

# Suzana Dimitrijevic-Brankovic

## List of Publications by Year in descending order

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104  
papers

4,366  
citations

125106

35  
h-index

124990

64  
g-index

104  
all docs

104  
docs citations

104  
times ranked

7658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of bioactive molecules from <i>Hypericum perforatum</i> L. dust using microwave-assisted extraction. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 7111-7123.	2.9	3
2	From Agricultural Waste to Biofuel: Enzymatic Potential of a Bacterial Isolate <i>Streptomyces fulvissimus</i> CKS7 for Bioethanol Production. <i>Waste and Biomass Valorization</i> , 2021, 12, 165-174.	1.8	34
3	Valorization of unexploited artichoke leaves dust for obtaining of extracts rich in natural antioxidants. <i>Separation and Purification Technology</i> , 2021, 256, 117714.	3.9	4
4	Statistical optimization of bioethanol production from waste bread hydrolysate. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 651-662.	0.4	4
5	Utilization of agro-industrial by-products as substrates for dextransucrase production by <i>Leuconostoc mesenteroides</i> T3: Process optimization using response surface methodology. <i>Hemijaska Industrija</i> , 2021, 75, 135-146.	0.3	0
6	Plant Extracts Rich in Polyphenols as Potent Modulators in the Growth of Probiotic and Pathogenic Intestinal Microorganisms. <i>Frontiers in Nutrition</i> , 2021, 8, 688843.	1.6	40
7	Valorization of corn stover and molasses for enzyme synthesis, lignocellulosic hydrolysis and bioethanol production by <i>Hymenobacter</i> sp. CKS3. <i>Environmental Technology and Innovation</i> , 2021, 23, 101627.	3.0	9
8	Dextran-Based Edible Coatings to Prolong the Shelf Life of Blueberries. <i>Polymers</i> , 2021, 13, 4252.	2.0	8
9	Prospect of Polysaccharide-Based Materials as Advanced Food Packaging. <i>Molecules</i> , 2020, 25, 135.	1.7	167
10	Enzymatic hydrolysis of waste bread by newly isolated <i>Hymenobacter</i> sp. CKS3: Statistical optimization and bioethanol production. <i>Renewable Energy</i> , 2020, 152, 627-633.	4.3	13
11	Biocontrol of economically significant diseases in order to increase the yield of pot marigold and valerian seeds and potato tubers. <i>Selekcija I Semenarstvo</i> , 2020, 26, 38-51.	0.6	2
12	Influence of different concentrations of Zn-carbonate phase on physical-chemical properties of antimicrobial agar composite films. <i>Materials Letters</i> , 2019, 255, 126572.	1.3	4
13	Tailoring the physico-chemical and antimicrobial properties of agar-based films by in situ formation of Cu-mineral phase. <i>European Polymer Journal</i> , 2019, 119, 352-358.	2.6	7
14	The production of cellulase from the waste tobacco residues remaining after polyphenols and nicotine extraction and bacterial pre-treatment. <i>Journal of the Serbian Chemical Society</i> , 2019, 84, 129-140.	0.4	7
15	The effect of bacterial isolates from rhizosphere soils on wheat and barley seed germination. <i>Zemljiste I Biljka</i> , 2019, 68, 1-11.	0.6	4
16	Biocontrol and plant stimulating potential of novel strain <i>Bacillus</i> sp. PPM3 isolated from marine sediment. <i>Microbial Pathogenesis</i> , 2018, 120, 71-78.	1.3	18
17	Valorization of damaged rice grains: Optimization of bioethanol production by waste brewer's yeast using an amylolytic potential from the <i>Paenibacillus chitinolyticus</i> CKS1. <i>Fuel</i> , 2018, 224, 591-599.	3.4	23
18	Bimetallic alginate nanocomposites: New antimicrobial biomaterials for biomedical application. <i>Materials Letters</i> , 2018, 212, 32-36.	1.3	17

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19	Customizing the spent coffee for <i>Trichoderma reesei</i> cellulase immobilization by modification with activating agents. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1856-1863.	3.6	8
20	Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly(GMA-co) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 70	2.3	17
21	Synthesis and antimicrobial properties of Zn-mineralized alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2017, 165, 313-321.	5.1	41
22	A treatment of wastewater containing basic dyes by the use of new strain <i>Streptomyces microflavus</i> CKS6. <i>Journal of Cleaner Production</i> , 2017, 148, 347-354.	4.6	29
23	Interaction of amino acid-functionalized silver nanoparticles and <i>Candida albicans</i> polymorphs: A deep-UV fluorescence imaging study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 341-348.	2.5	11
24	Dextran coated silver nanoparticles – Chemical sensor for selective cysteine detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 184-191.	2.5	64
25	Mineralized agar-based nanocomposite films: Potential food packaging materials with antimicrobial properties. <i>Carbohydrate Polymers</i> , 2017, 175, 55-62.	5.1	59
26	Chitosan-triclosan films for potential use as bio-antimicrobial bags in healthcare sector. <i>Materials Letters</i> , 2017, 186, 368-371.	1.3	8
27	Design of pectin-sodium alginate based films for potential healthcare application: Study of chemico-physical interactions between the components of films and assessment of their antimicrobial activity. <i>Carbohydrate Polymers</i> , 2017, 157, 981-990.	5.1	89
28	Characterization of dextranase from <i>Leuconostoc mesenteroides</i> T3, water kefir grains isolate. <i>Hemijaska Industrija</i> , 2017, 71, 351-360.	0.3	5
29	Enhanced fertilization effect of a compost obtained from mixed herbs waste inoculated with novel strains of mesophilic bacteria. <i>Hemijaska Industrija</i> , 2017, 71, 503-513.	0.3	7
30	Effective valorization of barley bran for simultaneous cellulase and $\alpha$ -amylase production by <i>Paenibacillus chitinolyticus</i> CKS1: Statistical optimization and enzymes application. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 1223-1236.	0.4	3
31	Antioxidant activity in different morphological fractions of some cereal grains. <i>Hrana I Ishrana</i> , 2017, 58, 17-23.	0.2	1
32	Survival of spray dried microencapsulated <i>Lactobacillus casei</i> ATCC 393 in simulated gastrointestinal conditions and fermented milk. <i>LWT - Food Science and Technology</i> , 2016, 71, 169-174.	2.5	78
33	Deep UV fluorescence imaging study of <i>Candida albicans</i> cells treated with gold-riboflavin hydrocolloids. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	2
34	Utilization of spent coffee grounds for isolation and stabilization of <i>Paenibacillus chitinolyticus</i> CKS1 cellulase by immobilization. <i>Helijon</i> , 2016, 2, e00146.	1.4	20
35	Biological treatment of colored wastewater by <i>Streptomyces fulvissimus</i> CKS 7. <i>Water Science and Technology</i> , 2016, 73, 2231-2236.	1.2	11
36	Sugar Beet Pulp as <i>Leuconostoc mesenteroides</i> T3 Support for Enhanced Dextranase Production on Molasses. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 1016-1027.	1.4	7

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37	Improved $\alpha$ -amylase production on molasses and sugar beet pulp by a novel strain <i>Paenibacillus chitinolyticus</i> CKS1. <i>Industrial Crops and Products</i> , 2016, 80, 115-122.	2.5	23
38	A fluorescent nanoprobe for single bacterium tracking: functionalization of silver nanoparticles with tryptophan to probe the nanoparticle accumulation with single cell resolution. <i>Analyst</i> , The, 2016, 141, 1988-1996.	1.7	14
39	Traditional and Emerging Technologies for Autochthonous Lactic Acid Bacteria Application. <i>Food Engineering Series</i> , 2016, , 237-256.	0.3	2
40	Carboxymethyl cellulase production from a <i>Paenibacillus</i> sp.. <i>Hemijaska Industrija</i> , 2016, 70, 329-338.	0.3	9
41	Lignocellulosic waste material as substrate for Avicelase production by a new strain of <i>Paenibacillus chitinolyticus</i> CKS1. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 426-434.	1.9	20
42	Nanomaterial with High Antimicrobial Efficacy—Copper/Polyaniline Nanocomposite. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1955-1966.	4.0	140
43	Negative influence of Ag and TiO <sub>2</sub> nanoparticles on biodegradation of cotton fabrics. <i>Cellulose</i> , 2015, 22, 1365-1378.	2.4	18
44	Nutrient profile of black coffee consumed in Serbia: Filling a gap in the food composition database. <i>Journal of Food Composition and Analysis</i> , 2015, 40, 61-69.	1.9	16
45	Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species <i>Leuconostoc mesenteroides</i> T3. <i>Carbohydrate Polymers</i> , 2015, 131, 331-336.	5.1	38
46	$\alpha$ -Amylase production from packaging-industry wastewater using a novel strain <i>Paenibacillus chitinolyticus</i> CKS 1. <i>RSC Advances</i> , 2015, 5, 90895-90903.	1.7	3
47	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 742-750.	2.5	35
48	The antimicrobial efficiency of silver activated sorbents. <i>Applied Surface Science</i> , 2015, 357, 819-831.	3.1	15
49	Optimisation of microwave-assisted extraction parameters for antioxidants from waste <i>Achillea millefolium</i> dust. <i>Industrial Crops and Products</i> , 2015, 77, 333-341.	2.5	55
50	Plant waste materials from restaurants as the adsorbents for dyes. <i>Hemijaska Industrija</i> , 2015, 69, 667-677.	0.3	10
51	Water Kefir grain as a source of potent dextran producing lactic acid bacteria. <i>Hemijaska Industrija</i> , 2015, 69, 595-604.	0.3	26
52	Synthesis of fluorine substituted hydroxyapatite nanopowders and application of the central composite design for determination of its antimicrobial effects. <i>Applied Surface Science</i> , 2014, 290, 346-352.	3.1	78
53	Removal of a Cationic Dye from Aqueous Solution by Microwave Activated Clinoptilolite—Response Surface Methodology Approach. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	7
54	Copper nanoparticles with high antimicrobial activity. <i>Materials Letters</i> , 2014, 128, 75-78.	1.3	154

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55	Antioxidant properties of the anthocyanin-containing ultrasonic extract from blackberry cultivar 'Arenska Bestrna'. Industrial Crops and Products, 2014, 53, 274-281.	2.5	71
56	Microwave-assisted extraction for the recovery of antioxidants from waste Equisetum arvense. Industrial Crops and Products, 2014, 61, 388-397.	2.5	34
57	Silver film on nanocrystalline TiO <sub>2</sub> support: Photocatalytic and antimicrobial ability. Materials Research Bulletin, 2014, 60, 824-829.	2.7	6
58	Antimicrobial activity and biocompatibility of Ag <sup>+</sup> - and Cu <sup>2+</sup> -doped biphasic hydroxyapatite/β-tricalcium phosphate obtained from hydrothermally synthesized Ag <sup>+</sup> - and Cu <sup>2+</sup> -doped hydroxyapatite. Applied Surface Science, 2014, 307, 513-519.	3.1	119
59	ZnO-modified cellulose fiber sheets for antibody immobilization. Carbohydrate Polymers, 2014, 109, 139-147.	5.1	42
60	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. Chemical Engineering Journal, 2014, 253, 341-349.	6.6	40
61	Optimization of microwave-assisted extraction of natural antioxidants from spent espresso coffee grounds by response surface methodology. Journal of Cleaner Production, 2014, 80, 69-79.	4.6	95
62	Preparation, characterization and antimicrobial activity of chitosan microparticles with thyme essential oil. Hemijska Industrija, 2014, 68, 721-729.	0.3	11
63	Antimicrobial hydrogels based on 2-hydroxyethyl methacrylate and itaconic acid containing silver(I) ion. Tehnika, 2014, 69, 563-568.	0.0	7
64	Comparative analysis of the chemical composition and antimicrobial activities of some of Lamiaceae family species and Eucalyptus (Eucalyptus globules M). Acta Periodica Technologica, 2014, , 201-213.	0.5	0
65	Antimicrobial P(HEMA/IA)/PVP semi-interpenetrating network hydrogels. Polymer Bulletin, 2013, 70, 809-819.	1.7	19
66	Stability of the pyrethroid pesticide bifenthrin in milled wheat during thermal processing, yeast and lactic acid fermentation, and storage. Journal of the Science of Food and Agriculture, 2013, 93, 3377-3383.	1.7	35
67	Evaluation and improvement of antioxidant and antibacterial activities of supercritical extracts from clove buds. Journal of Functional Foods, 2013, 5, 416-423.	1.6	53
68	Dissipation of pirimiphos-methyl during wheat fermentation by <i>Lactobacillus plantarum</i> . Letters in Applied Microbiology, 2013, 57, 412-419.	1.0	32
69	Influence of size scale and morphology on antibacterial properties of ZnO powders hydrothemally synthesized using different surface stabilizing agents. Colloids and Surfaces B: Biointerfaces, 2013, 102, 21-28.	2.5	178
70	The antioxidant properties of dried extracts from the spent espresso coffee. Hemijska Industrija, 2013, 67, 261-267.	0.3	8
71	Efficiencies of different methods for determination of organophosphate pesticide residues in fermented wheat substrate. Pesticidi I Fitomedicina = Pesticides and Phytomedicine, 2013, 28, 133-140.	0.1	2
72	The study of antibacterial activity and stability of dyed cotton fabrics modified with different forms of silver. Journal of the Serbian Chemical Society, 2012, 77, 225-234.	0.4	20

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73	Biocompatibility and antimicrobial activity of zinc(II) doped hydroxyapatite, synthesized by hydrothermal method. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1787-1798.	0.4	23
74	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 17-25.	2.3	19
75	Viscoelastic properties and antimicrobial activity of cellulose fiber sheets impregnated with Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2012, 90, 1139-1146.	5.1	31
76	Fabrication and antibacterial properties of ZnO-alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2012, 88, 263-269.	5.1	119
77	Inhibition of myeloperoxidase and antioxidative activity of <i>Gentiana lutea</i> extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 66, 191-196.	1.4	55
78	Comparative analysis of the potential probiotic abilities of lactobacilli of human origin and from fermented vegetables. <i>Archives of Biological Sciences</i> , 2012, 64, 1473-1480.	0.2	6
79	Inhibition of Microbial Growth by Silver-Starch Nanocomposite Thin Films. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2343-2355.	1.9	28
80	Antioxidant Activity and Total Phenolic Content in Some Cereals and Legumes. <i>International Journal of Food Properties</i> , 2011, 14, 175-184.	1.3	81
81	Silver nanoparticles encapsulated in glycogen biopolymer: Morphology, optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , 2011, 83, 883-890.	5.1	54
82	Synthesis of antimicrobial monophasic silver-doped hydroxyapatite nanopowders for bone tissue engineering. <i>Applied Surface Science</i> , 2011, 257, 4510-4518.	3.1	221
83	Effect of fermentation on antioxidant properties of some cereals and pseudo cereals. <i>Food Chemistry</i> , 2010, 119, 957-963.	4.2	331
84	Synthesis, characterization and antimicrobial activity of copper and zinc-doped hydroxyapatite nanopowders. <i>Applied Surface Science</i> , 2010, 256, 6083-6089.	3.1	461
85	Bactericidal Efficiency of Silver Nanoparticles Deposited onto Radio Frequency Plasma Pretreated Polyester Fabrics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 7287-7293.	1.8	70
86	Antimicrobial activity of hybrid hydrogels based on poly(vinylpyrrolidone) containing silver. <i>Hemijaska Industrija</i> , 2010, 64, 209-214.	0.3	2
87	Biologically active fibers based on chitosan-coated lyocell fibers. <i>Carbohydrate Polymers</i> , 2009, 78, 240-246.	5.1	45
88	Synthesis and characterization of poly(2-hydroxyethyl methacrylate/itaconic acid) copolymeric hydrogels. <i>Polymer Bulletin</i> , 2009, 63, 837-851.	1.7	37
89	Silver-Loaded Cotton/Polyester Fabric Modified by Dielectric Barrier Discharge Treatment. <i>Plasma Processes and Polymers</i> , 2009, 6, 58-67.	1.6	47
90	Heavy metals concentration in soils from parks and green areas in Belgrade. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 697-706.	0.4	43

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91	Antibacterial effect of silver nanoparticles deposited on corona-treated polyester and polyamide fabrics. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1816-1821.	1.6	151
92	Surface characteristics and antibacterial activity of a silver-doped carbon monolith. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 015006.	2.8	21
93	Lipase catalyzed synthesis of flavor esters in non-aqueous media: Optimization of the yield of pentyl 2-methylpropanoate by statistical analysis. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 1139-1151.	0.4	14
94	Antimicrobial textile prepared by silver deposition on dielectric barrier discharge treated cotton/polyester fabric. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2008, 14, 219-221.	0.4	16
95	Effect of fermentation conditions on lipase production by <i>Candida utilis</i> . <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 757-765.	0.4	21
96	Antimicrobial activity of the essential oil and different fractions of <i>Juniperus communis</i> L. and a comparison with some commercial antibiotics. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 311-320.	0.4	82
97	A study of the synergistic antilisterial effects of a sub-lethal dose of lactic acid and essential oils from <i>Thymus vulgaris</i> L., <i>Rosmarinus officinalis</i> L. and <i>Origanum vulgare</i> L.. <i>Food Chemistry</i> , 2007, 104, 774-782.	4.2	70
98	Protection of probiotic microorganisms by microencapsulation. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2007, 13, 169-174.	0.4	39
99	Bioprotective agents in safety control. <i>Hemijska Industrija</i> , 2003, 57, 479-485.	0.3	0
100	Drying of biological materials in a spout-fluid bed with a draft tube. <i>Hemijska Industrija</i> , 2002, 56, 141-146.	0.3	2
101	The significance and possibility of functional food production. <i>Hemijska Industrija</i> , 2002, 56, 113-122.	0.3	4
102	The influence of a cryoprotective medium containing glycerol on the lyophilization of lactic acid bacteria. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 435-441.	0.4	8
103	Comparative study on biochemical activity of the intestinal isolates <i>Lactobacillus</i> sp. V3 and <i>Bifidobacterium</i> sp. A71 in different substrates. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 581-589.	0.4	2
104	Valorization of lignocellulosic wastes for extracellular enzyme production by novel Basidiomycetes: screening, hydrolysis, and bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	4