

# Mirjana Antov

## List of Publications by Year in descending order

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65  
papers

1,112  
citations

516215

16  
h-index

433756

31  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of water turbidity by natural coagulants obtained from chestnut and acorn. <i>Bioresource Technology</i> , 2009, 100, 6639-6643.	4.8	144
2	Study of the biosorption of different heavy metal ions onto Kraft lignin. <i>Ecological Engineering</i> , 2011, 37, 2092-2095.	1.6	98
3	Proteins from common bean ( <i>Phaseolus vulgaris</i> ) seed as a natural coagulant for potential application in water turbidity removal. <i>Bioresource Technology</i> , 2010, 101, 2167-2172.	4.8	88
4	The influence of changes in gluten complex structure on technological quality of wheat ( <i>Triticum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	59
5	Evaluation of the efficiency of natural coagulant obtained by ultrafiltration of common bean seed extract in water turbidity removal. <i>Ecological Engineering</i> , 2012, 49, 48-52.	1.6	57
6	Synthesis of Aliphatic Esters of Cinnamic Acid as Potential Lipophilic Antioxidants Catalyzed by Lipase B from <i>Candida antarctica</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1560-1573.	1.4	47
7	Ultrasound assisted extraction in aqueous two-phase system for the integrated extraction and separation of antioxidants from wheat chaff. <i>Separation and Purification Technology</i> , 2017, 182, 52-58.	3.9	47
8	Aqueous two-phase partitioning of xylanase produced by solid-state cultivation of <i>Polyporus squamosus</i> . <i>Process Biochemistry</i> , 2006, 41, 232-235.	1.8	43
9	Common oak ( <i>Quercus robur</i> ) acorn as a source of natural coagulants for water turbidity removal. <i>Industrial Crops and Products</i> , 2018, 117, 340-346.	2.5	42
10	Improved recovery of protein from soy grit by enzyme-assisted alkaline extraction. <i>Journal of Food Engineering</i> , 2020, 276, 109894.	2.7	40
11	Environmental-friendly technologies for the production of antioxidant xylooligosaccharides from wheat chaff. <i>Food Chemistry</i> , 2017, 235, 175-180.	4.2	32
12	Cultivation of <i>Polyporus squamosus</i> for pectinase production in aqueous two-phase system containing sugar beet extraction waste. <i>Journal of Biotechnology</i> , 2001, 91, 83-87.	1.9	26
13	The impact of ultrasound pretreatment on the enzymatic hydrolysis of cellulose from sugar beet shreds: Modeling of the experimental results. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1164-1172.	1.3	23
14	Production of pectinases by <i>Polyporus squamosus</i> in aqueous two-phase system. <i>Enzyme and Microbial Technology</i> , 2001, 28, 467-472.	1.6	22
15	Partitioning of pectinase produced by <i>Polyporus squamosus</i> in aqueous two-phase system polyethylene glycol 4000/crude dextran at different initial pH values. <i>Carbohydrate Polymers</i> , 2004, 56, 295-300.	5.1	18
16	Affinity partitioning of a <i>Cellulomonas fimi</i> $\beta$ -mannanase with a mannan-binding module in galactomannan/starch aqueous two-phase system. <i>Journal of Chromatography A</i> , 2006, 1123, 53-59.	1.8	17
17	Antioxidative activity of red wine with the increased share of phenolic compounds from solid parts of grape. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 65-71.	0.4	17
18	Immobilization of lipase into mesoporous silica particles by physical adsorption. <i>Biocatalysis and Biotransformation</i> , 2009, 27, 254-262.	1.1	14

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19	The effect of enzymatic pretreatment of chickpea on functional properties and antioxidant activity of alkaline protein isolate. <i>Food Chemistry</i> , 2022, 374, 131809.	4.2	14
20	Separation of the components of pectinolytic complex produced by <i>Polyporus souamosus</i> in submerged culture. <i>Biotechnology Letters</i> , 1992, 14, 127-130.	1.1	13
21	Genetic characterization of 27 Y-STR loci with the Yfiler <sup>®</sup> Plus kit in the population of Serbia. <i>Forensic Science International: Genetics</i> , 2017, 31, e48-e49.	1.6	13
22	Pectinases partitioning in aqueous two-phase systems: An integration of the systems poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Society, 2004, 69, 299-307.	0.4	13
23	Pectinase partitioning in polyethylene glycol 1000/Na <sub>2</sub> SO <sub>4</sub> aqueous two-phase system: statistical modeling of the experimental results. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 235-240.	1.7	12
24	Enzymatic hydrolysis of pretreated sugar beet shreds: Statistical modeling of the experimental results. <i>Biomass and Bioenergy</i> , 2012, 47, 387-394.	2.9	12
25	Pectin from butternut squash ( <i>Cucurbita moschata</i> ) – The effect of enzyme-assisted extractions on fiber characteristics and properties. <i>Food Hydrocolloids</i> , 2022, 123, 107201.	5.6	12
26	Sequence polymorphism of the mitochondrial DNA control region in the population of Vojvodina Province, Serbia. <i>Legal Medicine</i> , 2010, 12, 104-107.	0.6	11
27	Advance diversity of enzymatically modified arabinoxylan from wheat chaff. <i>Food Chemistry</i> , 2021, 339, 128093.	4.2	11
28	Evaluation of possibility of textile dye removal from wastewater by aqueous two-phase extraction. <i>Desalination and Water Treatment</i> , 2013, 51, 1603-1608.	1.0	10
29	Complex coacervation of acid-extracted fiber from butternut squash ( <i>Cucurbita moschata</i> ) and protein. <i>Food Hydrocolloids</i> , 2020, 108, 105999.	5.6	10
30	Extraction and partial purification of coagulation active components from common bean seed. <i>Acta Periodica Technologica</i> , 2006, , 37-43.	0.5	10
31	The investigation of coagulation activity of natural coagulants extracted from different strains of common bean. <i>Acta Periodica Technologica</i> , 2010, , 141-147.	0.5	9
32	Wheat chaff utilization: Evaluation of antioxidant capacity of waste streams generated by different pretreatments. <i>Industrial Crops and Products</i> , 2016, 94, 649-657.	2.5	9
33	The influence of hydrothermal extraction conditions on recovery and properties of hemicellulose from wheat chaff – A modeling approach. <i>Biomass and Bioenergy</i> , 2018, 119, 246-252.	2.9	9
34	The Immobilization of Enzyme on Eupergit <sup>®</sup> Supports by Covalent Attachment. <i>Methods in Molecular Biology</i> , 2011, 679, 99-111.	0.4	9
35	The fractionation of natural coagulant extracted from common bean by use of ultrafiltration membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 442-447.	1.0	8
36	Immobilization of $\beta$ -glucosidase onto mesoporous silica support: Physical adsorption and covalent binding of enzyme. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 533-543.	0.4	8

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37	Development of an Environmentally Acceptable Detergent Formulation for Fatty Soils Based on the Lipase from the Indigenous Extremophile <i>Pseudomonas aeruginosa</i> Strain. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 383-395.	1.0	8
38	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 151-156.	1.7	7
39	DNA analysis from human skeletal remains in forensic casework. <i>Forensic Science International: Genetics Supplement Series</i> , 2017, 6, e342-e345.	0.1	6
40	Effect of inorganic phosphate on the secretion of pectinolytic enzymes by <i>Aspergillus niger</i> . <i>Letters in Applied Microbiology</i> , 1992, 14, 275-278.	1.0	5
41	Rapid method for detecting low basal activity of exo-pectinase of <i>Polyporus squamosus</i> . <i>Biotechnology Letters</i> , 1997, 11, 833-836.	0.5	5
42	Population data of the AmpFISTR® NGMâ,ç loci in the population of Vojvodina Province, Serbia. <i>Forensic Science International: Genetics</i> , 2016, 23, e12-e13.	1.6	5
43	Mutation rate at 13 rapidly mutating Y-STR loci in the population of Serbia. <i>Forensic Science International: Genetics Supplement Series</i> , 2017, 6, e377-e379.	0.1	5
44	The effect of sulphates on partitioning of pectinases in aqueous two-phase systems. <i>Acta Periodica Technologica</i> , 2004, , 179-186.	0.5	5
45	Investigation of isolation conditions and ion-exchange purification of protein coagulation components from common bean seed. <i>Acta Periodica Technologica</i> , 2007, , 3-10.	0.5	5
46	The influence of enzymatic pretreatment of chickpea on properties of protein nanoparticles prepared by heat treatment. <i>LWT - Food Science and Technology</i> , 2022, 163, 113545.	2.5	5
47	Application of membrane and natural coagulants for stillage purification. <i>Desalination and Water Treatment</i> , 2013, 51, 437-441.	1.0	4
48	Validation and implementation of the Investigator® 24plex QS kit for forensic casework. <i>Forensic Science International: Genetics Supplement Series</i> , 2017, 6, e77-e79.	0.1	4
49	Rapidly mutating Y-STRs population data in the population of Serbia and haplotype probability assessment for forensic purposes. <i>Forensic Science International: Genetics Supplement Series</i> , 2017, 6, e383-e384.	0.1	3
50	Covalent Immobilization of Enzymes on Eupergit® Supports: Effect of the Immobilization Protocol. <i>Methods in Molecular Biology</i> , 2017, 1504, 75-91.	0.4	3
51	Treatment of sugar beet extraction juice stillage by natural coagulants extracted from common bean. <i>Acta Periodica Technologica</i> , 2015, , 77-89.	0.5	3
52	Possibility of improvement of boiler water treatment processâ€”ion exchange vs. reverse osmosis. <i>Desalination and Water Treatment</i> , 2013, 51, 518-524.	1.0	2
53	Single step recovery of lipase from <i>Penicillium cyclopium</i> by aqueous two-phase extraction. <i>Separation Science and Technology</i> , 2016, 51, 622-628.	1.3	2
54	Bioseparations in aqueous two-phase systems. <i>Acta Periodica Technologica</i> , 2005, , 145-154.	0.5	2

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55	The influence of molecular weight of polyethylene glycol on separation and purification of pectinases from <i>Penicillium cyclopium</i> in aqueous two-phase system. <i>Acta Periodica Technologica</i> , 2008, , 193-199.	0.5	2
56	Water turbidity removal by faba bean ( <i>Vicia faba</i> ) in relation to composition of aqueous extract of seed. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2847-2854.	1.8	1
57	Camomile autofermentation in polyethylene glycol/dextran two-phase system. <i>Acta Periodica Technologica</i> , 2008, , 133-138.	0.5	1
58	Bioconversion of apigenin-7-O- $\beta$ -glucoside in aqueous two-phase system. <i>Acta Periodica Technologica</i> , 2005, , 197-202.	0.5	1
59	Analysis of pretreatments of sugar beet shreds for bioethanol production in respect of cellulose hydrolysis and waste flows. <i>Acta Periodica Technologica</i> , 2011, , 223-230.	0.5	1
60	Evaluation of mesoporous silica and Nb-doped titanate as molecule carriers through adsorption/desorption study. <i>Particulate Science and Technology</i> , 2020, 38, 626-635.	1.1	0
61	Partitioning of cellulolytic activity in the polyethylene glycol/dextran two-phase systems. <i>Acta Periodica Technologica</i> , 2012, , 151-158.	0.5	0
62	Adsorption of cellulases onto sugar beet shreds and modeling of the experimental data. <i>Acta Periodica Technologica</i> , 2014, , 119-128.	0.5	0
63	The effect of beta-glucosidase supplementation on enzymatic hydrolysis of cellulose in hydrothermally pretreated sugar beet shreds. <i>Acta Periodica Technologica</i> , 2018, , 1-9.	0.5	0
64	The purification of natural coagulant extracted from common bean on IRA 958 Cl anion exchange resin. <i>Journal of the Serbian Chemical Society</i> , 2020, 85, 1643-1655.	0.4	0
65	Sugar beet lignocellulose waste as biosorbents: surface functionality, equilibrium studies and artificial neural network modeling. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	0