

# Mukeshd Doble

## List of Publications by Citations

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271  
papers

7,885  
citations

47  
h-index

77  
g-index

279  
ext. papers

9,193  
ext. citations

4.4  
avg, IF

6.61  
L-index

#	Paper	IF	Citations
271	Synergism between natural products and antibiotics against infectious diseases. <i>Phytomedicine</i> , <b>2008</b> , 15, 639-52	6.5	514
270	Biofilm formation, bacterial adhesion and host response on polymeric implants--issues and prevention. <i>Biomedical Materials (Bristol)</i> , <b>2008</b> , 3, 034003	3.5	254
269	Marine microbe-mediated biodegradation of low- and high-density polyethylenes. <i>International Biodeterioration and Biodegradation</i> , <b>2008</b> , 61, 203-213	4.8	212
268	Biodegradation of aliphatic and aromatic polycarbonates. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 14-24	5.5	211
267	Design of biocomposite materials for bone tissue regeneration. <i>Materials Science and Engineering C</i> , <b>2015</b> , 57, 452-63	8.3	186
266	Potential synergism of natural products in the treatment of cancer. <i>Phytotherapy Research</i> , <b>2006</b> , 20, 239-49	6.7	177
265	Biofouling and stability of synthetic polymers in sea water. <i>International Biodeterioration and Biodegradation</i> , <b>2009</b> , 63, 884-890	4.8	169
264	Synergistic interaction of eugenol with antibiotics against Gram negative bacteria. <i>Phytomedicine</i> , <b>2009</b> , 16, 997-1005	6.5	148
263	Nanomaterials for early detection of cancer biomarker with special emphasis on gold nanoparticles in immunoassays/sensors. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 688-698	11.8	133
262	Probiotics, prebiotics and colorectal cancer prevention. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , <b>2016</b> , 30, 119-31	2.5	125
261	Synergistic effect of phytochemicals in combination with hypoglycemic drugs on glucose uptake in myotubes. <i>Phytomedicine</i> , <b>2009</b> , 16, 1119-26	6.5	122
260	Degradation of unpretreated and thermally pretreated polypropylene by soil consortia. <i>International Biodeterioration and Biodegradation</i> , <b>2009</b> , 63, 106-111	4.8	113
259	Biocompatibility studies on polyaniline and polyaniline-silver nanoparticle coated polyurethane composite. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 86, 146-53	6	109
258	Mannosylerythritol lipids: a review. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 1559-702	4.2	106
257	Mechanism of action of natural products used in the treatment of diabetes mellitus. <i>Chinese Journal of Integrative Medicine</i> , <b>2011</b> , 17, 563-74	2.9	105
256	Biofouling and biodegradation of polyolefins in ocean waters. <i>Polymer Degradation and Stability</i> , <b>2007</b> , 92, 1743-1752	4.7	105
255	Synthesis and characterization of curcumin loaded PLA-Hyperbranched polyglycerol electrospun blend for wound dressing applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 76, 1196-1204	8.3	100

254	Fouling and stability of polymers and composites in marine environment. <i>International Biodeterioration and Biodegradation</i> , <b>2011</b> , 65, 276-284	4.8	95
253	A target based therapeutic approach towards diabetes mellitus using medicinal plants. <i>Current Diabetes Reviews</i> , <b>2008</b> , 4, 291-308	2.7	92
252	Synergistic effects of pretreatment and blending on fungi mediated biodegradation of polypropylenes. <i>Bioresource Technology</i> , <b>2013</b> , 148, 78-85	11	91
251	Synthesis, antimycobacterial activity evaluation, and QSAR studies of chalcone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 1695-700	2.9	91
250	Growth of Pseudomonas and Bacillus biofilms on pretreated polypropylene surface. <i>International Biodeterioration and Biodegradation</i> , <b>2010</b> , 64, 530-536	4.8	88
249	Bacterial resistance in biofilm-associated bacteria. <i>Future Microbiology</i> , <b>2015</b> , 10, 1743-50	2.9	87
248	Antinociceptive and antiinflammatory activities and QSAR studies on 2-substituted-4,5-diphenyl-1H-imidazoles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 1083-90	3.4	87
247	Effective antibacterial adhesive coating on cotton fabric using ZnO nanorods and chalcone. <i>Carbohydrate Polymers</i> , <b>2010</b> , 79, 717-723	10.3	81
246	Synthesis, antioxidant evaluation, and quantitative structure-activity relationship studies of chalcones. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 482-492	2.2	79
245	Polymers as ureteral stents. <i>Journal of Endourology</i> , <b>2010</b> , 24, 191-8	2.7	75
244	Friction stir processing of magnesium-nanohydroxyapatite composites with controlled in vitro degradation behavior. <i>Materials Science and Engineering C</i> , <b>2014</b> , 39, 315-24	8.3	71
243	Combination of phenylpropanoids with 5-fluorouracil as anti-cancer agents against human cervical cancer (HeLa) cell line. <i>Phytomedicine</i> , <b>2013</b> , 20, 151-8	6.5	69
242	In vitro and in vivo studies of biodegradable fine grained AZ31 magnesium alloy produced by equal channel angular pressing. <i>Materials Science and Engineering C</i> , <b>2016</b> , 59, 356-367	8.3	68
241	Nano-hydroxyapatite reinforced AZ31 magnesium alloy by friction stir processing: a solid state processing for biodegradable metal matrix composites. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 975-88	4.5	67
240	Synergistic interaction of ferulic acid with commercial hypoglycemic drugs in streptozotocin induced diabetic rats. <i>Phytomedicine</i> , <b>2013</b> , 20, 488-94	6.5	61
239	Synergistic interaction of phenylpropanoids with antibiotics against bacteria. <i>Journal of Medical Microbiology</i> , <b>2010</b> , 59, 1469-1476	3.2	61
238	Approaches to Enhance the Biodegradation of Polyolefins. <i>The Open Environmental Engineering Journal</i> , <b>2009</b> , 2, 68-80		59
237	Novel chalcones and 1,3,5-triphenyl-2-pyrazoline derivatives as antibacterial agents. <i>Chemical Biology and Drug Design</i> , <b>2010</b> , 76, 407-11	2.9	58

236	Internal mycobiota of marine macroalgae from the Tamilnadu coast: distribution, diversity and biotechnological potential. <i>Botanica Marina</i> , <b>2010</b> , 53,	1.8	58
235	Phthalates efficiently bind to human peroxisome proliferator activated receptor and retinoid X receptor $\beta$ subtypes: an in silico approach. <i>Journal of Applied Toxicology</i> , <b>2014</b> , 34, 754-65	4.1	57
234	Marine bacteria mediated degradation of nylon 66 and 6. <i>International Biodeterioration and Biodegradation</i> , <b>2007</b> , 60, 144-151	4.8	57
233	Antibiofilm properties of silver and gold incorporated PU, PCLm, PC and PMMA nanocomposites under two shear conditions. <i>PLoS ONE</i> , <b>2013</b> , 8, e63311	3.7	57
232	Combination therapy: a new strategy to manage diabetes and its complications. <i>Phytomedicine</i> , <b>2014</b> , 21, 123-30	6.5	54
231	Hybrid drug combination: Combination of ferulic acid and metformin as anti-diabetic therapy. <i>Phytomedicine</i> , <b>2017</b> , 37, 10-13	6.5	52
230	$\kappa$ -Carrageenan from marine red algae, <i>Kappaphycus alvarezii</i> $\Delta$ functional food to prevent colon carcinogenesis. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 354-364	5.1	51
229	Tailoring degradation of AZ31 alloy by surface pre-treatment and electrospun PCL fibrous coating. <i>Materials Science and Engineering C</i> , <b>2016</b> , 65, 43-50	8.3	51
228	Synthesis, biological evaluation, mechanism of action and quantitative structure-activity relationship studies of chalcones as antibacterial agents. <i>Chemical Biology and Drug Design</i> , <b>2009</b> , 73, 403-15	2.9	50
227	Production of acylated homoserine lactone by gram-positive bacteria isolated from marine water. <i>FEMS Microbiology Letters</i> , <b>2013</b> , 343, 34-41	2.9	49
226	Novel chromium tolerant microorganisms: isolation, characterization and their biosorption capacity. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 71, 874-9	7	49
225	Characteristics of bacterial biofilm associated with implant material in clinical practice. <i>Polymer Journal</i> , <b>2013</b> , 45, 137-152	2.7	48
224	New pyridazine-based binuclear nickel(II), copper(II) and zinc(II) complexes as prospective anticancer agents. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2451-2465	3.6	46
223	MCM-41-supported platinum carbonyl cluster-derived catalysts for asymmetric and nonasymmetric hydrogenation reactions. <i>Journal of Catalysis</i> , <b>2006</b> , 239, 154-161	7.3	46
222	Phytochemicals as inhibitors of bacterial cell division protein FtsZ: coumarins are promising candidates. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 283-96	3.2	44
221	Production and downstream processing of (1 $\rightarrow$ 3)- $\beta$ -D-glucan from mutant strain of <i>Agrobacterium</i> sp. ATCC 31750. <i>AMB Express</i> , <b>2012</b> , 2, 31	4.1	44
220	Antibacterial and Bioactive Surface Modifications of Titanium Implants by PCL/TiO <sub>2</sub> Nanocomposite Coatings. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	44
219	Silver oxide nanoparticles embedded silk fibroin spuns: Microwave mediated preparation, characterization and their synergistic wound healing and anti-bacterial activity. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 513, 62-71	9.3	43

218	Interaction of cinnamic acid derivatives with commercial hypoglycemic drugs on 2-deoxyglucose uptake in 3T3-L1 adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9835-44	5.7	43
217	Transport of anionic azo dyes from aqueous solution to gemini surfactant-modified wheat bran: Synchrotron infrared, molecular interaction and adsorption studies. <i>Science of the Total Environment</i> , <b>2017</b> , 595, 723-732	10.2	41
216	Dual delivery of tuberculosis drugs via cyclodextrin conjugated curdlan nanoparticles to infected macrophages. <i>Carbohydrate Polymers</i> , <b>2019</b> , 218, 53-62	10.3	40
215	Self-assembly of surfactin in aqueous solution: role of divalent counterions. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 116, 396-402	6	40
214	Polydimethyl siloxane nanocomposites: Their antifouling efficacy in vitro and in marine conditions. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 104, 307-314	4.8	39
213	Antifungal activity, mechanism and QSAR studies on chalcones. <i>Chemical Biology and Drug Design</i> , <b>2009</b> , 74, 68-79	2.9	39
212	Water dispersible Ag@polyaniline-pectin as supercapacitor electrode for physiological environment. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5012-5019	7.3	36
211	L-Asparaginase as potent anti-leukemic agent and its significance of having reduced glutaminase side activity for better treatment of acute lymphoblastic leukaemia. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 2144-59	3.2	36
210	Novel 1,3,5-triphenyl-2-pyrazolines as anti-infective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3169-72	2.9	36
209	Synthesis of magnesium phosphate nanoflakes and its PCL composite electrospun nanofiber scaffolds for bone tissue regeneration. <i>Materials Science and Engineering C</i> , <b>2020</b> , 109, 110527	8.3	36
208	Electrospun PCL/HA coated friction stir processed AZ31/HA composites for degradable implant applications. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 252, 398-406	5.3	35
207	Surface engineering of polycaprolactone by biomacromolecules and their blood compatibility. <i>Journal of Biomaterials Applications</i> , <b>2011</b> , 26, 227-52	2.9	35
206	Interaction of phytochemicals with hypoglycemic drugs on glucose uptake in L6 myotubes. <i>Phytomedicine</i> , <b>2011</b> , 18, 285-91	6.5	35
205	Characterization of glycolipid biosurfactant from <i>Pseudomonas aeruginosa</i> CPCL isolated from petroleum-contaminated soil. <i>Letters in Applied Microbiology</i> , <b>2010</b> , 51, 75-82	2.9	35
204	Hybrid drug combination: Anti-diabetic treatment of type 2 diabetic Wistar rats with combination of ellagic acid and pioglitazone. <i>Phytomedicine</i> , <b>2017</b> , 37, 4-9	6.5	34
203	Molecular dynamics simulation of drug uptake by polymer. <i>Journal of Molecular Modeling</i> , <b>2011</b> , 17, 1141-7	4.7	34
202	Phenylpropanoids inhibit protofilament formation of <i>Escherichia coli</i> cell division protein FtsZ. <i>Journal of Medical Microbiology</i> , <b>2011</b> , 60, 1317-1325	3.2	33
201	Effect of Natural Products on Commercial Oral Antidiabetic Drugs in Enhancing 2-Deoxyglucose Uptake by 3T3-L1 Adipocytes. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2011</b> , 2, 103-14	4.5	33

200	Fungal symbionts of marine sponges from Rameswaram, southern India: species composition and bioactive metabolites. <i>Fungal Diversity</i> , <b>2012</b> , 55, 37-46	17.6	32
199	Design, synthesis and identification of novel substituted 2-amino thiazole analogues as potential anti-inflammatory agents targeting 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 158, 34-50	6.8	32
198	Action of biosurfactant producing thermophilic <i>Bacillus subtilis</i> on waxy crude oil and long chain paraffins. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 105, 168-177	4.8	31
197	Experimental and theoretical studies on Gallic acid assisted EDC/NHS initiated crosslinked collagen scaffolds. <i>Materials Science and Engineering C</i> , <b>2014</b> , 43, 164-71	8.3	31
196	Physicochemical characterisation and biological evaluation of polyvinylpyrrolidone-iodine engineered polyurethane (Tecoflex(®)). <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 1231-46	4.5	31
195	Fouling and Degradation of Polycarbonate in Seawater: Field and Lab Studies. <i>Journal of Polymers and the Environment</i> , <b>2009</b> , 17, 170-180	4.5	31
194	Development of a Next-Generation Fluorescent Turn-On Sensor to Simultaneously Detect and Detoxify Mercury in Living Samples. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3533-3538	7.8	31
193	Green Synthesis of Protein Stabilized Silver Nanoparticles Using <i>Pseudomonas fluorescens</i> , a Marine Bacterium, and Its Biomedical Applications When Coated on Polycaprolactam. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 5230-5239	3.9	30
192	Electrospun Nanofibers of Curdlan (β,3 Glucan) Blend as a Potential Skin Scaffold Material. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1600417	3.9	29
191	5-Lipoxygenase as a drug target: A review on trends in inhibitors structural design, SAR and mechanism based approach. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 3745-3759	3.4	29
190	Antibacterial and antioxidant activity of protein capped silver and gold nanoparticles synthesized with <i>Escherichia coli</i> . <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 140-8	4	29
189	Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121665	3.7	28
188	Synthesis of new class of spirocarbocycle derivatives by multicomponent domino reaction and their evaluation for antimicrobial, anticancer activity and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 83, 190-207	6.8	28
187	Effect of uropathogens on in vitro encrustation of polyurethane double J ureteral stents. <i>Urological Research</i> , <b>2011</b> , 39, 29-37		28
186	Cyclic β(1-3) (1-6) glucan/carrageenan hydrogels for wound healing applications. <i>RSC Advances</i> , <b>2016</b> , 6, 98545-98553	3.7	27
185	Characterization and sorting of cells based on stiffness contrast in a microfluidic channel. <i>RSC Advances</i> , <b>2016</b> , 6, 74704-74714	3.7	27
184	Biocompatible β-carrageenan-β-maghemite nanocomposite for biomedical applications - synthesis, characterization and in vitro anticancer efficacy. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 18	9.4	26
183	Synergistic growth of <i>Bacillus</i> and <i>Pseudomonas</i> and its degradation potential on pretreated polypropylene. <i>Preparative Biochemistry and Biotechnology</i> , <b>2016</b> , 46, 109-15	2.4	26

182	High glycolic poly (DL lactic co glycolic acid) nanoparticles for controlled release of meropenem. <i>Biomedicine and Pharmacotherapy</i> , <b>2013</b> , 67, 431-6	7.5	26
181	Biosurfactant from <i>Pseudomonas</i> species with waxes as carbon source □Their production, modeling and properties. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 31, 100-111	6.3	25
180	Functionalization of iron oxide nanoparticles with biosurfactants and biocompatibility studies. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 751-64	4	25
179	Immobilization of subtilisin on polycaprolactam for antimicrobial food packaging applications. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 10869-78	5.7	25
178	Understanding the structure of the adhesive plaque of <i>Amphibalanus reticulatus</i> . <i>Materials Science and Engineering C</i> , <b>2010</b> , 30, 112-119	8.3	25
177	Experimental and QSAR of acetophenones as antibacterial agents. <i>Chemical Biology and Drug Design</i> , <b>2008</b> , 72, 303-13	2.9	25
176	Ellagic acid potentiates insulin sensitising activity of pioglitazone in L6 myotubes. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 1-10	5.1	24
175	Dual nanofibrous bioactive coating and antimicrobial surface treatment for infection resistant titanium implants. <i>Progress in Organic Coatings</i> , <b>2018</b> , 121, 112-119	4.8	24
174	Biodegradation of physicochemically treated polycarbonate by fungi. <i>Biomacromolecules</i> , <b>2010</b> , 11, 20-86.9		24
173	3?-Hydroxy-4-methoxychalcone as a potential antibacterial coating on polymeric biomaterials. <i>Applied Surface Science</i> , <b>2010</b> , 256, 6018-6024	6.7	24
172	Antibacterial, anti-inflammatory, and bone-regenerative dual-drug-loaded calcium phosphate nanocarriers-in vitro and in vivo studies. <i>Drug Delivery and Translational Research</i> , <b>2018</b> , 8, 1066-1077	6.2	23
171	Non-peptidyl insulin mimetics as a potential antidiabetic agent. <i>Drug Discovery Today</i> , <b>2013</b> , 18, 748-55	8.8	23
170	Synthesis, in vitro antitubercular activity and 3D-QSAR of novel quinoxaline derivatives. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 78, 988-98	2.9	23
169	Chalcone embedded polyurethanes as a biomaterial: Synthesis, characterization and antibacterial adhesion. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 353-360	10.3	22
168	Bioremediation of Coastal and Marine Pollution due to Crude Oil Using a Microorganism <i>Bacillus subtilis</i> . <i>Procedia Engineering</i> , <b>2015</b> , 116, 213-220		21
167	2-Methoxy-2,4-dichloro chalcone as an antimicrofoulant against marine bacterial biofilm. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 439-46	6	21
166	Design of antimicrobial polycaprolactam nanocomposite by immobilizing subtilisin conjugated Au/Ag core-shell nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 656-665	8.3	21
165	Synthesis and characterization of biocompatible carbon-gold (C-Au) nanocomposites and their biomedical applications as an optical sensor for creatinine detection and cellular imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 1267-1278	8.5	21

164	The biocompatibility of sulfobetaine engineered polymethylmethacrylate by surface entrapment technique. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2010</b> , 21, 635-46	4.5	20
163	In vivo modulation of foreign body response on polyurethane by surface entrapment technique. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 413-23	5.4	20
162	Fast degradation and viscosity reduction of waxy crude oil and model waxy crude oil using <i>Bacillus subtilis</i> . <i>Journal of Petroleum Science and Engineering</i> , <b>2015</b> , 134, 158-166	4.4	19
161	A simple protocol for the Michael addition of indoles with electron deficient olefins catalysed by TBAHS in aqueous media and their broad spectrum antibacterial activity. <i>Journal of Chemical Sciences</i> , <b>2009</b> , 121, 65-73	1.8	19
160	Stereochemical preference of <i>Candida parapsilosis</i> ATCC 7330 mediated deracemization: E- versus Z-aryl secondary alcohols. <i>Tetrahedron: Asymmetry</i> , <b>2012</b> , 23, 1360-1368		18
159	Effect of biosurfactants produced by <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> on the formation kinetics of methane hydrates. <i>Journal of Natural Gas Science and Engineering</i> , <b>2017</b> , 43, 156-166	4.6	17
158	Expedient synthesis, antibacterial activity evaluation and QSAR studies of 3-bisoxindoles, 2-oxindolyl-2-hydroxyindan-1,3-diones and 2-oxindolyl-2-hydroxyacenaphthylen-1-ones. <i>RSC Advances</i> , <b>2013</b> , 3, 496-507	3.7	17
157	Dual mode antibacterial activity of ion substituted calcium phosphate nanocarriers for bone infections. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 59	5.8	17
156	Tecoflex <sup>TM</sup> functionalization by curdlan and its effect on protein adsorption and bacterial and tissue cell adhesion. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 1115-29	4.5	17
155	Biocompatibility Studies of Functionalized CoFe <sub>2</sub> O <sub>4</sub> Magnetic Nanoparticles. <i>Current Nanoscience</i> , <b>2011</b> , 7, 371-376	1.4	17
154	QSAR studies of paeonol analogues for inhibition of platelet aggregation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 5996-6001	3.4	17
153	Synthesis and Characterization of Hydrophilic High Glycolic Acid Poly(dl-Lactic-co-Glycolic Acid)/ Polycaprolactam/Polyvinyl Alcohol Blends and Their Biomedical Application as a Ureteral Material. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 751-760	3.9	16
152	Experimental and QSAR studies on antimicrobial activity of benzimidazole derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2008</b> , 56, 273-81	1.9	16
151	Dual inhibitors of SARS-CoV-2 proteases: pharmacophore and molecular dynamics based drug repositioning and phytochemical leads. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 6324-6337	3.6	16
150	Theranostic Calcium Phosphate Nanoparticles With Potential for Multimodal Imaging and Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 126	5.8	15
149	Mechanistic investigations of lipase-catalyzed degradation of polycarbonate in organic solvents. <i>Enzyme and Microbial Technology</i> , <b>2011</b> , 48, 71-9	3.8	15
148	Process optimization for the production of rhamnolipid and formation of biofilm by <i>Pseudomonas aeruginosa</i> CPCL on polypropylene. <i>Biochemical Engineering Journal</i> , <b>2011</b> , 56, 37-45	4.2	15
147	Impact of topological and electronic descriptors in the QSAR of pyrazine containing thiazolines and thiazolidinones as antitubercular and antibacterial agents. <i>Chemical Biology and Drug Design</i> , <b>2008</b> , 71, 447-463	2.9	15



146	Mannosylerythritol Lipid-A as a Pour Point Depressant for Enhancing the Low-Temperature Fluidity of Biodiesel and Hydrocarbon Fuels. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 4118-4125	4.1	15
145	Dentin remineralizing ability and enhanced antibacterial activity of strontium and hydroxyl ion co-releasing radiopaque hydroxyapatite cement. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 95	4.5	14
144	Albumin capped carbon-gold (C-Au) nanocomposite as an optical sensor for the detection of Arsenic(III). <i>Optical Materials</i> , <b>2018</b> , 84, 339-344	3.3	14
143	Achromobacter denitrificans SP1 produces pharmaceutically active 25C prodigiosin upon utilizing hazardous di(2-ethylhexyl)phthalate. <i>Bioresource Technology</i> , <b>2014</b> , 171, 482-6	11	14
142	Bisphenol A and metabolites released by biodegradation of polycarbonate in seawater. <i>Environmental Chemistry Letters</i> , <b>2012</b> , 10, 29-34	13.3	14
141	Antibacterial activity, quantitative structure-activity relationship and diastereoselective synthesis of isoxazolidine derivatives via 1,3-dipolar cycloaddition of d-glucose derived nitron with olefin. <i>Chemical Biology and Drug Design</i> , <b>2009</b> , 74, 494-506	2.9	14
140	Curcumin Releasing Eggshell Derived Carbonated Apatite Nanocarriers for Combined Anti-Cancer, Anti-Inflammatory and Bone Regenerative Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 6872-6880	1.3	13
139	Fermentative hydrogen production and bioelectricity generation from food based industrial waste: An integrative approach. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123447	11	13
138	2-Amino-4-aryl thiazole: a promising scaffold identified as a potent 5-LOX inhibitor. <i>RSC Advances</i> , <b>2016</b> , 6, 19271-19279	3.7	13
137	Characterization and applications of cyclic $\beta$ (1,2)-glucan produced from <i>R. meliloti</i> . <i>RSC Advances</i> , <b>2014</b> , 4, 11393	3.7	13
136	Environmentally benign tetramethylguanidinium cation based ionic liquids. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12268-12277	3.6	13
135	Inhibition of the enzymes in the leukotriene and prostaglandin pathways in inflammation by 3-aryl isocoumarins. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 124, 428-434	6.8	13
134	Photoluminescence carbon nano dots for the conductivity based optical sensing of dopamine and bioimaging applications. <i>Optical Materials</i> , <b>2021</b> , 117, 111120	3.3	13
133	Antibiofilm properties of interfacially active lipase immobilized porous polycaprolactam prepared by LB technique. <i>PLoS ONE</i> , <b>2014</b> , 9, e96152	3.7	12
132	Polydimethyl siloxane based nanocomposites with antibiofilm properties for biomedical applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 1075-1082	3.5	11
131	Phytochemicals as multi-target inhibitors of the inflammatory pathway- A modeling and experimental study. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 484, 467-473	3.4	11
130	Development of Egg Shell Derived Carbonated Apatite Nanocarrier System for Drug Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2318-2324	1.3	11
129	Physicochemical and structural characterisation of marine algae <i>Kappaphycus alvarezii</i> and the ability of its dietary fibres to bind mutagenic amines. <i>Journal of Applied Phycology</i> , <b>2014</b> , 26, 2183-2191	3.2	11

128	Chalcone coating on cotton cloth - an approach to reduce attachment of live microbes. <i>Biomaterials Science</i> , <b>2014</b> , 2, 990-995	7.4	11
127	Barnacle adhesion on natural and synthetic substrates: Adhesive structure and composition. <i>International Journal of Adhesion and Adhesives</i> , <b>2013</b> , 41, 140-143	3.4	11
126	Effect of d-amino acids on collagen fibrillar assembly and stability: Experimental and modelling studies. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 75, 92-100	4.2	11
125	The biocompatibility of sulfobetaine engineered poly (ethylene terephthalate) by surface entrapment technique. <i>Journal of Biomaterials Applications</i> , <b>2010</b> , 25, 119-43	2.9	11
124	Analysis of explanted ePTFE cardiovascular grafts (modified BT shunt). <i>Biomedical Materials (Bristol)</i> , <b>2008</b> , 3, 034118	3.5	11
123	Silver Loaded Nanofibrous Curdlan Mat for Diabetic Wound Healing: An In Vitro and In Vivo Study. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1800234	3.9	10
122	Influence of magnesium particles and Pluronic F127 on compressive strength and cytocompatibility of nanocomposite injectable and moldable beads for bone regeneration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2018</b> , 88, 453-462	4.1	10
121	Betain immobilized LDPE as antimicrobial food wrapper. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 80, 131-135	5.4	10
120	Functionalized polycaprolactam as an active food package for antibiofilm activity and extended shelf life. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 461-8	6	10
119	In silico engineering of L-asparaginase to have reduced glutaminase side activity for effective treatment of acute lymphoblastic leukemia. <i>Journal of Pediatric Hematology/Oncology</i> , <b>2011</b> , 33, 617-21	1.2	10
118	Synthesis, anti-fungal activity evaluation and QSAR studies on podophyllotoxin derivatives. <i>Open Chemistry</i> , <b>2007</b> , 5, 880-897	1.6	10
117	A Mechanistic Review on Medicinal Mushrooms-Derived Bioactive Compounds: Potential Mycotherapy Candidates for Alleviating Neurological Disorders. <i>Planta Medica</i> , <b>2020</b> , 86, 1161-1175	3.1	10
116	Additive manufacturing technologies: an overview of challenges and perspective of using electrospaying. <i>Nanocomposites</i> , <b>2018</b> , 4, 190-214	3.4	10
115	Eggshell derived brushite bone cement with minimal inflammatory response and higher osteoconductive potential. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 30, 113	4.5	9
114	FtsZ inhibition and redox modulation with one chemical scaffold: Potential use of dihydroquinolines against mycobacteria. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 123, 557-567	6.8	9
113	Modulation of biological properties by grain refinement and surface modification on titanium surfaces for implant-related infections. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 13265-13282	4.3	9
112	Wettability and In Vitro Bioactivity Studies on Titanium Rods Processed by Equal Channel Angular Pressing. <i>Transactions of the Indian Institute of Metals</i> , <b>2013</b> , 66, 299-304	1.2	9
111	Cyclic $\alpha(1, 2)$ -glucan production by <i>Rhizobium meliloti</i> MTCC 3402. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1848-1854	4.54	9

110	Enhancement and Scale-Up of $\beta$ -(1, 3) Glucan Production by <i>Agrobacterium</i> sp.. <i>International Journal of Food Engineering</i> , <b>2010</b> , 6,	1.9	9
109	Effect of Biofouling on Stability of Polycarbonate in Tropical Seawater. <i>The Open Macromolecules Journal</i> , <b>2008</b> , 2, 43-53		9
108	Design of photoluminescence point-of-care membrane strip for the detection of dopamine. <i>Materials Letters</i> , <b>2020</b> , 277, 128316	3.3	9
107	Synthesis, Characterization, and Biological Activity of Aminated Zymosan. <i>ACS Omega</i> , <b>2020</b> , 5, 15973-15982	3.9	9
106	Nanostructure coated AZ31 magnesium cylindrical mesh cage for potential long bone segmental defect repair applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 172, 690-698	6	9
105	Chalcone-Thiazole Hybrids: Rational Design, Synthesis, and Lead Identification against 5-Lipoxygenase. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 1415-1422	4.3	8
104	Drug and ion releasing tetracalcium phosphate based dual action cement for regenerative treatment of infected bone defects. <i>Ceramics International</i> , <b>2018</b> , 44, 9227-9235	5.1	8
103	Probiotics, Prebiotics, and Fibers in Nutritive and Functional Beverages <b>2019</b> , 315-367		8
102	Toxicity of high glycolic poly(DL-lactic-co-glycolic acid) stabilized ruthenium nanoparticles against human promyelocytic leukemia cells. <i>RSC Advances</i> , <b>2014</b> , 4, 11438	3.7	8
101	In vitro biocompatibility of modified polycarbonate as a biomaterial. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 108, 191-8	6	8
100	Mutation at G103 of MtbFtsZ Altered their Sensitivity to Coumarins. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 578	5.7	8
99	QSAR studies on substituted 3- or 4-phenyl-1,8-naphthyridine derivatives as antimicrobial agents. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 788-795	2.2	8
98	Polymer-surfactant layered heterostructures by electropolymerization of phenosafranine in Langmuir-Blodgett films. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 24530-40	3.4	8
97	Process optimization and kinetic modelling of cyclic (1- $\beta$ )-1-6)- $\beta$ -glucans production from <i>Bradyrhizobium japonicum</i> MTCC120. <i>Journal of Biotechnology</i> , <b>2016</b> , 226, 35-43	3.7	8
96	Kinetic and thermodynamic behavior of the biodegradation of waxy crude oil using <i>Bacillus subtilis</i> . <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 160, 412-421	4.4	8
95	A novel class of tyrosine derivatives as dual 5-LOX and COX-2/mPGES1 inhibitors with PGE2 mediated anticancer properties. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 834-846	3.6	7
94	Synthesis of diarylidencyclohexanone derivatives as potential anti-inflammatory leads against COX-2/mPGES1 and 5-LOX. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9012-9020	3.6	7
93	Physicochemical characterization of wheat bran and <i>Kappaphycus alvarezii</i> dietary fibres and their ability to bind mutagens, PhIP, Trp-P-2, A $\beta$ and B $\beta$ . <i>LWT - Food Science and Technology</i> , <b>2015</b> , 63, 169-176	5.4	7

92	Bilayer nanostructure coated AZ31 magnesium alloy implants: in vivo reconstruction of critical-sized rabbit femoral segmental bone defect. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 29, 102232	6	7
91	An efficient and facile green synthesis of bisindole methanes as potential Mtb FtsZ inhibitors. <i>Chemical Biology and Drug Design</i> , <b>2018</b> , 92, 1933-1939	2.9	7
90	QSAR Studies on antiepileptic and locomotor in vivo activities of 4,5-diphenyl-1H-imidazoles. <i>Chemical Biology and Drug Design</i> , <b>2009</b> , 74, 173-82	2.9	7
89	Characterization and biological activities of cyclic (1→3), (1→6)-β-glucans from <i>Bradyrhizobium japonicum</i> . <i>Biotechnology Letters</i> , <b>2016</b> , 38, 1519-25	3	7
88	Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation: An in vitro study. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13600	3.3	7
87	Pharmacophore based approach to screen and evaluate novel Mycobacterium cell division inhibitors targeting FtsZ - A modelling and experimental study. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 135, 103-112	5.1	6
86	Cyclic β-Glucans from Microorganisms. <i>SpringerBriefs in Microbiology</i> , <b>2013</b> ,		6
85	A study on the long term effect of biofilm produced by biosurfactant producing microbe on medical implant. <i>Materials Science and Engineering C</i> , <b>2014</b> , 40, 212-8	8.3	6
84	Kinetic and Scanning Transmission Electron Microscopy Investigations on a MCM-41 Supported Cluster Derived Enantioselective Ruthenium Nanocatalyst. <i>ACS Catalysis</i> , <b>2011</b> , 1, 511-518	13.1	6
83	Docking studies on novel analogues of 8 methoxy fluoroquinolones against GyrA mutants of <i>Mycobacterium tuberculosis</i> . <i>BMC Structural Biology</i> , <b>2011</b> , 11, 47	2.7	6
82	3-D QSAR Studies of Microtubule Stabilizing Antimitotic Agents Towards Six Cancer Cell Lines. <i>QSAR and Combinatorial Science</i> , <b>2006</b> , 25, 952-960		6
81	Biopolymer film fabrication for skin mimetic tissue regenerative wound dressing applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 1-12	3	6
80	Bioelectricity generation and analysis of anode biofilm metabolites from septic tank wastewater in microbial fuel cells. <i>International Journal of Energy Research</i> , <b>2020</b> , 45, 17244	4.5	6
79	Design, synthesis and identification of novel coumapherine derivatives for inhibition of human 5-LOX: Antioxidant, pseudoperoxidase and docking studies. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 604-619	3.4	6
78	Accelerated Self-Hardening Tetracalcium Phosphate Based Bone Cement with Enhanced Strength and Biological Behaviour. <i>Transactions of the Indian Institute of Metals</i> , <b>2015</b> , 68, 299-304	1.2	5
77	Efficacy of <i>Bacillus subtilis</i> for the biodegradation and viscosity reduction of waxy crude oil for enhanced oil recovery from mature reservoirs. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2327-2335	1.6	5
76	Pyridazine-based heteroleptic copper(II) complexes as potent anticancer drugs by inducing apoptosis and S-phase arrest in breast cancer cell. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 160-169	2.7	5
75	Transcriptional Regulation of mPGES1 in Cancer: An Alternative Approach to Drug Discovery?. <i>Current Drug Targets</i> , <b>2017</b> , 18, 119-131	3	5

74	Industrial production and applications of linear and branched glucans. <i>Indian Chemical Engineer</i> , <b>2020</b> , 1-15	1	5
73	Impact of Biosurfactants, Surfactin, and Rhamnolipid Produced from <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> , on the Enhanced Recovery of Crude Oil and Its Comparison with Commercial Surfactants. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9883-9893	4.1	5
72	Papain immobilized polyurethane as an ureteral stent material. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 723-31	3.5	5
71	Microbial cyclic $\beta$ (1-6), (1-6)-glucans as potential drug carriers: Interaction studies between cyclic $\beta$ glucans isolated from <i>Bradyrhizobium japonicum</i> and betulinic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 203, 494-500	4.4	5
70	Computational approach identifies protein off-targets for Isoniazid-NAD adduct: hypothesizing a possible drug resistance mechanism in. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 1697-1710	3.6	4
69	Inhibitory activity of traditional plants against <i>Mycobacterium smegmatis</i> and their action on Filamenting temperature sensitive mutant Z (FtsZ)-A cell division protein. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232482	3.7	4
68	Production and investigation of the physico-chemical properties of MEL-A from glycerol and coconut water. <i>World Journal of Microbiology and Biotechnology</i> , <b>2020</b> , 36, 88	4.4	4
67	Attenuated total reflection fourier transform infrared spectroscopy towards disclosing mechanism of bacterial adhesion on thermally stabilized titanium nano-interfaces. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 135	4.5	4
66	Systematic investigations on the biodegradation and viscosity reduction of long chain hydrocarbons using <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas fluorescens</i> . <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 386-97	4.3	4
65	Probiotics and Bioactive Carbohydrates in Colon Cancer Management <b>2016</b> ,		4
64	Acyl and Benzyl-C- $\beta$ -D-Glucosides: Synthesis and Biostudies for Glucose-Uptake-Promoting Activity in C2C12 Myotubes. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 6053-6070	3.2	4
63	Antithyroid agents and QSAR studies: inhibition of lactoperoxidase-catalyzed iodination reaction by isochromene-1-thiones. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 4810-4817	2.2	4
62	Antibacterial activities of 4-substituted-2-[(E)-{(1S,2R)/(1R,2S)-1-hydroxy-1-phenylpropan-2-ylimino}methyl]phenol. <i>Chemical Biology and Drug Design</i> , <b>2012</b> , 79, 177-85	2.9	4
61	Transesterification of substituted ethanols - modelling studies. <i>Biochemical Engineering Journal</i> , <b>2005</b> , 22, 253-259	4.2	4
60	Computer-Aided Molecular Modeling: A Predictive Approach in the Design of Nanoparticulate Drug Delivery System. <i>Journal of Biomedical Nanotechnology</i> , <b>2005</b> , 1, 375-383	4	4
59	Synthesis, leptospirocidal activity and QSAR analysis of novel quinoxaline derivatives. <i>Medicinal Chemistry</i> , <b>2013</b> , 9, 275-86	1.8	4
58	Preparation of Curdlan sulphate - Chitosan nanoparticles as a drug carrier to target <i>Mycobacterium smegmatis</i> infected macrophages. <i>Carbohydrate Polymers</i> , <b>2021</b> , 258, 117686	10.3	4
57	Polysaccharide-based hydrogels for targeted drug delivery <b>2019</b> , 343-382		4

56	Synthesis of novel spirobibenzopyrans as potent anticancer leads inducing apoptosis in HeLa cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127199	2.9	3
55	Role of Phenolic Phytochemicals in Diabetes Management <b>2019</b> ,		3
54	Influence of Surfactant Variation on Effective Anisotropy and Magnetic Properties of Mechanically Milled Magnetite Nanoparticles and Their Biocompatibility. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	3
53	Comparison of PGH2 binding site in prostaglandin synthases. <i>BMC Bioinformatics</i> , <b>2010</b> , 11 Suppl 1, S51	3.6	3
52	Dimethylaminoethyl modified curdlan nanoparticles for targeted siRNA delivery to macrophages. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110379	8.3	3
51	Potential of pyrroquinazoline alkaloids from <i>Nees.</i> as inhibitors of 5-LOX - a computational and an study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-12	3.6	3
50	Understanding substrate specificity and enantioselectivity of carbonyl reductase from <i>Candida parapsilosis</i> ATCC 7330 (CpCR): Experimental and modeling studies. <i>Molecular Catalysis</i> , <b>2018</b> , 460, 40-45	3.3	3
49	Cyclic $\beta(1, 2)$ -glucan blended poly DL lactic co glycolic acid (PLGA 10:90) nanoparticles for drug delivery. <i>Heliyon</i> , <b>2019</b> , 5, e02289	3.6	2
48	Diarylidencyclopentanone derivatives as potent anti-inflammatory and anticancer agents. <i>Medicinal Chemistry Research</i> , <b>2020</b> , 29, 1579-1589	2.2	2
47	Ligand-based Modeling for the Prediction of Pharmacophore Features for Multi-targeted Inhibition of the Arachidonic Acid Cascade. <i>Molecular Informatics</i> , <b>2018</b> , 37, 1700073	3.8	2
46	Prebiotics and Probiotics in Altering Microbiota: Implications in Colorectal Cancer <b>2018</b> , 403-413		2
45	Generation of drugs coated iron nanoparticles through high energy ball milling. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 124906	2.5	2
44	Computational approaches to improve aggrecanase-1 inhibitory activity of (4-keto) phenoxy) methyl biphenyl-4-sulfonamide: group based QSAR and docking studies. <i>Medicinal Chemistry</i> , <b>2012</b> , 8, 673-82	1.8	2
43	2D QSAR Analysis of Substituted Quinoxalines for their Antitubercular and Antileptospiral Activities. <i>Current Computer-Aided Drug Design</i> , <b>2019</b> , 15, 182-192	1.4	2
42	Sustainable development in agriculture, food and nutrition--a patent analysis. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2011</b> , 3, 133-41	1.9	2
41	Nanoformulations of polyphenols for prevention and treatment of cardiovascular and metabolic disorders <b>2016</b> , 107-151		2
40	Synthesis of Unsymmetrical Linear Diarylheptanoids and their Enantiomers and Antiproliferative Activity Studies. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 6379-6387	3.2	2
39	Inhibition of microsomal prostaglandin E synthase-1 by phenanthrene imidazoles: a QSAR study. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 2213-2226	2.2	1

38	A novel microwave recipe for an antibiofilm titanium surface. <i>Materials Science and Engineering C</i> , <b>2015</b> , 56, 215-22	8.3	1
37	Common structural and pharmacophoric features of mPGES-1 and LTC4S. <i>Future Medicinal Chemistry</i> , <b>2018</b> , 10, 259-268	4.1	1
36	Influence of thermophilic <i>Bacillus subtilis</i> YB7 on the biodegradation of long chain paraffinic hydrocarbons (C16H34 to C36H74). <i>RSC Advances</i> , <b>2016</b> , 6, 82541-82552	3.7	1
35	Food Sources of Antidiabetic Phenolic Compounds <b>2019</b> , 45-82		1
34	Synergistic Behavior of Phytophenolics with Antidiabetic Drugs <b>2019</b> , 123-143		1
33	Production of acylated homoserine lactone by a novel marine strain of <i>Proteus vulgaris</i> and inhibition of its swarming by phytochemicals. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 2170-2177	2.9	1
32	Computational approaches to enhance activity of taxanes as antimitotic agent. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 2557-2570	2.2	1
31	Comparative characterization of renal calculi from patients with clinical disorders. <i>Clinical Biochemistry</i> , <b>2012</b> , 45, 1097-8	3.5	1
30	Experimental and modelling studies on antifungal compounds. <i>Open Chemistry</i> , <b>2006</b> , 4, 428-439	1.6	1
29	Performance of thermophilic strain on the reduction of viscosity of crude oil under high pressure and high temperature conditions: Experiments and modeling. <i>Journal of Petroleum Science and Engineering</i> , <b>2022</b> , 210, 110016	4.4	1
28	Hydroxy Piperlongumines: Synthesis, Antioxidant, Cytotoxic Effect on Human Cancer Cell Lines, Inhibitory Action and ADMET Studies. <i>ChemistrySelect</i> , <b>2020</b> , 5, 11778-11786	1.8	1
27	Alkaloids of Nees. as potential inhibitors of cyclooxygenases - an study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-11	3.6	1
26	Structural characterization and applications of a novel polysaccharide produced by <i>Azospirillum lipoferum</i> MTCC 2306. <i>World Journal of Microbiology and Biotechnology</i> , <b>2019</b> , 35, 17	4.4	1
25	An expedient, one-pot, stepwise sequential approach for the regioselective synthesis of pyrazolines. <i>Journal of Chemical Research</i> , <b>2021</b> , 45, 326-333	0.6	1
24	Arjunetin as a promising drug candidate against SARS-CoV-2: molecular dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-22	3.6	1
23	Molecular docking analysis reveals the functional inhibitory effect of Genistein and Quercetin on TMPRSS2: SARS-COV-2 cell entry facilitator spike protein.. <i>BMC Bioinformatics</i> , <b>2022</b> , 23, 180	3.6	1
22	Mathematical modelling of AHL production in <i>Exiguobacterium</i> MPO strain. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 138, 54-62	4.2	0
21	Fabrication of Nanostructured Scaffolds for Tissue Engineering Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2021</b> , 317-334	0.6	0

- 20 Lockdown of mitochondrial Ca extrusion and subsequent resveratrol treatment kill HeLa cells by Ca overload. *International Journal of Biochemistry and Cell Biology*, **2021**, 139, 106071 5.6 0
- 19 A comprehensive overview of vaccines developed for pandemic viral pathogens over the past two decades including those in clinical trials for the current novel SARS-CoV-2.. *RSC Advances*, **2021**, 11, 20006-20035 3.7 0
- 18 Magnetoimpedance studies on urine treated Co66Ni7Si7B20 ribbons. *Journal of Magnetism and Magnetic Materials*, **2015**, 394, 309-317 2.8
- 17 Preventive and Therapeutic Effects of Dietary Fibers Against Cardiovascular Diseases **2018**, 365-393
- 16 Quantitative structure–cytotoxicity relationships (QSCR) for semi-synthetic Taxoteres against cancer cell lines. *Molecular Simulation*, **2011**, 37, 1122-1130 2
- 15 Langmuir-Blodgett films of ethylenedithiotetrafulvalene derivative containing hydroxyl groups. *Thin Solid Films*, **2010**, 518, 5820-5826 2.2
- 14 An study on pulmonary fibrosis inhibitors from and targeting TGF- $\beta$ 1.. *Journal of Biomolecular Structure and Dynamics*, **2022**, 1-17 3.6
- 13 Biological Synthesis of Silver Nanoparticles and their Functional Properties 162-179
- 12 Biological Synthesis of Silver Nanoparticles and their Functional Properties 1090-1107
- 11 Mechanistic Studies on Combination of Phytochemicals and Synthetic Drugs as Anti-Cancer Agents. *Annals of Traditional Chinese Medicine*, **2007**, 233-253
- 10 Microbial Production and Applications of Mannosylerythritol, Cellobiose and Trehalose Lipids **2019**, 81-105
- 9 Comparative analysis of molecular and conventional methods for bacteriological water quality assessment in drinking water resources around Chennai. *Water Practice and Technology*, **2022**, 17, 708-718 0.9
- 8 Inhibitory activity of traditional plants against Mycobacterium smegmatis and their action on Filamenting temperature sensitive mutant Z (FtsZ) cell division protein **2020**, 15, e0232482
- 7 Inhibitory activity of traditional plants against Mycobacterium smegmatis and their action on Filamenting temperature sensitive mutant Z (FtsZ) cell division protein **2020**, 15, e0232482
- 6 Inhibitory activity of traditional plants against Mycobacterium smegmatis and their action on Filamenting temperature sensitive mutant Z (FtsZ) cell division protein **2020**, 15, e0232482
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- 1 Inhibitory activity of traditional plants against *Mycobacterium smegmatis* and their action on Filamenting temperature sensitive mutant Z (FtsZ) cell division protein **2020**, 15, e0232482