-assisted data-driven modeling and optimization of batch processes: The case of a batch polymerization process. <b>2022</b> , 160, 107701	
500	Influence of hydrophilic and hydrophobic functional monomers on the performance of magnetic molecularly imprinted polymers for selective recognition of human insulin. <b>2022</b> , 171, 105152	0
499	Statistical analysis of MAG-CMT welding parameters and their influence on the Ni-alloy weld overlay quality on 16Mo3 base material.	0
498	Optimization of ultrasound extraction of functional compound from makiang seed by response surface methodology and antimicrobial activity of optimized extract with its application in orange juice.. <b>2022</b> , 83, 105916	2
497	Inhibition of mild steel corrosion in 1 M H2SO4 by a gemini surfactant 1,6-hexyldiyl-bis-(dimethyldodecylammonium bromide): ANN, RSM predictive modeling, quantum chemical and MD simulation studies. <b>2022</b> , 350, 118533	6
496	Influence of TiO2 dispersion on silica support toward enhanced amine assisted CO2 photoconversion to methanol. <b>2022</b> , 58, 101901	1

495	OPTIMIZATION OF ULTRASOUND-ASSISTED EXTRACTION OF OLIVE LEAF (var. HALHALI) EXTRACTS.	1
494	Poly(lactic acid)-poly(ethylene glycol)/Magnesium Silicate Membrane for Methylene Blue Removal: Adsorption Behavior, Mechanism, Ionic Strength and Reusability Studies.. <b>2022</b> , 12,	1
493	Development of a methodology based on headspace solid-phase microextraction coupled to gas chromatography-mass spectrometry for the analysis of esters in brandies. <b>2022</b> , 108, 104458	3
492	Optimization of the factors affecting BT-2 black tea fermentation by observing their combined effects on the quality parameters of made tea using Response Surface Methodology (RSM).. <b>2022</b> , 8, e08948	2
491	Optimization of fabrication conditions for low-Pt anode using response surface methodology in high-temperature polymer electrolyte membrane fuel cell. <b>2022</b> ,	2
490	Optimization of Square Wave Voltammetry (SWV) Parameters by Design of Experiment (DoE) Methodologies for the Determination of Mifepristone at Glassy Carbon Electrode (GCE). <b>2021</b> ,	
489	Optimisation of enzyme-assisted extraction of Erythronium sibiricum bulb polysaccharide and its effects on immunomodulation.. <b>2022</b> , 1	0
488	Throughput Optimization of Molybdenum Carbide Nanoparticle Catalysts in a Continuous Flow Reactor Using Design of Experiments.	0
487	BoxâBehnken experimental design for optimizing the HPLC method to determine hydrochlorothiazide in pharmaceutical formulations and biological fluid. <b>2022</b> , 352, 118708	1
486	An integrated utilization strategy of printed circuit boards and waste tire by fast co-pyrolysis: Value-added products recovery and heteroatoms transformation.. <b>2022</b> , 430, 128420	2
485	Optimization of Microwave-Assisted Extraction of Polyphenols from Lemon Myrtle: Comparison of Modern and Conventional Extraction Techniques Based on Bioactivity and Total Polyphenols in Dry Extracts. <b>2021</b> , 9, 2212	3
484	Statistical Optimization of Nzvi Chemical Synthesis Approach Towards P and No3- Removal from Aqueous Solutions: Cost-Effectiveness & Parametric Effects.	
483	Optimization of dialdehyde soluble soybean polysaccharide: preparation by response surface methodology for cleaner leather tanning.. <b>2022</b> , 12, 7506-7515	0
482	Tuning of Sm3+ and Er3+-Doped Tio2 Nanofibers for the Enhancement of the Photocatalytic Performance: Optimization of the Photodegradation Conditions.	
481	Copper Mineral Leaching Mathematical Models-A Review.. <b>2022</b> , 15,	2
480	HPLC method with post-column derivatization for the analysis of endogenous histidine in human saliva validated using the total-error concept.. <b>2022</b> , 54, 399-409	0
479	Optimization of Extraction Conditions of Carotenoids from by Response Surface Methodology.. <b>2022</b> , 27,	1
478	MoS boosts the Fe/PMS process for carbamazepine degradation.. <b>2022</b> , 1	0

- 477 A Framework for Multi-response Optimization of Healthcare Systems Using Discrete Event Simulation and Response Surface Methodology. 1 0
- 476 Digital Terrain Modelling by Remotely Piloted Aircraft: Optimization and Geometric Uncertainties in Precision Coffee Growing Projects. **2022**, 14, 911 2
- 475 Reducing the Environmental Impacts of Desalination Reject Brine Using Modified Solvay Process Based on Calcium Oxide. **2022**, 14, 2298 1
- 474 Central composite design optimization study of the sorption of Bemacid blue Anthraquinone dye by Fe<sub>3</sub>O<sub>4</sub>-bentonite from a cupric medium. 1-20 1
- 473 Clean Practical Method for Cadmium Recycling from Toxic Material and Optimization of Recycling Process. **2022**, 74, 1945
- 472 Design of Experiment: A Rational and Still Unexplored Approach to Inorganic Materials's Synthesis. **2022**, 3, 114-130
- 471 Dietary Carotenoids Influence Growth, Fillet Pigmentation, and Quality Characteristics of Black Sea Trout (*Salmo labrax* Pallas, 1814). 1
- 470 Kinetics of microwave-assisted extraction of virgin coconut oil from solid coconut waste. 1-18 0
- 469 Development and evaluation of a multi-class analytical method based on solid-phase extraction combined with liquid chromatography-tandem mass spectrometry for the analysis of pharmaceuticals and personal care products in urban wastewater samples.
- 468 Experimental design optimization and isotherm modeling for removal of copper(II) by calcium-terephthalate MOF synthesized from recycled PET waste. 1
- 467 Optimization of fermentation medium and conditions for enhancing valinomycin production by sp. ZJUT-IFE-354.. **2022**, 1-10
- 466 Improving the Industrial Practice of Reactive Washing of Cork Stoppers Using a Fractional Factorial Design.. **2022**, 7, 10901-10909
- 465 Optimization of the Extraction of Total Phenols from *Medicago sativa* and Its Antioxidant Capacity.. **2022**, e202100898 0
- 464 Evaluation of Phenolic Compounds and Pigments Content in Yellow Bell Pepper Wastes.. **2022**, 11, 1
- 463 Water recovery from pistachio processing plant wastewater using subcritical water oxidation method.. **2022**, 1-10 0
- 462 Surface water sodium (Na) concentration prediction using hybrid weighted exponential regression model with gradient-based optimization.. **2022**, 1 1
- 461 Microwave-assisted extraction of *Prunus cerasus* L. peels: Citric acid-based deep eutectic solvents. 433-442
- 460 Production of the 2,5-Furandicarboxylic Acid Bio-Monomer From 5-Hydroxymethylfurfural Over a Molybdenum-Vanadium Oxide Catalyst.. **2022**, 10, 853112

459	Optimization of Nanofiltration Hollow Fiber Membrane Fabrication Process Based on Response Surface Method.. <b>2022</b> , 12,	1
458	Reliability Analysis of Pyrotechnic Igniter for Hydrogen-Oxygen Rocket Engine with Low Temperature Combustion Instability Failure Mode. <b>2022</b> , 12, 3414	1
457	Multivariate regression studies for investigating and setting the action levels for the system water quality parameters of a nuclear plant.	0
456	Removal of Mercury in Aqueous Solutions Using Tri n-Butyl Phosphate-Based Polymer Inclusion Membrane.	1
455	Kinetic Monte Carlo simulation of hydrogen production from photocatalytic water splitting in the presence of methanol by 1 wt% Au/TiO <sub>2</sub> . <b>2022</b> , 47, 12975-12987	0
454	Preparation and characterization of banana trunk activated carbon using H <sub>3</sub> PO <sub>4</sub> activation: A rotatable central composite design approach. <b>2022</b> , 282, 125989	1
453	A comprehensive review on dairy waste-scum as a potential feedstock for biodiesel production. <b>2022</b> , 160, 921-947	0
452	Ultrasound-assisted micellar cleanup coupled with large-volume-injection enrichment for the analysis of polar drugs in blood and zebrafish samples.. <b>2022</b> , 85, 105998	
451	An Emerging Machine Learning Strategy for the Fabrication of Nanozyme Sensor and Voltametric Determination of Benomyl In Agro-Products. <b>2022</b> , 169, 047506	2
450	Immobilization of catalase on functionalized magnetic nanoparticles: a statistical approach.. <b>2022</b> , 12, 108	
449	Optimization of coagulation process for treatment of olive oil mill wastewater using Moringa Oleifera as a natural coagulant, CCD combined with RSM for treatment optimization. <b>2022</b> ,	1
448	Sulfate removal by barium-terephthalate MOF synthesized from recycled PET-waste using Doehlert design optimization. <b>2022</b> , 109388	1
447	Cornering stiffness characteristics of honeycomb wheels: A parametric analysis using response surface method. <b>2022</b> , 288, 115418	0
446	Preparation of carboxymethyl cellulose nanofibers and their application in warp size of textile.. <b>2022</b> ,	0
445	A critical review on the interaction of iron-based nanoparticles with blue-green algae and their metabolites: From mechanisms to applications. <b>2022</b> , 64, 102670	3
444	Characterization of organophosphate pesticide sorption of potato peel biochar as low cost adsorbent for chlorpyrifos removal.. <b>2022</b> , 134112	1
443	Water-compatible synthesis of core-shell polysilicate molecularly imprinted polymer on polyvinylpyrrolidone capped gold nanoparticles for electrochemical sensing of uric acid. <b>2022</b> , 177, 107312	2
442	Chitosan-coated nanostructured lipid carriers for transdermal delivery of tetrahydrocurcumin for breast cancer therapy.. <b>2022</b> , 288, 119401	6

- 441 Simultaneous effect of cathode potentials and magnetite concentrations on methanogenesis of acetic acid under different ammonia conditions. **2022**, 27, 210317-0 0
- 440 Application of response surface method in the separation of radioactive material: a review. **2022**, 110, 51-66 0
- 439 Design of experiments (DOE) for adsorptive desulfurization (ADS) of liquid fuels âA review. **2021**, 3
- 438 Ultrasonic modulated osmotic dehydration of Aonla ( *Phyllanthus emblica* L.) slices: An integrated modeling through ANN, GPR, and RSM. **2022**, 46, 0
- 437 Removal of Copper, Nickel, and Zinc Ions from an Aqueous Solution through Electrochemical and Nanofiltration Membrane Processes. **2022**, 12, 280 3
- 436 Application of BoxâBehnken Design and Desirability function in the Optimization of Aceclofenac-Loaded Micropsonges for Topical Application. **2021**, 6295-6303 3
- 435 Optimization of Commercial Microwave Assisted-Extraction Conditions for Recovery of Phenolics from Lemon-Scented Tee Tree () and Comparison with Other Extraction Techniques.. **2021**, 11, 1
- 434 DEVELOPMENT AND VALIDATION OF HIGH-PERFORMANCE THIN LAYERCHROMATOGRAPHIC METHOD FOR CIPROFLOXACIN BY QUALITY BY DESIGN APPROACH. 39-43
- 433 An Overview on the Use of Response Surface Methodology to Model and Optimize Extraction Processes in the Food Industry. **2021**, 9, 745-754 1
- 432 D-optimal design for electrochemical simultaneous determination of bentazon and fenamiphos in natural waters. 1-14 2
- 431 Optimizing the Desorption Technology of Total Flavonoids of from Separating Materials of Activated Carbon.. **2021**, 6, 35002-35013 0
- 430 Taguchi design Analysis for optimization of probiotics cholesterol assimilation. **2021**,
- 429 Optimization of phenolics and antioxidants extraction from *Centaurium erythraea* using response surface methodology. **2021**, 6455-6462
- 428 Optimization of Electromagnetic Devices using a RSM Enhanced ACOR Algorithm. **2022**, 45, 39-45
- 427 High-yield production of secoisolariciresinol diglucoside from flaxseed hull by extraction with alcoholic ammonium hydroxide and chromatography on microporous resin. **2021**, 3, 1
- 426 Solvent terminated natural deep eutectic solvent microextraction for concentration of curcuminoids in *Curcuma Longae Rhizoma* and turmeric tea.. **2022**, 0
- 425 Optimization and Modeling of Solid-liquid multivariable extractor (SoLVE): a new solution for tomato waste valorization. **2022**, 0
- 424 Optimizing conditions for using deep eutectic solvents to extract lignin from black liquor. 1 0

- 423 Antibacterial Effects of Drug-Coated Pearl Nuclei Used for Freshwater Pearl Cultivation. **2022**, 41, 100251. [View](#) [Download](#)
- 422 Sunlight-driven antibacterial activity of a novel Zinc Oxide Quantum dot and its optimization using Box-Behnken design - A medicament for communicable disease protective wearables.. **2022**, 134631. [View](#) [Download](#)
- 421 Bioaccumulation of abacavir and efavirenz in *Rhinella arenarum* tadpoles after exposure to environmentally relevant concentrations.. **2022**, 134631. [View](#) [Download](#)
- 420 Operando and Dynamic Interlayer Bonded Polyphenylene Sulfide 3D-Printing for Lightweight Automotive Component Manufacturing. **2022**, 102780. [View](#) [Download](#)
- 419 Influence of a LAS-based modifying admixture on cement-based composites containing steel slag powder. **2022**, 104517. [View](#) [Download](#)
- 418 Heterogeneous Fenton-like degradation of tartrazine using CuFe2O4 nanoparticles synthesized by sol-gel combustion. **2022**, 9, 100251. [View](#) [Download](#)
- 417 Optimization of properties of concrete prepared with waste glass aggregate and condensed milk can fiber using response surface methodology. **2022**, 8, 100478. [View](#) [Download](#)
- 416 Image\_1.TIF. **2019**, 100478. [View](#) [Download](#)
- 415 Image\_2.TIF. **2019**, 100478. [View](#) [Download](#)
- 414 Image\_3.TIF. **2019**, 100478. [View](#) [Download](#)
- 413 Image\_4.TIF. **2019**, 100478. [View](#) [Download](#)
- 412 Table\_1.DOCX. **2019**, 100478. [View](#) [Download](#)
- 411 Table\_2.DOCX. **2019**, 100478. [View](#) [Download](#)
- 410 Table\_3.DOCX. **2019**, 100478. [View](#) [Download](#)
- 409 Table\_4.DOCX. **2019**, 100478. [View](#) [Download](#)
- 408 Table\_5.DOCX. **2019**, 100478. [View](#) [Download](#)
- 407 Table\_1.DOCX. **2020**, 100478. [View](#) [Download](#)
- 406 Data\_Sheet\_1.PDF. **2018**, 100478. [View](#) [Download](#)



405 Image1.JPEG. **2018**,

404 Table1.docx. **2018**,

403 Investigation on the Occurrence of Multiple Bisphenol Analogues and Their Metabolites in Serum from Healthy Blood Donors.

402 A Novel Method to Produce Nitrogen Fertilizer with Low Energy Consumption by Efficiently Adsorpting and Separating Waste Ammonia.

401 Efficient Synthesis of High-Purity Y Zeolite from Kaolin Activated by Microwave Heating.

400 Optimization of Combustion Parameters of Carbonized Rice Husk Briquettes in a Fixed Bed Using Rsm Technique. o

399 Evaluation of autoclave assisted sulfuric-acid-catalyzed pretreatments for the liberation of reducing sugars from Parthenium hysterophorus: a response surface approach. 1-13 1

398 Refining Cannabidiol Using Wiped-Film Molecular Distillation: Experimentation, Process Modeling, and Prediction. 1

397 Processing wet microalgae for direct biodiesel production: optimization of the two-stage process assisted by radio frequency heating. 1-9

396 Adsorption Mechanism of Chloropropanol by Crystalline Nanocellulose.. **2022**, 14, o

395 Thermodynamic approach to simulate current densities of energy-harvesting microbial electrochemical systems fed with human urine. **2022**, 101058 o

394 Parameter optimization of particle-reinforced adhesive bonded joints based on the response surface method. 1-15

393 The Application of Chemometric Methods in the Production of Enzymes Through Solid State Fermentation Uses the Artificial Neural Networkâ Review.

392 Mathematical Modeling of Electro-Coagulation Process. **2022**, 79-117

391 Process Optimization for Catalytic Oxidation of Dibenzothiophene over UiO-66-NH2 by Using a Response Surface Methodology. o

390 Modeling and optimization for adsorption of thorium (IV) ions using nano Gd:ZnO: application of response surface methodology (RSM) and artificial neural network (ANN). 1-11

389 Natural deep eutectic solvent-decorated magnetic layered double hydroxide as a sorbent for the enrichment of organochlorine pesticides in environmental samples.. **2022**, 1673, 463111 1

388 Simultaneous optimization of the extraction process of Yangyin Yiqi Huoxue prescription with natural deep eutectic solvents for optimal extraction yield and antioxidant activity: A comparative study of two models.. **2022**, 102, 154156 o

387	Optimization of the demulsification of water-in-heavy crude oil emulsions using response surface methodology. <b>2022</b> , 323, 124270	7
386	Surrogate models for lithium-ion battery heat generation based on orthogonal experiments by eliminating external wire connection effect. <b>2022</b> , 118655	0
385	Impact prediction model of acetone at various ignition advance by artificial neural network and response surface methodology techniques for spark ignition engine. <b>2022</b> , 77, 7	0
384	Optimization of heat and ultrasound assisted extraction of bioactive compounds from <i>Echinacea purpurea</i> using Response Surface Methodology. <b>2022</b> , 100399	0
383	New insight of kinetics study on different loading CuO/CNT catalyst and its optimization for p-chloroaniline photodegradation.	
382	Quantification of carbohydrates in human serum using gas chromatography-mass spectrometry with the stable isotope-labeled internal standard method.	0
381	Optimization of ultrasound-assisted extraction of bioactive compounds from peony root ( <i>Paeonia japonica</i> ). <b>2022</b> , 29, 301-310	
380	Modeling the Viscosity Behavior of Crumb Rubber-Modified Binder Using Response Surface Methodology. <b>2022</b> , 34,	1
379	Design of experiments applied to lithium-ion batteries: A literature review. <b>2022</b> , 320, 119305	5
378	Tuning of Sm <sup>3+</sup> and Er <sup>3+</sup> -doped TiO <sub>2</sub> nanofibers for enhancement of the photocatalytic performance: Optimization of the photodegradation conditions. <b>2022</b> , 316, 115317	0
377	A field study on human factor and safety performances in a downstream oil industry. <b>2022</b> , 153, 105795	0
376	Computers in Pharmaceutical Analysis. <b>2022</b> , 593-621	
375	Application of a needle trap device packed with a MIP@MOF nano-composite for efficient sampling and determination of airborne diazinon pesticide. <b>2022</b> , 12, 16267-16276	1
374	Glycosomal thermosensitive in situ gel of duloxetine HCl as a novel nanoplatform for rectal delivery: in vitro optimization and in vivo appraisal.	1
373	Optimization of Process Parameters for Laser Cutting Process of Stainless Steel 304: A Comparative Analysis and Estimation with Taguchi Method and Response Surface Methodology. <b>2022</b> , 2022, 1-14	1
372	Application of Response Surface Methodology for Optimization of Nanosized Zinc Oxide Synthesis Conditions by Electrospinning Technique. <b>2022</b> , 12, 1733	0
371	Response Surface Methodological Approach for Optimizing <i>Theobroma cacao</i> L. Oil Extraction. <b>2022</b> , 12, 5482	
370	Enhanced biodiesel production with improved oxidation stability by water addition to supercritical methanolysis.	

- 369 An intelligent and multi-channel deep feature enhanced framework for predicting difficult-to-measure CTQ. **2022**, 108300 1
- 368 Application of response surface methodology (RSM) for optimizing biomass production in *Nannochloropsis oculata* UTEX 2164. 0
- 367 Enhancing fluoroglucocorticoid defluorination using defluorinated functional strain *Acinetobacter. pittii* C3 via humic acid-mediated biotransformation. **2022**, 129284 0
- 366 Extraction of Polyphenolic Antioxidants from Red Grape Pomace and Olive Leaves: Process Optimization Using a Tailor-Made Tertiary Deep Eutectic Solvent. **2022**, 14, 6864 2
- 365 Medium optimization for submerged fermentative production of  $\beta$ -cyclodextrin glucosyltransferase by isolated novel alkalihalophilic *Bacillus* sp. NCIM 5799 using statistical approach. 0
- 364 Optimal Conditions for Alkaline Treatment of Alginate Extraction from the Brown Seaweed *Sargassum cymosum* C. Agardh by Response Surface Methodology. **2022**, 100141 0
- 363 Effect of brewing conditions on polyphenols in the dark tea (*Camellia sinensis* L.) infusions: content, composition and antioxidant activities. 42, 1
- 362 Optimization of preparation of calcium propionate from eggshell by Response Surface Methodology (RSM). 42, 0
- 361 The role of Nucleic Acid Mimics (NAMs) on FISH-based techniques and applications for microbial detection. **2022**, 127086 0
- 360 DoE-assisted development and validation of a stability-indicating HPLC-DAD method for simultaneous determination of five cannabinoids in *Cannabis sativa* L. based on analytical quality by design (AQbD) concept. 0
- 359 Synthesis of Fatty Acid Methyl Ester from *Croton macrostachyus* (Bisana) Kernel Oil: Parameter Optimization, Engine Performance, and Emission Characteristics for *Croton macrostachyus* Kernel Oil Fatty Acid Methyl Ester Blend with Mineral Diesel Fuel. **2022**, 7, 20619-20633 1
- 358 Optimization of Process Conditions for Ultrasound-Assisted L-Cysteine on Inhibition of Polyphenol Oxidase Activity from Fresh-Cut Potato Using Response Surface Methodology. 0
- 357 Corrosion potential and electromagnetic shielding effectiveness of geopolymer tiles produced with waste metal particles. **2022**, 47, 0
- 356 Optimization of biomass production by *Chlorella saccharophila* UTEX 247 employing response surface methodology. 0
- 355 A Z-scheme Cobalt(II) oxide-Silver tungstate nano photocatalyst: Experimental design and mechanism study for the degradation of methylene blue. **2022**, 102148 0
- 354 Performance-Based Evaluation of Healing Efficiency on Mechanical Properties of Self-Healing Cementitious Materials Incorporated with PMMA/Epoxy Microcapsule. **2022**, 14, 2497 0
- 353 Investigation of a spherical pendulum electromagnetic generator for harvesting energy from environmental vibrations and optimization using response surface methodology. **2022**, 266, 115824 0
- 352 Chemometric optimization of salting-out assisted liquid-liquid extraction (SALLE) combined with LC-MS/MS for the analysis of carvedilol enantiomers in human plasma: Application to clinical pharmacokinetics. **2022**, 1205, 123338 0

- 351 Removal of pharmaceuticals from wastewater: A review of adsorptive approaches, modelling and mechanisms for metformin and macrolides. **2022**, 10, 108106 1
- 350 Extraction techniques in food industry: Insights into process parameters and their optimization. **2022**, 166, 113207 0
- 349 Green chromatography as a novel alternative for the quality control of *Serjania marginata* Casar. Leaves. **2022**, 181, 107671 0
- 348 Development and Characterization of a Miniaturized, Low-Cost Cross-Flow Direct Evaporative Cooler. 0
- 347 Optimisation of Soursop Juice Recovery by Alpha Amylase Produced by *Aspergillus niger* Using Statistical Tool. **2022**, 113-125 0
- 346 Pectinase Production and Application in the Last Decade: A Systemic Review. **2022**, 137-149 0
- 345 Characterization and Genomic Analysis of a Nitrate Reducing Bacterium from Shale Oil in the Ordos Basin and the Associated Biosurfactant Production. 0
- 344 Phospholipid complexation: A versatile technique for delivery of phytomedicine. **2022**, 65-108 0
- 343 Removal of methylene blue and crystal violet in binary aqueous solution by magnetic *Terminalia catappa* kernel shell biosorbent using BoxâBehnken design. 0
- 342 Integrated ozone-sono-Fenton for the enhanced degradation of acid orange 7: process optimization and kinetic evaluation. 0
- 341 Preparation of  $\epsilon$ -Caprolactone/Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanocomposite and Its Application to the Remazol Brilliant Violet 5R Dye Adsorption from Wastewaters by Using RSM. 0
- 340 Facile synthesis of surfactant-modified layered double hydroxide magnetic hybrid composite and its application for bisphenol A adsorption: Statistical optimization of operational variables. **2022**, 102171 0
- 339 Application of the response surface method (RSM) based on central composite design (CCD) and design space (DS) to optimize the flotation and the desliming conditions in the recovery of PGMs from mine sludge. 1-24 0
- 338 Removal of organic pollutants (pharmaceuticals and pesticides) from sewage sludge by hydrothermal carbonization using response surface methodology (RSM). 0
- 337 Removal of Carbamazepine in Aqueous Solution by CoS<sub>2</sub>/Fe<sup>2+</sup>/PMS Process. **2022**, 27, 4524 0
- 336 Ultrasound-Assisted Extraction of Anthocyanins from *Malus âRoyaltyâ* Fruits: Optimization, Separation, and Antitumor Activity. **2022**, 27, 4299 1
- 335 Hydrogen-based direct reduction of industrial iron ore pellets: Statistically designed experiments and computational simulation. 2
- 334 Microwave irradiated ammonia nitrogen removal from anaerobically digested liquid dairy manure: a response surface methodology and artificial neural network-based optimization and modeling. **2022**, 108279 0

- 333 Optimization and experimental analysis of sustainable solar collector efficiency under the influence of magnetic nanofluids. 0
- 332 Development of biotin-streptavidin amplified peptide antibody-based ELISA for quantification of  $\beta$ 1-casein in goat milk. **2022**, 109263
- 331 Green Synthesis of Starch Nanoparticles (SNPs) by Esterification with Rosin Acid Catalyzed by Maghnite-H+ (Algerian Montmorillonite) with Enhanced Antioxidant Activity. 1
- 330 Hydrogen production optimization from methanol partial oxidation via ultrasonic sprays using response surface methodology and analysis of variance. 0
- 329 Response surface methodology as a tool for optimization of the extraction of bioactive compounds from plant sources. 5
- 328 Formulation, process optimization, and quality evaluation of barnyard millet ( *Echinochloa frumentacea* ) based ready to eat ( RTE ) extruded snack.
- 327 Boxâ€Behnken Response Surface Methodology Design for Amaranth dye degradation using Gold Nanoparticles. **2022**, 169633 0
- 326 High capacity for selective adsorption of anionic pollutants by a silver(I) 3D cationic supramolecular constructed from a flexible dithione ligand. **2022**, 123422
- 325 Neutronics design optimization of a small modular fast reactor based on response surface methodology. **2022**, 395, 111860
- 324 Design and optimization of free-form surfaces for modular concrete 3D printing. **2022**, 141, 104432
- 323 Fabrication of a magnetic composite by CoFe<sub>2</sub>O<sub>4</sub> and an inorganic polymer for simultaneous photo-degradation of organic pollutants under visible LED light: Bandgap engineering, CCD-RSM modeling, and resolving spectral overlap of analytes. **2022**, 362, 119692 1
- 322 Structural optimization of a rotary joint by hybrid method of FEM, neural-fuzzy and water cycleâ€both flame algorithm for robotics and automation manufacturing. **2022**, 156, 104199 0
- 321 Compression performance analysis of multi-scale modified concrete based on response surface method. **2022**, 17, e01312 0
- 320 Fe<sub>3</sub>O<sub>4</sub>-functionalised biochar for persulphate systems towards the removal of Remazol Brilliant Orange 3R: machine learningâ€Based approach and toxicity analysis. 0
- 319 Effect of Dilute Acid Pretreatment on Melon Seed Husk Structure. **2022**, e01295 0
- 318 Mango â€riolloâ€by-products as a source of polyphenols with antioxidant capacity. Ultrasound assisted extraction evaluated by response surface methodology and HPLC-ESI-QTOF-MS/MS characterization. **2022**, 396, 133738 0
- 317 Assessment of hydrothermal parameters on alkaline activation of fly ashes using a central composite design. **2021**, 31, 54-61 0
- 316 Developing a Predictive Model and Multi-Objective Optimization of a Photovoltaic/Thermal System Based on Energy and Exergy Analysis Using Response Surface Methodology.

- 315 State-of-the-art review on recent advances in polymer engineering: modeling and optimization through response surface methodology approach. 0
- 314 Impregnation of zinc oxide nanoparticles on activated carbon synthesised from corncob for appraisal of leachate chemical oxygen demand removal potential. 1-24
- 313 Empirical modeling and optimization of kerf characteristics in Nd-YAG laser cutting of Al 6061-T6 sheet. 095440892211120
- 312 The determination method of total polyphenol in tea and substitute tea based on [Ag(HIO6)2]5--luminol chemiluminescence system.
- 311 Factors Affecting the Leaching of Chloropropanols from Pulp Used in the Manufacture of Paper Food Packaging. **2022**, 11, 2284
- 310 Development of a HPLC-UV Method for the Separation and Quantification of Hesperidin, Neohesperidin, Neohesperidin Dihydrochalcone and Hesperetin. 1-5
- 309 Rationally designed in-chain porous metallo-polymeric microsphere: A highly efficient and regenerative scavenger for ultra-trace arsenic from water. **2022**, 138420 0
- 308 Improved anaerobic digestion activity of poultry dung with pumice-supported trace elements: focus on the statistical optimization approach. 0
- 307 Nutritional Evaluation of Sea Buckthorn *â€” Hippophae rhamnoidesâ€”* Berries and the Pharmaceutical Potential of the Fermented Juice. **2022**, 8, 391 1
- 306 Biochar-Mediated Zirconium Ferrite Nanocomposites for Tartrazine Dye Removal from Textile Wastewater. **2022**, 12, 2828 0
- 305 Optimization of carotenoid extraction of a halophilic microalgae. **2022**, 17, e0270650 2
- 304 Mixture design applied to the rheology of clay gel mixtures.
- 303 Long-term storage of microalgae: determination of optimum cryopreservation conditions. 1-9
- 302 Attended home delivery under uncertain travel and response time: a case of Indian public distribution system.
- 301 Optimising zero-valent iron from industrial waste using a modified air-Fenton system to treat cutting oil wastewater using response surface methodology. **2022**, 104213 1
- 300 Optimization and modeling of ammonia nitrogen removal from anaerobically digested liquid dairy manure using vacuum thermal stripping process. **2022**, 158321 0
- 299 Optimization of Production of Polyhydroxyalkanoates (PHAs) from Newly Isolated Ensifer sp. Strain HD34 by Response Surface Methodology. **2022**, 10, 1632 0
- 298 Determination of 19 Fragrance Allergens in Paper Personal Care Products by Headspace SPME-GC-MS with Response Surface Methodology optimization.

- 297 Optimization of Preparation of Cerium-loaded Intercalated Bentonite by Response Surface Method and Genetic Algorithm-back Propagation Neural Network and Its Application in Simultaneous Removal of Ammonia Nitrogen and Phosphorus. **2022**, 51, 886-890
- 296 Modeling biosurfactant production from agroindustrial residues by neural networks and polynomial models adjusted by particle swarm optimization.
- 295 Preparation and evaluation of organosilica nanocapsules encapsulating DCOIT by using the response surface optimization.
- 294 Development and Evaluation of *Elaeagnus rhamnoides* (L.) A. Nelson Oil-Loaded Nanostructured Lipid Carrier for Improved Skin Hydration. **2022**, 12, 8324
- 293 Development of icaricide II loaded polymeric micelles and evaluation of anticancer activity in vitro and in vivo. **2022**, 75, 103652 1
- 292 Multivariate optimization strategy for the sonication-based extraction of *Nardostachys jatamansi* roots and analysis for chemical composition, anti-oxidant and acetylcholinesterase inhibitory potential. **2022**, 89, 106133
- 291 Optimization of process parameters for oleic acid esterification using microwave reactor: Catalytic activity, product distribution and reactor energy model. **2022**, 7, 100127 0
- 290 Evaluation of parameters controlling calcium recovery and CO<sub>2</sub> uptake from desalination reject brine: An optimization approach. **2022**, 369, 133405
- 289 Extraction of astaxanthin from atlantic shrimp by-products using fish oil: Process optimization and operational parameter effects. **2022**, 371, 133609 0
- 288 Copper (II) oxide nanoparticles as additives in RBD palm olein: Experimental analysis and mathematical modelling. **2022**, 363, 119892 0
- 287 Optimization of combustion parameters of carbonized rice husk briquettes in a fixed bed using RSM technique. **2022**, 198, 61-74 0
- 286 Grade-recovery beneficiing and optimization of the froth flotation process of a mid-low phosphate ore using a mixed soybean and sunflower oil as a collector. **2022**, 11, 100287
- 285 A Z-scheme CdS/BiVO<sub>4</sub> photocatalysis towards Eriochrome black T: An experimental design and mechanism study. **2022**, 307, 135925 0
- 284 Prediction and optimization of the process of generating green hydrogen by electrocatalysis: A study using response surface methodology. **2022**, 330, 125610 1
- 283 Nonlinear Boussinesq and Rosseland approximations on 3D flow in an interruption of Ternary nanoparticles with various shapes of densities and conductivity properties. **2022**, 7, 18416-18449 8
- 282 Improved fed-batch processes with *Wickerhamomyces anomalus* WC 1501 for the production of d-arabitol from pure glycerol. **2022**, 21, 0
- 281 Parameter sensitivity analysis of centrifugal spreaders for dispersing metallic powders and material property evaluation for DEM simulation. **2022**, 411, 117958 0
- 280 Subcritical water extraction (SWE) modified by deep eutectic solvent (DES) for pectin recovery from a Brazilian berry by-product. **2022**, 189, 105729 0



- 279 Synthesis of Ag<sub>2</sub>CrO<sub>4</sub>/Ag/Fe<sub>3</sub>O<sub>4</sub>/RGO nanocomposite as a suitable photocatalyst for degradation of methylene blue in aqueous media: RSM modeling, kinetic and energy consumption studies. **2022**, 145, 110004 1
- 278 A comprehensive review of thermoelectric generation optimization by statistical approach: Taguchi method, analysis of variance (ANOVA), and response surface methodology (RSM). **2022**, 169, 112917 3
- 277 Response Surface-Based Approach to Quantify Variability in Recycled-Asphalt Concrete Mixtures. **2022**, 34, 0
- 276 Determination of multiple bisphenol analogues and their metabolites in human serum by liquid chromatography tandem mass spectrometry. **2022**, 312, 120092 0
- 275 Evaluation of the interfacial tension of binary surfactant mixtures and crude oil using the response surface method. **2022**, 366, 120253 0
- 274 Efficient saccharification of *Lycium barbarum* leaf biomass by using enzyme cocktails produced by a novel fungus *Aspergillus costaricensis* LS18. **2022**, 321, 115969 0
- 273 Solvent bar microextraction combined with HPLC-DAD and multivariate optimization for simultaneous determination of three antiarrhythmic drugs in human urine and plasma samples. **2022**, 6, 100140 0
- 272 Trace determination of tetrahydrocannabinol (THC) in cosmetic products by stir bar sorptive dispersive microextraction followed by liquid chromatography-tandem mass spectrometry. **2023**, 253, 123934 0
- 271 Multi-Objective Optimization of Petroleum Engineering Problems Using a Hybrid Workflow: Combination of Combination of Particle Swarm Optimization, Fuzzy Logic, Imperialist Competitive Algorithm and Response Surface Methodology. 0
- 270 Gravimetric and electrochemical statistical optimizations for improving copper corrosion resistance in hydrochloric acid using thiosemicarbazone-linked 3-acetylpyridine. **2022**, 12, 27793-27808 0
- 269 Combination of Electrocoagulation and Electrooxidation for Fishery Industry Effluents. 0
- 268 Implementation of QbD in formulation development of nanocarriers drug delivery systems. **2022**, 0
- 267 Optimization of process technology and quality analysis of a new yogurt fortified with *Morchella esculenta*. 42, 0
- 266 A Hemicellulose-First Approach for Paper Mulberry Biorefinery to Co-Produce Amino Acid-Rich Xylo-Oligosaccharides and Fermentable Monosaccharides. 0
- 265 Supercritical CO<sub>2</sub> extraction, chemical composition, and antioxidant effects of *Coreopsis tinctoria* Nutt. oleoresin. **2022**, 17, 816-826 0
- 264 Structural performance prediction based on the digital twin model: A battery bracket example. **2023**, 229, 108874 0
- 263 Icing Time Prediction Model of Pavement Based on an Improved SVR Model with Response Surface Approach. **2022**, 12, 8109 0
- 262 Optimization of Meloxicam Solid Dispersion Formulations for Dissolution Enhancement and Storage Stability Using 33 Full Factorial Design Based on Response Surface Methodology. **2022**, 23, 0

- 261 Cloning and Characterization of Fructose-1,6-Bisphosphate Aldolase from *Euphausia superba*. **2022**, 23, 10478 ○
- 260 A Comprehensive Review on Green Emulsion Liquid Membrane and Its Applicability Towards the Removal of Contaminants from the Aquatic Streams. **2022**, 233, ○
- 259 Compound stochastic dynamic response investigation of train-multi-span simply supported beam bridge coupling system based on design of experiment modeling. 095440972211256 ○
- 258 Biotic elicitation for enhanced production of plumbagin in regenerated shoot cultures of *Plumbago zeylanica* using response surface methodology. ○
- 257 Biocatalysis assisted by electrochemical processes for the removal of bisphenol A and triclosan in wastewater. **2022**, 102921 1
- 256 Optimization of microwave-assisted esterification of succinic acid using Box-Behnken design approach. ○
- 255 Feasibility of reprocessing gold tailings: Integrated management approach for the control of contaminated neutral mine drainage. **2022**, 187, 107821 ○
- 254 Influence of different parameters on the rheological behavior MWCNT (30%)-TiO<sub>2</sub> (70%) / SAE50 hybrid nano-lubricant using of Response Surface Methodology and Artificial Neural Network methods. **2022**, 104285 ○
- 253 A review of response surface methodology for biogas process optimization. **2022**, 9, 1
- 252 Adsorption and photocatalytic degradation of cationic dyes over bismuth ferrite (BFO) intercalated on liquid natural rubber-based hydrogel compound. **2022**, ○
- 251 Response Surface and Freezing-Out Methodologies for the Extraction, Separation, and Validation of Seven Vitamins in a Novel Supplement with Determination by High-Performance Liquid Chromatography. 1-15 ○
- 250 Formulation development, optimization and characterization of mucoadhesive minitables of cefuroxime axetil: in vitro, ex vivo and in vivo pharmacokinetic evaluation. **2022**, 11, ○
- 249 Optimization of Evaporative Light Scattering Detector using Response Surface Methodology for Liquid Chromatography Analysis of Frondoside A. **2022**, 7, ○
- 248 Optimization of Algicidal Activity for *Alteromonas* sp. FDHY-03 against Harmful Dinoflagellate *Prorocentrum donghaiense*. **2022**, 10, 1274 ○
- 247 Exploring chemical diversity in Glycine max cultivars: A multivariate approach in the search for bioactive compounds against *Spodoptera cosmioides*. 13, ○
- 246 OPTIMIZATION, DEVELOPMENT, AND SAFETY EVALUATION OF OLIVE OIL NANOEMULSION FOR TOPICAL APPLICATION: A RESPONSE SURFACE METHODOLOGY. 167-173 ○
- 245 A Bayesian Network approach for risk analysis of composite subsea pipelines subjected to falling objects. **2022**, 100486 ○
- 244 Thermodynamic, Nonlinear Kinetic, and Isotherm Studies of Bisphenol A Uptake onto Chemically Activated Carbons Derived from Safou (*Dacryodes edulis*) Seeds. **2022**, 2022, 1-17 ○

- 243 Optimizing biochar and conductive carbon black composites as cathode catalysts for microbial fuel cells to improve isopropanol removal and power generation. **2022**, 199, 1318-1328 ○
- 242 New composite membranes based on PVDF fibers loaded with TiO<sub>2</sub>: Sm nanostructures and reinforced with graphene/graphene oxide for photocatalytic applications. **2022**, 34, 102382 ○
- 241 Rheological properties and early mechanical strength of oil-well cement modified by hybrid nano-silica and nano-hexagonal boron nitride. **2022**, 356, 129291 ○
- 240 Removal of Alizarin red S by calcium-terephthalate MOF synthesized from recycled PET-waste using Box-Behnken and Taguchi designs optimization approaches. **2022**, 316, 123560 1
- 239 Optimized formulation of waterproof coating based on polymer and sodium silicate-activated GGBS using Box Behnken design - Selection of additives. **2022**, 61, 105220 ○
- 238 Coal fly ash supported ZnO catalyzed transesterification of Jatropha curcas oil: Optimization by response surface methodology. **2022**, 16, 100302 ○
- 237 Production of Biodiesel Using Phosphate Rock as a Heterogeneous Catalyst. An Optimized Process Using Surface Response Methodology. **2022**, 26, 822-835 ○
- 236 The effects of processing parameters on structure of mesoporous Alumina granules synthesized by sol-gel/oil-drop method: Modelling via response surface methodology. **2022**, 16, 267-275 ○
- 235 Investigation and Optimisation of the Rheological Properties of Magnesium Potassium Phosphate Cement with Response Surface Methodology. **2022**, 15, 6815 ○
- 234 Ultrasonic-Assisted Rapid Preparation of Sulfonated Polyether Ether Ketone (PEEK) and Its Testing in Adsorption of Cationic Species from Aqueous Solutions. **2022**, 15, 7558 1
- 233 Optimization, purification, and characterization of xylanase production by a newly isolated *Trichoderma harzianum* strain by a two-step statistical experimental design strategy. **2022**, 12, ○
- 232 Effect of Aluminium oxide nano additives with Sal biodiesel blend as a potential alternative fuel for existing DI diesel engine. 0958305X2211332 ○
- 231 Electrocoagulation of Corrugated Box Industrial Effluents and Optimization by Response Surface Methodology. 1
- 230 Effect of Phase-Change Materials on Laboratory-Made Insoles: Analysis of Environmental Conditions. **2022**, 15, 6967 ○
- 229 Calibration and Testing of Discrete Element Simulation Parameters for Sandy Soils in Potato Growing Areas. **2022**, 12, 10125 ○
- 228 Application of multivariate analysis techniques in the evaluation of metal content in industrialized spices. ○
- 227 Quality by Design Guided Development of Polymeric Nanospheres of Terbinafine Hydrochloride for Topical Treatment of Onychomycosis Using a Nano-Gel Formulation. **2022**, 14, 2170 ○
- 226 Development and Optimization of a New UPLC-UV/MS Method through DoE and MLR for Detecting Substandard Drug Products to Treat Tuberculosis. **2022**, 27, 7141 ○

- 225 Optimizing the composition of gelatin methacryloyl and hyaluronic acid methacryloyl hydrogels to maximize mechanical and transport properties using response surface methodology. ○
- 224 Conversion of sachinchi (*Plukenetia volubilis* L.) residues into potential prebiotic oligosaccharides. ○
- 223 Performance and exhaust emissions analysis of a diesel engine running on diesel /diethyl ether/biogas as a green fuel. **2022**, 44, 9395-9411 ○
- 222 Resveratrol biosynthesis, optimization, induction, bio-transformation and bio-degradation in mycoendophytes. 13, ○
- 221 Ultra-low protein residue of chitosan by one step H<sub>2</sub>O<sub>2</sub> and sodium dodecyl sulfate treatment. **2022**, ○
- 220 Application of Electrochemically Reduced Water for New No-Rinse Shampoo: Design and Optimization Using Response Surface Methodology. **2022**, 9, 104 ○
- 219 Optimization of bioethanol production from sugarcane molasses by the response surface methodology using *Meyerozyma caribbica* isolate MJTm3. ○
- 218 Analytical Quality by Design (AQbD) Approach to the Development of Analytical Procedures for Medicinal Plants. **2022**, 11, 2960 1
- 217 Effects of a novel Mg-C micro-electrolysis system for phenolic wastewater degradation: material characterization, influencing factors, and model optimization. 1-39 ○
- 216 Oxidation of 2,6-dimethyl phenol in supercritical water: experimental and molecular dynamics simulation study. ○
- 215 The effect of torrefaction temperature and catalyst loading in Microwave-Assisted in-situ catalytic Co-Pyrolysis of torrefied biomass and plastic wastes. **2022**, 364, 128099 ○
- 214 Layout optimization of box girder with RBF-NNM-APSO algorithm. ○
- 213 Solid-state fermentation for the production of *Monascus* pigments from soybean meals. **2022**, 102531 ○
- 212 Experimental research on laser thermal rock breaking and optimization of the process parameters. **2022**, 160, 105251 ○
- 211 Characterization and genomic analysis of a nitrate reducing bacterium from shale oil in the Ordos Basin and the associated biosurfactant production. **2022**, 10, 108776 ○
- 210 A hemicellulose-first approach for paper mulberry biowaste biorefinery to co-produce amino acid-rich xylo-oligosaccharides and fermentable monosaccharides. **2022**, 189, 115730 ○
- 209 Pulsed ultrasound-assisted extraction followed by purification with SBA-15 for the control of opium alkaloids in biscuits and sponge cakes. **2022**, 183, 108059 3
- 208 Optimization of preparation of lignite-based activated carbon for high-performance supercapacitors with response surface methodology. **2022**, 56, 105913 ○

207	The first fully optimized and validated SPE-LC-MS/MS method for determination of the new-generation neonicotinoids in surface water samples. <b>2023</b> , 310, 136868	0
206	Optimization of Removal of Cr(VI) from Wastewater by Electrocoagulation Process Using Response Surface Methodology. <b>2023</b> , 27,	1
205	Modal properties of honeycomb wheels: A parametric analysis using response surface method. <b>2023</b> , 97, 104842	0
204	Application of response surface modeling optimization in UV spectrophotometric determination of 4-aminobenzoic acid by molecularly imprinted polypyrrole. <b>2023</b> , 286, 122034	0
203	Optimized Preparation and High-Temperature Performance of Composite-Modified Asphalt Binder with CR and WEO. <b>2023</b> , 35,	0
202	Evaluation of aerobic biodegradation of phenanthrene using <i>Pseudomonas turukhanskensis</i> : an optimized study.	0
201	Electrometallurgical recovery of nickel and vanadium from spent desulfurization catalysts using an acidic leaching-electrolysis technique.	0
200	Electrocoagulation followed by sound agitation for removal of nitrogen and carbon-based pollutants from industrial wastewater.	0
199	Adsorptive Optimization of Crystal Violet Dye Using Central Composite Rotatable Design and Response Surface Methodology: Statistical Analysis, Kinetic and Isotherm Studies.	0
198	The optimization of tetrahydrofuran as a co-solvent on biodiesel production from rubber seeds using response surface methodology. <b>2022</b> ,	1
197	Instant quantification of sugars in milk tablets using near-infrared spectroscopy and chemometric tools. <b>2022</b> , 12,	0
196	New challenges in sample preparation: Miniaturized stir bar sorptive dispersive microextraction as a high-throughput and feasible approach for low-availability sample preparation. <b>2022</b> , 340627	1
195	Application of phosphonium deep eutectic solvents as extractants in ultrasound-assisted dispersive liquid-liquid microextraction for preconcentration of trace amounts of herbicides in drainage ditches waters.	0
194	An optimization study for preventing silica gelation and improving filtration effectiveness during pH reduction of high concentration silica solutions.	0
193	Experimental optimization of the supercritical fluid extraction of triterpenoids from <i>Acacia dealbata</i> Link. leaves. <b>2022</b> , 122637	1
192	Statistical optimization of nZVI chemical synthesis approach towards P and NO <sub>3</sub> <sup>-</sup> removal from aqueous solutions: Cost-effectiveness & parametric effects. <b>2022</b> , 137176	0
191	Green and efficient synthesis of high-purity Y zeolite using natural raw material-kaolin activated by microwave heating. <b>2022</b> , 128,	0
190	Quaternary composite of CdS/g-C <sub>3</sub> N <sub>4</sub> /rGO/CMC as a susceptible visible-light photocatalyst for effective abatement of ciprofloxacin: Optimization and modeling of the process by RSM and ANN. <b>2022</b> ,	0

- 189 Data Visualization for High-Throughput Experimentation. 59-86 ○
- 188 Effects of Gypsum and Vermicompost on Aggregate Stability of Bauxite against Liquefaction. ○
- 187 Design of Experiments for Nanocrystal Syntheses: A How-To Guide for Proper Implementation. 1
- 186 Multivariate Optimization Procedure for Dynamic Headspace Extractions Coupled to GC(1C). 2022 , 163-170 ○
- 185 Application of Boxâ&Behnken design combined response surface methodology to optimize HPLC and spectrophotometric techniques for quantifying febuxostat in pharmaceutical formulations and spiked wastewater samples. 2022, 108191 ○
- 184 Applications of Advanced Oxidation Processes (Electro-Fenton and Sono-electro-Fenton) for COD Removal from Hospital Wastewater: Optimization using Response Surface Methodology. 2022, ○
- 183 COD Reduction of Aeration Effluent by Utilizing Optimum Quantities of UV/H2O2/O3 in a Small-Scale Reactor. 2022, 10, 2441 ○
- 182 DEVELOPMENT AND VALIDATION OF NOVEL RP-HPLC-DAD METHOD FOR QUANTIFICATION OF LAPATINIB DITOSYLATE IN NEWER NANO-LIPOSOME FORMULATION: A QUALITY BY DESIGN (QBD) APPROACH. 239-250 ○
- 181 Response surface methodology-based quantification of lamivudine and zidovudine using reverse-phase high-performance liquid chromatography in pharmaceutical formulation. 2022, 14, 200 ○
- 180 Study and optimization of the adsorption process of methylene blue dye in reusable polyaniline-magnetite composites. 2023, 292, 117232 ○
- 179 Optimization of a combined electrocoagulation-electro-oxidation process for the treatment of Al-Basra Majnoon Oil field wastewater: Adopting a new strategy. 2023, 183, 109227 ○
- 178 Optimization of liquid-liquid extraction of calcium with a serpentine microfluidic device. 2023, 140, 106551 2
- 177 Extractive-catalytic oxidative desulfurization of a model fuel over vanadium-containing heteropolyacids immobilized on amine-functionalized magnetic graphene oxide: a comparative study between Keggin and Dawson-type heteropolyacids and process optimization via response surface methodology. ○
- 176 Magnetic multi-walled carbon nanotubes as an efficient sorbent for pirimicarb removal from aqueous solutions in continuous (FBAC) and batch formats: thermodynamic, kinetic, isotherm study, optimization and modeling by RSM-ANN. 2023, 370, 120915 ○
- 175 The metalâ&organic framework PCN-250 for the extraction of endocrine disrupting compounds in human urine by stir bar sorptive dispersive microextraction. 2023, 185, 108277 ○
- 174 Optimization via response surface methodology of palm kernel shell biochar for supplementary cementitious replacement. 2023, 313, 137477 ○
- 173 Optimal conditions for anthocyanin extract microencapsulation in taro starch: Physicochemical characterization and bioaccessibility in gastrointestinal conditions. 2023, 227, 83-92 ○
- 172 Thermodynamic analysis and multi-objective optimization of a waste heat recovery system with a combined supercritical/transcritical CO2 cycle. 2023, 265, 126332 ○

171	Adsorption of thorium (IV) ions using a novel borate-based nano material Ca <sub>3</sub> Y <sub>2</sub> B <sub>4</sub> O <sub>12</sub> : Application of response surface methodology and Artificial Neural Network. <b>2023</b> , 192, 110606	o
170	Optimization of extraction conditions for LC-ToF-MS analysis of mevalonate pathway metabolites in engineered E. coli strain via statistical experimental designs. <b>2023</b> , 254, 124182	o
169	Sequential Extraction of Functional Compounds from Citrus reticulata Pomace Using Ultrasonication Technique. <b>2023</b> , 2, 100155	o
168	Preparation of high tensile strength modified cellulose-based strippable coating and its application on radioactive decontamination at low-temperature. <b>2023</b> , 34, 105088	o
167	Chemometrics in Nondestructive Quality Evaluation. <b>2022</b> , 331-355	o
166	Antimicrobial activity and overall sensory acceptance of fermented goat whey beverage: Process conditions optimization using response surface approach. <b>2022</b> , 11, 26-35	o
165	Preventing molten copper penetration to steel grain boundaries during cladding through optimizing GTAW parameters and ferrite band formation. <b>2022</b> , 57, 21219-21236	o
164	Alginate@Fe <sub>3</sub> O <sub>4</sub> @Bentonite nanocomposite for formaldehyde removal from synthetic and real effluent: optimization by central composite design.	o
163	The Experimental Design Approach in Square-Wave Voltammetric Determination of Tamoxifen by NiO-CPE**. <b>2022</b> , 7,	o
162	Establishment of a Sonotrode Ultrasound-Assisted Extraction of Phenolic Compounds from Apple Pomace. <b>2022</b> , 11, 3809	1
161	Determination of Fragrance Allergens in Paper Personal Care Products by Headspace (HS) Solid-Phase Microextraction (SPME) Gas Chromatography-Mass Spectrometry (GC-MS) with Response Surface Methodology (RSM) Optimization. 1-16	o
160	Optimization of chlorophyll extraction from pineapple plantation waste. <b>2022</b> , 8, e11851	o
159	User-Driven Strategy for In Silico Screening of Reversed-Phase Liquid Chromatography Conditions for Known Pharmaceutical-Related Small Molecules. <b>2022</b> , 27, 8306	o
158	Enhanced phycocyanin production of <i>Arthrospira maxima</i> by addition of mineral elements and polypeptides using response surface methodology. 9,	o
157	Parameter Effects and Optimisation in Supercritical Fluid Extraction of Phenolic Compounds from <i>Labisia pumila</i> . <b>2022</b> , 9, 385	o
156	Adsorption of organophosphorus malathion pesticide from aqueous solutions using nano-polypropylene-titanium dioxide composite: Equilibrium, kinetics and Optimization studies.	o
155	Influence of N, K, and Seaweed Extract Fertilization on Biomass, Photosynthetic Pigments, and Essential Oil of <i>Thymus vulgaris</i> : Optimization Study by Response Surface Methodology. <b>2022</b> , 12, 3222	o
154	Fabrication of Electrospun Polycaprolactone/ Xanthan Nanofibers: Modeling and Optimization of Electrospinning Parameters by Central Composite Design.	o



- 153 Statistical Optimisation of Chemical Stability of Hybrid Microwave-Sintered Alumina Ceramics in Nitric Acid. **2022**, 15, 8823 ○
- 152 Fluorometric Protocol for Estimating Peroxiredoxin Activity in Biological Tissues. ○
- 151 Improvement of amidase production with high specific acyltransferase activity using *Bacillus smithii* IITR6B2. **2022**, 102584 ○
- 150 Modeling and optimization of coagulation-flocculation process to remove high phosphate concentration in wastewater from a metal-mechanic industry. ○
- 149 Marine Polyphenol Phlorotannins as a Natural Sleep Aid for Treatment of Insomnia: A Review of Sedativeâ€¦Hypnotic Effects and Mechanism of Action. **2022**, 20, 774 ○
- 148 Developing gasification process of polyethylene waste by utilization of response surface methodology as a machine learning technique and multi-objective optimizer approach. **2022**, ○
- 147 Optimization of *Cordyceps sinensis* fermentation *Marsdenia tenacissima* process and the differences of metabolites before and after fermentation. **2022**, e12586 ○
- 146 Applying a microfluidic device to improve the Ca<sup>2+</sup> separation performance of the liquidâ€¦liquid extraction process. **2022**, 12, ○
- 145 Response surface methodology (RSM)-based statistical modeling and optimization of the ultrasound-assisted extraction of saffron bioactives. ○
- 144 Comparative assessment on ammonia nitrogen adsorption onto a saline soilâ€¦groundwater environment: distribution, multi-factor interaction, and optimization using response surface methodology and artificial neural network. ○
- 143 Bidirectional hyperelastic characterization of brain white matter tissue. ○
- 142 DEVELOPMENT AND OPTIMIZATION OF STABILITY-INDICATING METHOD OF ETHINYLESTRADIOL, LEVONORGESTREL, AND THEIR MAIN IMPURITIES USING QUALITY BY DESIGN APPROACH. **2022**, 115208 ○
- 141 Optimization of Plasma-activated Water and Validation of a Potential Surrogate for Salmonella for Future Egg Washing Processes. **2022**, 100029 ○
- 140 Simultaneous Optimization of Phenolic Compounds and Antioxidant Abilities of Moroccan *Pimpinella anisum* Extracts Using Mixture Design Methodology. **2022**, 10, 2580 ○
- 139 Process Optimization of Phytoantioxidant and Photoprotective Compounds from Carob Pods (*Ceratonia siliqua* L.) Using Ultrasonic Assisted Extraction Method. **2022**, 27, 8802 2
- 138 Effectiveness of time and temperature on antioxidant activity and curcumin loss of the prepared nanodispersion using the subcritical water technique. ○
- 137 Optimizing lactic acid production for agricultural wastes revalorization via sugars hydrothermal conversion with zirconia-based catalysts: response surface methodology. ○
- 136 Key defatting tissue pretreatment protocol for enhanced MALDI MS Imaging of peptide biomarkers visualization in the castor beans and their attribution applications. 13, ○

- 135 Optimization of the Cutting Parameters Affecting the Turning of AISI 52100 Bearing Steel Using the Box-Behnken Experimental Design Method. **2023**, 13, 3 o
- 134 Optimization of the Acid Cleavage of Proanthocyanidins and Other Polyphenols Extracted from Plant Matrices. **2023**, 28, 66 o
- 133 Natural deep eutectic solvent-ultrasound assisted extraction: A green approach for ellagic acid extraction from *Geum japonicum*. 9, o
- 132 Chemometrics approach for adsorption multi-response optimization of Cu(II), Zn(II), and Cd(II) ions from phosphoric acid solution using natural clay. 1-11 o
- 131 Optimization of Adsorption Parameters for Removal of Cationic Dyes on Lignocellulosic Agricultural Waste Modified by Citric Acid: Central Composite Design. **2023**, 7, 6 o
- 130 Optimization of Ultrasound- and Microwave-Assisted Extraction for the Determination of Phenolic Compounds in Peach Byproducts Using Experimental Design and Liquid Chromatographyâ€”tandem Mass Spectrometry. **2023**, 28, 518 o
- 129 Optimization of extraction yield, chemical composition, antioxidant, and antimicrobial activities of *Thymus algeriensis* Boiss. & Reut essential oils. **2023**, 47, 102593 o
- 128 Enhanced bioremediation of oil-contaminated soil in a slurry bioreactor by H<sub>2</sub>O<sub>2</sub>-stimulation of oil-degrading/biosurfactant-generating bacteria: performance optimization and bacterial metagenomics. o
- 127 Studies on spray dried topical ophthalmic emulsions containing cyclosporin A (0.05% w/w): systematic optimization, in vitro preclinical toxicity and in vivo assessments. o
- 126 Comprehensive evaluation of solvent in dispersive liquid-liquid microextraction for determination of itraconazole and hydroxy itraconazole by high performance liquid chromatography with fluorescence detection. **2023**, 104565 o
- 125 Optimization of bioethanol production from sugarcane molasses by the response surface methodology using *Meyerozyma caribbica* isolate MJTm3. **2023**, 73, o
- 124 Hydrogen generation from NaBH<sub>4</sub> hydrolysis catalyzed by cobalt (0)-Deposited cross-linked polymer brushes: Optimization with an experimental design approach. **2023**, o
- 123 Ultrasonic assisted extraction of polyphenols from bayberry by deep eutectic supramolecular polymer and its application in bio-active film. **2023**, 92, 106283 o
- 122 Optimization of Submerged Culture Parameters of the Aphid Pathogenic Fungus *Fusarium equiseti* Based on Sporulation and Mycelial Biomass. **2023**, 11, 190 1
- 121 pH-responsive switchable deep eutectic solvents to mediate pretreatment method for trace analysis of triazole fungicides in peel wastes. **2023**, 135486 o
- 120 Degradation of the Endocrine-Disrupting Compound Triadimenol Using Photo-Fenton Reaction System and Experimental Design. **2023**, 234, o
- 119 Shear capacity prediction of buckling-restrained SPSWs with beam-connected only using response surface method. **2023**, 48, 304-317 o
- 118 The secret of reversed-phase/weak cation exchange retention mechanisms in mixed-mode liquid chromatography applied for small drug molecule analysis. **2023**, 1690, 463776 o

- <sup>117</sup> Selecting superior fin geometry among four suggested geometries for shell and helically coiled finned tube heat exchangers with numerical simulation and experimental validation. **2023**, 17, 100867 ○
- <sup>116</sup> Gaps and requirements for applying automatic architectural design to building renovation. **2023**, 147, 104742 1
- <sup>115</sup> Utilizing hybrid metaheuristic approach to design an agricultural closed-loop supply chain network. **2023**, 217, 119504 ○
- <sup>114</sup> Optimization of amount of spices, roasting temperature and time for field pea (*Pisum Sativum*) Shiro flour using response surface methodology. **2023**, 3, 100257 ○
- <sup>113</sup> Configuring Conventional Dual Signal Controllers for Transit Priority Using the Response Surface Methodology in Congested Urban Traffic Networks. ○
- <sup>112</sup> Fabrication, Optimization, and Evaluation of Paclitaxel and Curcumin Coloaded PLGA Nanoparticles for Improved Antitumor Activity. **2023**, 8, 976-986 1
- <sup>111</sup> An overview of techniques and strategies for isolation of flavonoids from the genus *Erythrina*. 2200800 ○
- <sup>110</sup> Preparation of Heavy Metal Trapping Flocculant Polyacrylamide- $\gamma$ -Glutathione and Its Application for Cadmium Removal from Water. **2023**, 15, 500 ○
- <sup>109</sup> Response surface methodology (RSM): An overview to analyze multivariate data. **2023**, 9, 241-248 ○
- <sup>108</sup> Laboratory-Scale Investigation on Shear Behavior of Non-Persistent Joints and Joint Infill Using Lattice-Spring-Based Synthetic Rock Mass Model. **2023**, 13, 23 ○
- <sup>107</sup> Application of Doehlert Experimental Design for Optimization of a New-Based Hydrophilic Interaction Solid-Phase Extraction of Phenolic Acids from Olive Oils. **2023**, 28, 1073 ○
- <sup>106</sup> Cationic Solid SMEDDS of Efavirenz for Improved Oral Delivery: Development by Central Composite Design, In Vitro and In Vivo Evaluation. **2023**, 24, ○
- <sup>105</sup> Removal of Crystal Violet Dye from Aqueous Solution Using Oued Sebou Sediment (Fez-Morocco): Box-Behnken Optimization and Germination Studies. **2023**, 234, ○
- <sup>104</sup> A simple 3D printed microfluidic device for point-of-care analysis of urinary uric acid. **2023**, ○
- <sup>103</sup> Prediction of surfactin fermentation with *Bacillus subtilis* DSM10 by response surface methodology optimized artificial neural network. ○
- <sup>102</sup> Enantioseparation of amino acid and mandelic acid enantiomers using Josiphos-metal complexes as chiral extractants. ○
- <sup>101</sup> Enhanced Photodegradation of Organic Pollutants by Novel Samarium-Doped Zinc Aluminium Spinel Ferrites. **2023**, 13, 266 ○
- <sup>100</sup> Inactivation of *Escherichia coli* in an Orange Juice Beverage by Combined Ultrasonic and Microwave Treatment. **2023**, 12, 666 ○

- 99 Removal of copper from aqueous solutions by biosorption onto pine sawdust. **2023**, 32, 101016 ○
- 98 Optimization of plasma nitriding parameters on wear rate of Ni-B-CNT electroless coating with different CNT concentration on AISI 4340 steel. **2023**, ○
- 97 Mixed Edge Activators in Ibuprofen-Loaded Transfersomes: An Innovative Optimization Strategy Using BoxâBehnken Factorial Design. **2023**, 15, 1209 ○
- 96 Experimental checking and modeling of the influence of operation conditions on the first order kinetic constants in free water surface wetlands. **2023**, 331, 117348 ○
- 95 High sour natural gas dehydration treatment through low temperature technique: Process simulation, modeling and optimization. **2023**, 320, 138076 ○
- 94 Optimization of density and coefficient of thermal expansion of MWCNT in thermal oil nanofluid and modeling using MLP and response surface methodology. **2023**, 183, 108410 1
- 93 Multi-objective optimization of petroleum engineering problems using a hybrid workflow: Combination of particle swarm optimization, fuzzy logic, imperialist competitive algorithm and response surface methodology. **2023**, 224, 211579 ○
- 92 High-throughput determination of oxidative stress biomarkers in saliva by solvent-assisted dispersive solid-phase extraction for clinical analysis. **2023**, 6, 100067 ○
- 91 A study of a modified design of dumbbell-shaped flux switching tubular linear generator for regular wave energy conversion. **2023**, 208, 287-300 ○
- 90 Flow-through laminar anodes with variable interlaminar distance to modulate the current density of urine-fed bio-electrochemical systems. **2023**, 151, 108408 ○
- 89 Ultrasonication for preparing high-performance phase change material nano-emulsions: Optimization and characterization. **2023**, 380, 121776 ○
- 88 Determining desired sorbent properties for proton-coupled electron transfer-controlled CO<sub>2</sub> capture using an adaptive sampling-refined classifier. **2023**, 274, 118673 ○
- 87 Optimization of hydrogen production by steam methane reforming over Y-promoted Ni/Al<sub>2</sub>O<sub>3</sub> catalyst using response surface methodology. **2023**, 108, 101208 ○
- 86 Novel microwell-based spectrofluorimetric method assisted with fluorescence plate reader for determination of ruxolitinib: Optimization by response surface methodology and application to in-vitro drug release, content uniformity testing and analysis of uâ2023, 7, 100207 ○
- 85 Multivariate optimization of dispersive liquid-liquid microextraction using ionic liquid for the analysis of ultraviolet filters in natural waters. **2023**, 259, 124469 ○
- 84 Effects of pH and temperature of ultrafiltration on the composition and physicochemical properties of hot-water-extracted softwood galactoglucomannans. **2023**, 198, 116656 ○
- 83 Preparation of polymersomes from synthesized hyaluronic acid-graft-poly(ε-caprolactone) copolymers for drug delivery to the brain. **2023**, 30, 101504 ○
- 82 Biosorption of p-chloro meta xylenol (PCMX) by bacterium-encapsulated calcium alginate beads in a novel plug flow process. **2023**, 337, 117764 ○

- 81 Development and optimization of a LC-MS/MS compatible method for quantification of losartan, hydrochlorothiazide and their impurities using AQB approach and measurement uncertainty evaluation. **2023**, 259, 124481 ○
- 80 Use of tyrosinase-inorganic salt hybrid nanoflowers and tyrosinase-MOF hybrid composites for elimination of phenolic pollutants from industrial wastewaters. **2023**, 317, 137933 1
- 79 Performance assessment and optimization of a thin-film thermoelectric cooler for on-chip transient thermal management. **2023**, 224, 120079 ○
- 78 An antibiotic-destructase-activated Fenton-like catalyst for synergistic removal of tetracycline residues from aquatic environment. **2023**, 459, 141576 ○
- 77 Rapid Identification of Optimized Process Parameters Via RSM for the Production of Valuable Aromatic Hydrocarbons Using Multiphase Catalytic Pyrolysis of Mixed Waste Plastics. ○
- 76 Magnetic CoFe<sub>2</sub>O<sub>4</sub>@HAp-GQDs nanocomposites for removal of Brilliant crystal blue dye using FCCD optimization and adsorption characterization. **2023**, 290, 116290 ○
- 75 MULTI-RESPONSE OPTIMIZATION OF METFORMIN -HYDROCHLORIDE DRUG VIA EXPERIMENTAL DESIGN TECHNIQUES APPLIED ON THE ADAPTIVE LOCAL LINEAR REGRESSION MODEL FOR RESPONSE SURFACE METHODOLOGY. **2023**, 6, 262-270 ○
- 74 A critical review of the correlative effect of process parameters on pyrolysis of plastic wastes. **2023**, 170, 105907 ○
- 73 Optimization of HS-SPME-GC/MS Analysis of Wine Volatiles Supported by Chemometrics for the Aroma Profiling of Trebbiano d'Abruzzo and Pecorino White Wines Produced in Abruzzo (Italy). **2023**, 28, 1534 ○
- 72 Optimised synthesis of stainless steel fibre-entrapped activated carbon composites using response surface methodology. **2023**, 815, 140355 ○
- 71 Optimization study on the uniform temperature of an additively manufactured cooler for a semiconductor heating device. **2023**, 225, 120178 ○
- 70 Experimental design for removal of lead ions from water samples using an engineered novel chitosan functionalized Schiff-base adsorbent. 1-13 ○
- 69 Antioxidant, Tyrosinase,  $\alpha$ -Glucosidase, and Elastase Enzyme Inhibition Activities of Optimized Unripe Ajwa Date Pulp (*Phoenix dactylifera*) Extracts by Response Surface Methodology. **2023**, 24, 3396 ○
- 68 Uncertainty Modeling of a Chemical System with a Flexible Node by Mapping the Fault Tree into the Response Surface Method. ○
- 67 Low-Energy Electrodeposition of Nickel in Electroplating Wastewater Using a Water Hyacinth Separated Double Chamber Electrodeposition Cell. **2023**, 170, 022508 ○
- 66 Application of Surface-Modified Nanoclay in a Hybrid Adsorption-Ultrafiltration Process for Enhanced Nitrite Ions Removal: Chemometric Approach vs. Machine Learning. **2023**, 13, 697 ○
- 65 Data from the batch adsorption of ciprofloxacin and lamivudine from synthetic solution using jamun seed (*Syzygium cumini*) biochar: Response surface methodology (RSM) optimization. **2023**, 47, 108975 ○
- 64 A review of coagulation explaining its definition, mechanism, coagulant types, and optimization models; RSM, and ANN. **2023**, 6, 100358 ○

- 63 Modeling of microalgal biodiesel production integrated to a sugarcane ethanol plant: Energy and exergy efficiencies and environmental impacts due to trade-offs in the usage of bagasse in the Brazilian context. **2023**, 395, 136461 ○
- 62 Progressive Freeze Concentration: Optimization of Trichlorophenol Removal in Wastewater via Response Surface Methodology. ○
- 61 Investigation on Machinability Characteristics of Inconel 718 Alloy in Cryogenic Machining Processes. **2023**, 11, 82 ○
- 60 Effective removal of brilliant green with magnetic barium phosphate composites: factor analysis and mechanism study. **2023**, 30, 50364-50375 ○
- 59 Optimization of green and environmentally-benign synthesis of isoamyl acetate in the presence of ball-milled seashells by response surface methodology. **2023**, 13, ○
- 58 Estrogenic Effect Mechanism and Influencing Factors for Transformation Product Dimer Formed in Preservative Parabens Photolysis. **2023**, 11, 186 ○
- 57 Profiling of Secondary Metabolites of Optimized Ripe Ajwa Date Pulp (*Phoenix dactylifera* L.) Using Response Surface Methodology and Artificial Neural Network. **2023**, 16, 319 ○
- 56 Protein hydrolysate from *Anabaena* sp. cultured in an optimized condition designed by RSM; insight into bioactive attributes. **2023**, 70, 103026 ○
- 55 Characterization of Antioxidant and  $\alpha$ -Glucosidase Inhibitory Compounds of *Cratogeomys formosum* ssp. *pruniflorum* and Optimization of Extraction Condition. **2023**, 12, 511 ○
- 54 Investigating Variation in Compressional Behavior of a Ternary Mixture from a Plastic, Elastic and Brittle Fracture Perspective in the Context of Optimum Composition of a Pharmaceutical Blend. **2023**, 15, 1063 ○
- 53 Machine learning-assisted medium optimization revealed the discriminated strategies for improved production of the foreign and native metabolites. ○
- 52 Purification and Characterization of a Glucose tolerant  $\alpha$ -Glucosidase from a Newly Isolated *Neofusicoccum Parvum* strain F7: Production Optimization using Plackett Burman and Box Behnken. ○
- 51 Therapeutic potential of cationic bilosomes in the treatment of carrageenan-induced rat arthritis via fluticasone propionate gel. **2023**, 635, 122776 ○
- 50 Exploration of polymethacrylate and Hypromellose for the development of a non-sulphydryl ACE inhibitor mucoadhesive system using Box-Behnken design: in-vitro and ex-vivo evaluation. **2023**, 49, 115-128 ○
- 49 Optimization using Box Behnken design for ultrasound assisted extraction natural dyes from *Indigofera tinctoria* L.. **2023**, ○
- 48 Optimization of anaerobic digestion parameters for biogas production from pineapple wastes co-digested with livestock wastes. **2023**, 9, e14041 ○
- 47 Optimisation of solid-state fermentation process of sunflower meal based on response-surface methodology. **2023**, ○
- 46 Bacterial cellulose bio-scrubber impregnated with antibacterial flavonoids from *Moringa* leaves as a microplastic substitution solution. **2023**, ○

- 45 Optimization of PET Particle-Reinforced Epoxy Resin Composite for Eco-Brick Application Using the Response Surface Methodology. **2023**, 15, 4271 ○
- 44 Investigating the fouling potential of the metal-silicate complex on membrane by response surface method ( RSM ). ○
- 43 An experimental and simulation study on dielectric properties of bio-based kenaf composite laminated with PVC for futuristic applications. **2023**, ○
- 42 Multi-response optimization of crashworthy performance of perforated thin walled tubes. **2023**, 57, 1579-1597 ○
- 41 Intensification of thorium biosorption onto protonated orange peel using the response surface methodology. **2022**, ○
- 40 Comprehensive Review of Modification, Optimisation, and Characterisation Methods Applied to Plant-Based Natural Coagulants (PBNCS) for Water and Wastewater Treatment. **2023**, 15, 4484 ○
- 39 Extraction of Cinnamomum longepaniculatum deciduous leaves essential oil using solvent-free microwave extraction: Process optimization and quality evaluation. **2023**, 8, 7-15 ○
- 38 Electrochemical sensing platform with gold nanoparticles capped by PDPA for benzyl alcohol determination. **2023**, 190, ○
- 37 Response Surface Modelling and Optimisation of Activated Carbons Adsorption of Pollutants from Textile Wastewater. **2023**, 571-593 ○
- 36 Experimental study of optimized beginner-level wingsuit. ○
- 35 Arsenic Removal by Adsorbents from Water for Small CommunitiesâDecentralized Systems: Performance, Characterization, and Effective Parameters. **2023**, 5, 352-402 ○
- 34 Human Milk: Fast Determination of Docosahexaenoic Acid (DHA). **2023**, 4, 54-65 ○
- 33 Design and Optimization of a Helix Finned Tube Heat Exchanger for 2 K Superfluid Helium Vertical Test Stand. **2023**, 15, ○
- 32 A novel strategy for efficient biodiesel production: Optimization, prediction, and mechanism. **2023**, 207, 385-397 ○
- 31 Optimization of the growth conditions through response surface methodology and metabolomics for maximizing the auxin production by Pantoea agglomerans C1. 14, ○
- 30 From Foxtail Millet Husk (Waste) to Bioactive Phenolic Extracts Using Deep Eutectic Solvent Extraction and Evaluation of Antioxidant, Acetylcholinesterase, and ßGlucosidase Inhibitory Activities. **2023**, 12, 1144 ○
- 29 Modeling and optimization of CO2 mass transfer flux into Pz-KOH-CO2 system using RSM and ANN. **2023**, 13, ○
- 28 Scenedesmus obliquus recovery using polyacrylamide and chitosan: an optimization study. ○



- 27 Urinary bio-monitoring of aromatic amine derivatives by new needle trap device packed with the multi-component adsorbent. **2023**, 13, ○
- 26 A ternary deep eutectic solvent-modified magnetic mixed iron hydroxide@MIL-101(Cr)-NH<sub>2</sub> composite as a sorbent in magnetic solid phase extraction of organochlorine pesticides prior to GC-MS. **2023**, 13, 8863-8872 ○
- 25 Artificial neural network (ANN) modeling for simultaneous removal of a binary mixture of Pb(II) and Cu(II) by cobalt hydroxide nano-flakes. **2023**, 37, ○
- 24 Multicore-shell MnO<sub>2</sub>@Ppy@N-doped porous carbon nanofiber ternary composites as electrode materials for high- performance supercapacitors. ○
- 23 Effects of fermentation time on the bioactive constituents of Kinema, a traditional fermented food of Nepal. **2023**, 9, e14727 ○
- 22 Optimization of Fresh and Mechanical Characteristics of Carbon Fiber-Reinforced Concrete Composites Using Response Surface Technique. **2023**, 13, 852 ○
- 21 Analytical Quality by Design: Achieving Robustness of an LC-CAD Method for the Analysis of Non-Volatile Fatty Acids. **2023**, 16, 478 ○
- 20 A glucose tolerant  $\alpha$ -glucosidase from a newly isolated *Neofusicoccum parvum* strain F7: production, purification, and characterization. **2023**, 13, ○
- 19 Parametric modelling and analysis to optimize adsorption of Atrazine by MgO/Fe<sub>3</sub>O<sub>4</sub>-synthesized porous carbons in water environment. **2023**, 35, ○
- 18 Nd-Doped ZnO Nanostructures with Enhanced Photocatalytic Performance for Environmental Protection. **2023**, 24, 6436 ○
- 17 Application of solar photo-electro-Fenton technology to petroleum refinery wastewater degradation: Optimization of operational parameters. **2023**, 9, e15062 ○
- 16 Hexavalent chromium reduction and Rhodamine B degradation by visible-light-driven photocatalyst of stannum indium sulfide-samarium vanadate. **2023**, 6, ○
- 15 Rifampin removal using electrocoagulation: optimizing the process and improving the floated sludge dewaterability. ○
- 14 Partial Least Squares, Experimental Design, and Near-Infrared Spectrophotometry for the Remote Quantification of Nitric Acid Concentration and Temperature. **2023**, 28, 3224 ○
- 13 A Study on Using Location-Information-Based Flow Field Reconstruction to Model the Characteristics of a Discharging Valve in a Hydrodynamic Retarder. **2023**, 11, 460 ○
- 12 On the use of linear model-based optimization to obtain optimum solubility permeability balance (OSPB) in cinnarizine-hydrotropic blends. **2023**, 381, 121817 ○
- 11 Synthesis of Isorecticular Metal Organic Framework-3 (IRMOF-3) Porous Nanostructure and Its Effect on Naphthalene Adsorption: Optimized by Response Surface Methodology. **2023**, 10, 261 ○
- 10 Optimization of Spray-Drying Conditions of Microencapsulated Habanero Pepper (*Capsicum chinense* Jacq.) Extracts and Physicochemical Characterization of the Microcapsules. **2023**, 11, 1238 ○

- 9 Design of Chitosan-Coated, Quercetin-Loaded PLGA Nanoparticles for Enhanced PSMA-Specific Activity on LnCap Prostate Cancer Cells. **2023**, 11, 1201 ○
- 8 Optimisation of lignin liquefaction with polyethylene glycol/ glycerol through response surface methodology modelling. **2023**, 198, 116729 ○
- 7 Machine learning-assisted medium optimization revealed the discriminated strategies for improved production of the foreign and native metabolites. **2023**, ○
- 6 Supercritical Water Gasification of Coconut Shell Impregnated with a Nickel Nanocatalyst: BoxâBehnken Design and Process Evaluation. **2023**, 16, 3563 ○
- 5 Optimization of the Geraniol Transformation Process in the Presence of Natural Mineral Diatomite as a Catalyst. **2023**, 13, 777 ○
- 4 Application of Response Surface Methodology to Optimize the Extraction Process of Bioactive Compounds Obtained from Coffee Silverskin. **2023**, 13, 5388 ○
- 3 Competitive Removal of Antimony and Humic Acid by Ferric Chloride: Optimization of Coagulation Process Using Response Surface Methodology. **2023**, 15, 1676 ○
- 2 Removal of lamivudine from synthetic solution using jamun seed (Syzygium cumini) biochar adsorbent. **2023**, 9, 100232 ○
- 1 Development of analytical method for illegal substances in sweat and comparison of the effectiveness of sweat collection materials. **2023**, 64, 102264 ○