

# Santa R Joshi

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

1,920  
citations

236925

25  
h-index

315739

38  
g-index

116  
all docs

116  
docs citations

116  
times ranked

2449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastructures of silver nanoparticles biosynthesized using endophytic fungi. <i>Journal of Microscopy and Ultrastructure</i> , 2015, 3, 29.	0.4	137
2	Antimicrobial and Synergistic Effects of Silver Nanoparticles Synthesized Using Soil Fungi of High Altitudes of Eastern Himalaya. <i>Mycobiology</i> , 2012, 40, 27-34.	1.7	110
3	Biosorptive uptake of Fe 2+ , Cu 2+ and As 5+ by activated biochar derived from <i>Colocasia esculenta</i> : Isotherm, kinetics, thermodynamics, and cost estimation. <i>Journal of Advanced Research</i> , 2016, 7, 597-610.	9.5	98
4	Study on bioremediation of Lead by exopolysaccharide producing metallophilic bacterium isolated from extreme habitat. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017, 16, 48-57.	4.4	78
5	Isolation and analyses of uranium tolerant <i>Serratia marcescens</i> strains and their utilization for aerobic uranium U(VI) bioadsorption. <i>Journal of Microbiology</i> , 2011, 49, 568-574.	2.8	63
6	Uranium (U)-Tolerant Bacterial Diversity from U Ore Deposit of Domiasiat in North-East India and Its Prospective Utilisation in Bioremediation. <i>Microbes and Environments</i> , 2013, 28, 33-41.	1.6	61
7	Evaluation of the antimicrobial potency of silver nanoparticles biosynthesized by using an endophytic fungus, <i>Cryptosporiopsis ericae</i> PS4. <i>Journal of Microbiology</i> , 2014, 52, 667-674.	2.8	50
8	Insight into Cr6+ reduction efficiency of <i>Rhodococcus erythropolis</i> isolated from coalmine waste water. <i>Chemosphere</i> , 2017, 167, 269-281.	8.2	49
9	Bioprospecting of Plant Growth Promoting Bacilli and Related Genera Prevalent in Soils of Pristine Sacred Groves: Biochemical and Molecular Approach. <i>PLoS ONE</i> , 2016, 11, e0152951.	2.5	40
10	Interlining Cr(VI) remediation mechanism by a novel bacterium <i>Pseudomonas brenneri</i> isolated from coalmine wastewater. <i>Journal of Environmental Management</i> , 2019, 233, 271-282.	7.8	40
11	Studies on Biosynthesis of Antimicrobial Silver Nanoparticles Using Endophytic Fungi Isolated from the Ethno-medicinal Plant <i>Gloriosa superba</i> L.. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2014, 84, 1091-1099.	1.0	37
12	Synthesis and evaluation of new salicylaldehyde-2-picolinylhydrazone Schiff base compounds of Ru(II), Rh(III) and Ir(III) as in vitro antitumor, antibacterial and fluorescence imaging agents. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 619-638.	2.6	36
13	Diversity and Biological Activities of Endophytic Fungi of <i>Emblca officinalis</i> , an Ethnomedicinal Plant of India. <i>Mycobiology</i> , 2012, 40, 8-13.	1.7	35
14	Synthesis, structure, antibacterial studies and DFT calculations of arene ruthenium, Cp*—Rh, Cp*—Ir and tricarbonylrhenium metal complexes containing 2-chloro-3-(3-(2-pyridyl)pyrazolyl)quinoxaline ligand. <i>Inorganica Chimica Acta</i> , 2016, 441, 95-108.	2.4	35
15	Microbial enzyme activities related to litter decomposition near a highway in a sub-tropical forest of North East India. <i>Soil Biology and Biochemistry</i> , 1993, 25, 1763-1770.	8.8	34
16	Enzymatic activity of fungi endophytic on five medicinal plant species of the pristine sacred forests of Meghalaya, India. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 33-40.	2.6	34
17	Antibacterial, in vitro antitumor activity and structural studies of rhodium and iridium complexes featuring the two positional isomers of pyridine carbaldehyde picolinic hydrazone ligand. <i>Arabian Journal of Chemistry</i> , 2018, 11, 714-728.	4.9	33
18	A reusable magnetic nickel nanoparticle based catalyst for the aqueous synthesis of diverse heterocycles and their evaluation as potential anti-bacterial agent. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5018-5028.	3.0	32

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19	Investigation on the bioactivity of culturable endophytic and epiphytic bacteria associated with ethnomedicinal plants. <i>Journal of Infection in Developing Countries</i> , 2015, 9, 954-961.	1.2	31
20	Application of zirconium caged activated biochar alginate beads towards deionization of Cr(VI) laden water in a fixed bed column reactor. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4018-4029.	6.7	29
21	Ultrastructural analysis of calcite crystal patterns formed by biofilm bacteria associated with cave speleothems. <i>Journal of Microscopy and Ultrastructure</i> , 2014, 2, 217.	0.4	28
22	Epiphytic and endophytic bacteria that promote growth of ethnomedicinal plants in the subtropical forests of Meghalaya, India. <i>Revista De Biologia Tropical</i> , 2014, 62, 1295.	0.4	28
23	Occurrence of Horizontal Gene Transfer of PIB-type ATPase Genes among Bacteria Isolated from the Uranium Rich Deposit of Domiasiat in North East India. <i>PLoS ONE</i> , 2012, 7, e48199.	2.5	26
24	Biological Activity of Endophytic Fungi of <i>Rauwolfia serpentina</i> Benth: An Ethnomedicinal Plant Used in Folk Medicines in Northeast India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 233-240.	1.0	26
25	Molecular characterization of novel <i>Bradyrhizobium</i> strains nodulating <i>Eriosema chinense</i> and <i>Flemingia vestita</i> , important unexplored native legumes of the sub-Himalayan region (Meghalaya) of India. <i>Systematic and Applied Microbiology</i> , 2017, 40, 334-344.	2.8	25
26	Retail Market Poultry Meats of North-East India-A Microbiological Survey for Pathogenic Contaminants. <i>Research Journal of Microbiology</i> , 2010, 5, 36-43.	0.2	24
27	Diversity of Culturable Soil Micro-fungi along Altitudinal Gradients of Eastern Himalayas. <i>Mycobiology</i> , 2012, 40, 151-158.	1.7	22
28	DNA barcoding of wild edible mushrooms consumed by the ethnic tribes of India. <i>Gene</i> , 2014, 550, 123-130.	2.2	22
29	Cultivable bacterial diversity along the altitudinal zonation and vegetation range of tropical Eastern Himalaya. <i>Revista De Biologia Tropical</i> , 2013, 61, 467-90.	0.4	22
30	High-Level Aminoglycoside Resistance in <i>Acinetobacter baumannii</i> Recovered from Intensive Care Unit Patients in Northeastern India. <i>Indian Journal of Medical Microbiology</i> , 2018, 36, 43-48.	0.8	22
31	Assessment of shifting cultivation fallows in Northeastern India using Landsat imageries. <i>Tropical Ecology</i> , 2020, 61, 65-75.	1.2	21
32	Genetic Environment of Plasmid Mediated CTX-M-15 Extended Spectrum Beta-Lactamases from Clinical and Food Borne Bacteria in North-Eastern India. <i>PLoS ONE</i> , 2015, 10, e0138056.	2.5	20
33	Diversity of <i>Streptomyces</i> spp. in Eastern Himalayan region –“ computational RNomics approach to phylogeny. <i>Bioinformatics</i> , 2012, 8, 548-554.	0.5	20
34	Insights into Cave Architecture and the Role of Bacterial Biofilm. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2013, 83, 277-290.	1.0	18
35	Characterization and bioremediation potential of native heavy-metal tolerant bacteria isolated from rat-hole coal mine environment. <i>Archives of Microbiology</i> , 2021, 203, 2379-2392.	2.2	18
36	Distribution pattern analysis of epiphytic bacteria on ethnomedicinal plant surfaces: A micrographical and molecular approach. <i>Journal of Microscopy and Ultrastructure</i> , 2014, 2, 34.	0.4	17

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37	A Study on Parameters Optimization for Degradation of Endosulfan by Bacterial Consortia Isolated from Contaminated Soil. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 657-667.	1.0	17
38	Cesium and strontium tolerant <i>Arthrobacter</i> sp. strain KMSZP6 isolated from a pristine uranium ore deposit. AMB Express, 2016, 6, 69.	3.0	17
39	Antibacterial and Synergistic Activity Against $\hat{1}^2$ -Lactamase-Producing Nosocomial Bacteria by Bacteriocin of LAB Isolated From Lesser Known Traditionally Fermented Products of India. HAYATI Journal of Biosciences, 2017, 24, 87-95.	0.4	17
40	Antibiotic resistance and probiotic properties of dominant lactic microflora from Tungrymbai, an ethnic fermented soybean food of India. Journal of Microbiology, 2012, 50, 535-539.	2.8	16
41	Microscopic study on colonization and antimicrobial property of endophytic bacteria associated with ethnomedicinal plants of Meghalaya. Journal of Microscopy and Ultrastructure, 2017, 5, 132.	0.4	16
42	Molecular insight into the expression of metal transporter genes in <i>Chryseobacterium</i> sp. PMSZPI isolated from uranium deposit. PLoS ONE, 2019, 14, e0216995.	2.5	16
43	Characterization of oleaginous endophytic fungi of biodiesel plants as potential biofuel minifactories. Biomass and Bioenergy, 2020, 142, 105750.	5.7	16
44	Multi-loci Molecular Characterisation of Endophytic Fungi Isolated from Five Medicinal Plants of Meghalaya, India. Mycobiology, 2011, 39, 71.	1.7	15
45	Exopolysaccharide Production by a Lactic Acid Bacteria, <i>Leuconostoc lactis</i> Isolated from Ethnically Fermented Beverage. The National Academy of Sciences, India, 2014, 37, 59-64.	1.3	15
46	Horizontal Gene Transfer of the Non-ribosomal Peptide Synthetase Gene Among Endophytic and Epiphytic Bacteria Associated with Ethnomedicinal Plants. Current Microbiology, 2016, 72, 1-11.	2.2	15
47	Native microorganisms as potent bioinoculants for plant growth promotion in shifting agriculture (Jhum) systems. Journal of Soil Science and Plant Nutrition, 2017, , 0-0.	3.4	14
48	Interaction of caffeine and sulfadiazine with lysozyme adsorbed at colloidal metal nanoparticle interface: influence on drug transport ability and antibacterial activity. Journal of Biomolecular Structure and Dynamics, 2019, 37, 321-335.	3.5	14
49	Distribution of carbapenem resistant <i>Acinetobacter baumannii</i> with blaADC-30 and induction of ADC-30 in response to beta-lactam antibiotics. Research in Microbiology, 2020, 171, 128-133.	2.1	14
50	Plant Growth Promoting and Metal Bioadsorption Activity of Metal Tolerant <i>Pseudomonas aeruginosa</i> Isolate Characterized from Uranium Ore Deposit. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 157-164.	1.0	13
51	Influence of roadside pollution on the phylloplane microbial community of <i>Alnus nepalensis</i> (Betulaceae). Revista De Biologia Tropical, 2008, 56, 1521-9.	0.4	13
52	Structure elucidation and in silico docking studies of a novel furopyrimidine antibiotics synthesized by endolithic bacterium <i>Actinomadura</i> sp. AL2. World Journal of Microbiology and Biotechnology, 2017, 33, 178.	3.6	12
53	TEM mediated extended spectrum cephalosporin resistance in clinical & environmental isolates of Gram negative bacilli: A report from northeast India. Indian Journal of Medical Research, 2015, 142, 614.	1.0	12
54	Culturable bacteria associated with the caves of Meghalaya in India contribute to speleogenesis. Journal of Cave and Karst Studies, 2016, 78, 144-157.	0.6	12

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55	Functional Nutraceutical Profiling of Wild Edible and Medicinal Mushrooms Consumed by Ethnic Tribes in India. <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 187-197.	1.5	11
56	Ultrastructural effect on mastitis pathogens by extract of endophytic fungi associated with ethnoveterinary plant, <i>Hibiscus sabdariffa</i> L.. <i>Journal of Microscopy and Ultrastructure</i> , 2015, 3, 38.	0.4	11
57	Micrographical Assessment of Antifungal Effect of Endophytic Bacteria. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2016, 86, 9-14.	1.0	11
58	Co-occurrence of antimicrobial resistance and virulence determinants in enterococci isolated from traditionally fermented fish products. <i>Journal of Global Antimicrobial Resistance</i> , 2019, 17, 79-83.	2.2	11
59	Fungal endophytes of five medicinal plants prevalent in the traditionally preserved "Sacred forests"™ of Meghalaya, India. <i>Forest Science and Technology</i> , 2011, 7, 151-154.	0.8	10
60	Screening of fibrinolytic enzymes from lactic acid bacterial isolates associated with traditional fermented soybean foods. <i>Food Science and Biotechnology</i> , 2014, 23, 1601-1604.	2.6	10
61	Characterization of Metal Tolerant <i>Serratia</i> spp. Isolates from Sediments of Uranium Ore Deposit of Domiasiat in Northeast India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2016, 86, 253-260.	1.0	9
62	NEMiD: A Web-Based Curated Microbial Diversity Database with Geo-Based Plotting. <i>PLoS ONE</i> , 2014, 9, e94088.	2.5	8
63	Enzymatic profiling of wild edible mushrooms consumed by the ethnic tribes of India. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 263-271.	0.9	8
64	Acid and Heavy Metal Tolerant <i>Bacillus</i> sp. from Rat-Hole Coal Mines of Meghalaya, India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018, 88, 1187-1198.	1.0	8
65	<scp>Glutamine Supported on Core-Shell Silica Iron Oxide Nanoparticles: A Highly Efficient Organocatalyst for Synthesis of Spirooxindoles. <i>ChemistrySelect</i> , 2019, 4, 12399-12408.	1.5	8
66	Bacterial Community Structure from the Perspective of the Uranium Ore Deposits of Domiasiat in India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2013, 83, 485-497.	1.0	7
67	A first calibration of culturable bacterial diversity and their dual resistance to heavy metals and antibiotics along altitudinal zonation of the Teesta River. <i>Archives of Microbiology</i> , 2022, 204, 241.	2.2	7
68	Molecular and Probiotic Functional Characterization of <i>Lactobacillus</i> spp. Associated with Traditionally Fermented Fish, Tungtap of Meghalaya in Northeast India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 923-933.	1.0	6
69	Fungi in Hypogean Environment: Bioprospection Perspective. , 2019, , 539-561.		6
70	Application of acid and heavy metal resistant bacteria from rat-hole coal mines in bioremediation strategy. <i>Journal of Basic Microbiology</i> , 2022, 62, 480-488.	3.3	6
71	Physicochemical Analysis of Ethnically Fermented Soybean Products of North-East India and Molecular Characterization of Associated Lactic Acid Bacteria. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 527-533.	1.0	5
72	Precursor-directed combinatorial biosynthesis of cephalosporin analogue by endolithic actinobacterium <i>Streptomyces</i> sp. AL51 by utilizing thiophene derivative. <i>3 Biotech</i> , 2018, 8, 31.	2.2	5

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73	Pyridine aided progression from amorphous to crystalline bis([5-(aryl)-1-diazenyl]quinolin-8-olato)zinc(II) compounds—Solution and solid-state structural characterization, nanoparticle formation and antibacterial activity. <i>Inorganica Chimica Acta</i> , 2018, 482, 756-773.	2.4	5
74	Lentinula edodes based GIS mapping, biometabolites and antiinflammatory activity of wild edible mushrooms from tropical “sacred grove” forests of Meghalaya, India. <i>Revista De Biologia Tropical</i> , 2016, 64, 247.	0.4	5
75	Molecular Characterization and Antioxidant Potential of Three Wild Culinary-Medicinal Mushrooms from Tripura, Northeast India. <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 55-63.	1.5	5
76	A selective medium for recovery and enumeration of endolithic bacteria. <i>Journal of Microbiological Methods</i> , 2016, 129, 44-54.	1.6	4
77	Optimization of Fe <sup>2+</sup> Removal from Coal Mine Wastewater using Activated Biochar of <i>Colocasia esculenta</i> . <i>Water Environment Research</i> , 2017, 89, 774-782.	2.7	4
78	Tweaking the affinity of aryl-substituted diazosalicylato- and pyridine ligands towards Zn (II) and its neighbors in the periodic system of the elements, Cu (II) and Cd (II), and their antimicrobial activity. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4905.	3.5	4
79	Bioprospection of anti-inflammatory phytochemicals suggests rutaecarpine and quinine as promising 15-lipoxygenase inhibitors. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 13598-13613.	2.6	4
80	Analysis of the Bioactive Metabolites of the Endangered Mexican Lost Fungi <i>Campanophyllum</i> – A Report from India. <i>Mycobiology</i> , 2020, 48, 58-69.	1.7	4
81	Cave Microbiome for Human Welfare. , 2019, , 3-30.		4
82	Metal–Microbe Interaction and Bioremediation. , 2014, , 235-251.		3
83	Mineralogical Footprints of Bacterial Biofilms Associated with Labit Cave, a Part of the Longest Cave System in India. <i>Geomicrobiology Journal</i> , 2016, 33, 699-708.	2.0	3
84	Micrographical analysis of growth deformities in common pathogens induced by voucher fungi from India. <i>Journal of Microscopy and Ultrastructure</i> , 2016, 4, 203.	0.4	3
85	Biological, Chemical and Nanosorption Approaches in Remediation of Metal Wastes. , 2019, , 93-111.		3
86	Impact of heavy metals on water quality and indigenous <i>Bacillus</i> spp. prevalent in rat-hole coal mines. <i>3 Biotech</i> , 2021, 11, 253.	2.2	3
87	Modulated Antimicrobial Activity and Drug-Protein Interaction Ability of Zinc Oxide and Cadmium Sulfide Nanoparticles: Effect of Doping with Few First-Row Transition Metals. <i>Journal of Cluster Science</i> , 0, , 1.	3.3	3
88	Micromorphological Characterization of Wild Edible Mushroom Spores Using Scanning Electron Microscopy. <i>The National Academy of Sciences, India</i> , 2014, 37, 521-527.	1.3	2
89	Naturally Evolving Extended Spectrum Cephalosporin Resistance in Soil Borne Isolates of Enterobacteriaceae. <i>The National Academy of Sciences, India</i> , 2016, 39, 181-184.	1.3	2
90	Detection of a new class C $\beta$ -lactamase (CMY-139) in <i>Klebsiella pneumoniae</i> of food origin from India. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 8, 46-47.	2.2	2

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91	Bioprospection of endophytic fungi associated with ethnoveterinary plants for novel metabolites. , 2021, , 375-406.		2
92	Cryopreservation Design for Bacterial Cell: a Non-Conventional Gizmatic Approach. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 0, , 1.	1.0	2
93	Application of NativeÂBacillusÂsp. forÂSustainableÂJhumÂAgro-ecosystem. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2021, 91, 799-810.	1.0	2
94	Endophytic fungi from tropical ethnoveterinary plants and their antibacterial efficacy against Pasteurella multocida Capsular Type A strain. Revista De Biologia Tropical, 2016, 64, 733.	0.4	2
95	Understanding the Small World: The Microbes. , 2022, , 1-61.		2
96	Editorial: Genomics and Metabolomics of Microbes in Fermented Food. Frontiers in Microbiology, 2022, 13, 892726.	3.5	2
97	A Study on the Occurrence of Non-O157 Shiga Toxin Producing Escherichia coli Isolates in Retail Chicken Meats Marketed in North-East India. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 337-342.	1.0	1
98	Synthesis, crystal structures, magnetic properties and antimicrobial screening of octahedral nickel(II) complexes with substituted quinolin-8-olates and pyridine ligands. Journal of Molecular Structure, 2020, 1200, 127106.	3.6	1
99	The Gomphus Paradox of Meghalaya: Wild Edible Fungus or a Poisonous Mushroom?. , 2014, , 171-176.		1
100	Soil Microbiota and Sustainable Jhum Agroecosystem. , 2019, , 57-82.		1
101	Ethnic Fermented Foods and Beverages of Meghalaya. , 2020, , 421-433.		1
102	AOT Micelles/Vesicles for Synthesis of Silver Nanoparticles and Micellar Transitions Affected by Nanoparticles. ChemistrySelect, 2016, 1, 2864-2871.	1.5	0
103	Enterococci Prevalent in Processed Food Products: From Probiotics to Food Safety. , 2017, , 287-299.		0
104	Molecular Characterization of Wild Mushrooms: A Paradigm Shift from Morphotyping. Fungal Biology, 2018, , 57-79.	0.6	0
105	Wild Mushrooms as Functional Foods: The Significance of Inherent Perilous Metabolites. , 2019, , 1-12.		0
106	Metallophillic Bacteria and Bioremediation of Heavy Metals. , 2021, , 101-116.		0
107	Lithic Bacteria. , 2018, , 51-73.		0
108	Plant growth promoting rhizobacteria from the perspectives of tea plantations and diseases. , 2022, , 315-332.		0

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109	Microbes as biomedical minifactories and medical product evaluation models. , 2022, , 667-701.		0