

# M S Jisha

## List of Publications by Year in descending order

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56  
papers

2,218  
citations

331259

21  
h-index

233125

45  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies in microbial degradation enhancement of chlorpyrifos – a review based on the primary approaches in soil bioremediation. <i>Biocatalysis and Biotransformation</i> , 2022, 40, 83-94.	1.1	7
2	<i>Bacillus</i> spp. Facilitated Abiotic Stress Mitigation in Rice. <i>Bacilli in Climate Resilient Agriculture and Bioprospecting</i> , 2022, , 285-318.	0.6	2
3	Chitosan nanoparticles as a rice growth promoter: evaluation of biological activity. <i>Archives of Microbiology</i> , 2022, 204, 95.	1.0	7
4	Biodegradation of petroleum based and bio-based plastics: approaches to increase the rate of biodegradation. <i>Archives of Microbiology</i> , 2022, 204, 258.	1.0	15
5	Characterization of the major antifungal extralite from rice endophyte <i>Lysinibacillus sphaericus</i> against <i>Rhizoctonia solani</i> . <i>Archives of Microbiology</i> , 2021, 203, 2605-2613.	1.0	6
6	Molecular Docking Study of Bioactive Compounds of <i>Withania somnifera</i> Extract Against Topoisomerase IV Type B. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 381-390.	0.4	10
7	In vitro anticancer evaluation of chitosan/biogenic silver nanoparticle conjugate on Si Ha and MDA MB cell lines. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 715-728.	1.6	12
8	Sequence analysis and docking performance of extracellular chitinase from <i>Bacillus pumilus</i> MCB-7, a novel mangrove isolate. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109624.	1.6	4
9	Plasmid-Mediated Biodegradation of Chlorpyrifos and Analysis of Its Metabolic By-Products. <i>Current Microbiology</i> , 2020, 77, 3095-3103.	1.0	16
10	Induction of defence response in <i>Oryza sativa</i> L. against <i>Rhizoctonia solani</i> (Kuhn) by chitosan nanoparticles. <i>Microbial Pathogenesis</i> , 2020, 149, 104525.	1.3	26
11	Antifungal Efficacy of Chitosan-Stabilized Biogenic Silver Nanoparticles against Pathogenic <i>Candida</i> spp. Isolated from Human. <i>BioNanoScience</i> , 2020, 10, 974-982.	1.5	9
12	<i>Pseudomonas taiwanensis</i> (MTCC11631) mediated induction of systemic resistance in <i>Anthurium andreanum</i> L against blight disease and visualisation of defence related secondary metabolites using confocal laser scanning microscopy. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 24, 101561.	1.5	7
13	Exploring the efficacy of antagonistic rhizobacteria as native biocontrol agents against tomato plant diseases. <i>3 Biotech</i> , 2020, 10, 320.	1.1	31
14	A potential antifungal and growth-promoting bacterium <i>Bacillus</i> sp. KTMA4 from tomato rhizosphere. <i>Microbial Pathogenesis</i> , 2020, 142, 104049.	1.3	35
15	Enhancement of Growth and Yield of Rice ( <i>Oryza Sativa</i> ) by Plant Probiotic Endophyte, <i>Lysinibacillus sphaericus</i> under Greenhouse Conditions. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 1268-1282.	0.6	12
16	Chemotaxonomic profiling of <i>Penicillium setosum</i> using high-resolution mass spectrometry (LC-Q-ToF-MS). <i>Heliyon</i> , 2019, 5, e02484.	1.4	15
17	Plant Growth Promoting Traits of Indigenous Phosphate Solubilizing <i>Pseudomonas aeruginosa</i> Isolates from Chilli ( <i>Capsicum</i> annum L.) Rhizosphere. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 444-457.	0.6	45
18	Quinoline derivatives producing <i>Pseudomonas aeruginosa</i> H6 as an efficient bioherbicide for weed management. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101096.	1.5	20

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19	In vitro and in silico docking studies of antibacterial compounds derived from endophytic <i>Penicillium setosum</i> . <i>Microbial Pathogenesis</i> , 2019, 131, 87-97.	1.3	34
20	Optimization of chitosan nanoparticle synthesis and its potential application as germination elicitor of <i>Oryza sativa</i> L.. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 1053-1059.	3.6	40
21	<i>Penicillium setosum</i> , a new species from <i>Withania somnifera</i> (L.) Dunal. <i>Mycology</i> , 2019, 10, 49-60.	2.0	7
22	Antifungal, antioxidant and cytotoxic activities of chitosan nanoparticles and its use as an edible coating on vegetables. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 572-577.	3.6	120
23	Chitosan nanoparticles preparation and applications. <i>Environmental Chemistry Letters</i> , 2018, 16, 101-112.	8.3	395
24	Characterization and in planta nitrogen fixation of plant growth promoting endophytic diazotrophic <i>Lysinibacillus sphaericus</i> isolated from rice ( <i>Oryza sativa</i> ). <i>Physiological and Molecular Plant Pathology</i> , 2018, 102, 46-54.	1.3	69
25	Antimicrobial properties of chitosan nanoparticles: Mode of action and factors affecting activity. <i>Fibers and Polymers</i> , 2017, 18, 221-230.	1.1	241
26	Production and Optimization of Extra Cellular L-asparaginase by <i>Fusarium solani</i> Isolated from <i>Withania somnifera</i> . <i>Journal of Biologically Active Products From Nature</i> , 2017, 7, 81-88.	0.1	6
27	Bioprospecting endophytic diazotrophic <i>Lysinibacillus sphaericus</i> as biocontrol agents of rice sheath blight disease. <i>3 Biotech</i> , 2017, 7, 337.	1.1	24
28	A novel three-stage bioreactor for the effective detoxification of sodium dodecyl sulphate from wastewater. <i>Water Science and Technology</i> , 2017, 76, 2167-2176.	1.2	5
29	Biocontrol potential of Halotolerant bacterial chitinase from high yielding novel <i>Bacillus Pumilus</i> MCB-7 autochthonous to mangrove ecosystem. <i>Pesticide Biochemistry and Physiology</i> , 2017, 137, 36-41.	1.6	39
30	Characterization of Bioactive Metabolites of Endophytic <i>Fusarium solani</i> Isolated from <i>Withania somnifera</i> . <i>Journal of Biologically Active Products From Nature</i> , 2017, 7, 411-426.	0.1	2
31	Biogenic Synthesis of Silver Nanoparticles Using Endophytic Fungi <i>Fusarium oxysporum</i> Isolated from <i>Withania somnifera</i> (L.), Its Antibacterial and Cytotoxic Activity. <i>Journal of Bionanoscience</i> , 2016, 10, 369-376.	0.4	27
32	Optimized Production of Tannase from Cashew Testa using <i>Aspergillus niger</i> MTCC 5898. <i>Food Biotechnology</i> , 2016, 30, 249-262.	0.6	8
33	Biomodulatory Role of <i>Enterobacter</i> Sp: A Novel Bacterial Endophyte of <i>Sida cordifolia</i> and its Comparative Analysis with Plant Extract. <i>Journal of Biologically Active Products From Nature</i> , 2016, 6, 373-382.	0.1	1
34	Bioconversion of sodium dodecyl sulphate to rhamnolipids by transformed <i>Escherichia coli</i> DH5 $\alpha$ cells-a novel strategy for rhamnolipid synthesis. <i>Journal of Applied Microbiology</i> , 2016, 120, 638-646.	1.4	5
35	Optimization of Chlorpyrifos Degradation by Assembled Bacterial Consortium Using Response Surface Methodology. <i>Soil and Sediment Contamination</i> , 2016, 25, 668-682.	1.1	26
36	Optimised production of chitinase from a novel mangrove isolate, <i>Bacillus pumilus</i> MCB-7 using response surface methodology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 5, 143-149.	1.5	19

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37	Thermal properties of tannin extracted from <i>Anacardium occidentale</i> L. using TGA and FT-IR spectroscopy. <i>Natural Product Research</i> , 2016, 30, 223-227.	1.0	30
38	Biosynthesis of tannase from cashew testa using <i>Aspergillus niger</i> MTCC5889 by solid state fermentation. <i>Journal of Food Science and Technology</i> , 2015, 52, 7433-7440.	1.4	10
39	<i>Pseudomonas plecoglossicida</i> S5, a novel nonpathogenic isolate for sodium dodecyl sulfate degradation. <i>Environmental Chemistry Letters</i> , 2015, 13, 117-123.	8.3	14
40	Chlorpyrifos: pollution and remediation. <i>Environmental Chemistry Letters</i> , 2015, 13, 269-291.	8.3	216
41	Biosurfactant Facilitated Biodegradation of Quinalphos at High Concentrations by <i>Pseudomonas aeruginosa</i> Q10. <i>Soil and Sediment Contamination</i> , 2015, 24, 542-553.	1.1	29
42	Growth enhancement of rice ( <i>Oryza sativa</i> ) by phosphate solubilizing <i>Gluconacetobacter</i> sp. (MTCC Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.1	39
43	Screening and identification of potential <i>Trichoderma</i> sp. against soil borne pathogens of vanilla ( <i>Vanilla planifolia</i> ). <i>Indian Journal of Agricultural Research</i> , 2014, 48, 459.	0.0	3
44	Surfactants: toxicity, remediation and green surfactants. <i>Environmental Chemistry Letters</i> , 2014, 12, 275-287.	8.3	275
45	Metabolic profile of sodium dodecyl sulphate (SDS) biodegradation by <i>Pseudomonas aeruginosa</i> (MTCC 10311). <i>Journal of Environmental Biology</i> , 2014, 35, 827-31.	0.2	13
46	Bioconversion of Sodium Dodecyl Sulphate to Rhamnolipid by <i>Pseudomonas aeruginosa</i> : A Novel and Cost-Effective Production Strategy. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 418-430.	1.4	17
47	Surfactants: Chemistry, Toxicity and Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2013, , 277-320.	0.3	33
48	Combined Inoculation of <i>Pseudomonas fluorescens</i> and <i>Trichoderma harzianum</i> for Enhancing Plant Growth of Vanilla ( <i>Vanilla planifolia</i> ). <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 580-584.	0.2	16
49	Biodegradation of the Anionic Surfactant Linear Alkylbenzene Sulfonate (LAS) by Autochthonous <i>Pseudomonas</i> sp.. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5039-5048.	1.1	41
50	Assessment of Soil Microbial Toxicity on Acute Exposure of the Anionic Surfactant Linear Alkylbenzene Sulphonate. <i>Journal of Environmental Science and Technology</i> , 2012, 5, 354-363.	0.3	7
51	Biodegradation of anionic surfactant, sodium dodecyl sulphate by <i>Pseudomonas aeruginosa</i> MTCC 10311. <i>Journal of Environmental Biology</i> , 2012, 33, 717-20.	0.2	11
52	Plasmid-Mediated Biodegradation of the Anionic Surfactant Sodium Dodecyl Sulphate, by <i>Pseudomonas aeruginosa</i> S7. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 110-113.	1.3	24
53	Phosphate Solubilizing <i>Gluconacetobacter</i> sp., <i>Burkholderia</i> sp. and their Potential Interaction with Cowpea ( <i>Vigna unguiculata</i> (L.) Walp.). <i>International Journal of Agricultural Research</i> , 2009, 4, 79-87.	0.0	50
54	Nutrient uptake and yield of sorghum ( <i>Sorghum bicolor</i> L. Moench) inoculated with phosphate solubilizing bacteria and cellulolytic fungus in a cotton stalk amended vertisol. <i>Microbiological Research</i> , 1996, 151, 213-217.	2.5	33

#	ARTICLE	IF	CITATIONS
55	Biodegradation of chlorpyrifos by an optimized <i>Bacillus</i> consortium isolated from pesticide-contaminated soils of Kerala, India. International Journal of Pest Management, 0, , 1-9.	0.9	10
56	Remediation of chlorpyrifos in soil using immobilized bacterial consortium biostimulated with organic amendment. Biocatalysis and Biotransformation, 0, , 1-9.	1.1	0