

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	Chitosan nanoparticles preparation and applications. Environmental Chemistry Letters, 2018, 16, 101-112.	8.3	395
2	Surfactants: toxicity, remediation and green surfactants. Environmental Chemistry Letters, 2014, 12, 275-287.	8.3	275
3	Antimicrobial properties of chitosan nanoparticles: Mode of action and factors affecting activity. Fibers and Polymers, 2017, 18, 221-230.	1.1	241
4	Chlorpyrifos: pollution and remediation. Environmental Chemistry Letters, 2015, 13, 269-291.	8.3	216
5	Antifungal, antioxidant and cytotoxic activities of chitosan nanoparticles and its use as an edible coating on vegetables. International Journal of Biological Macromolecules, 2018, 114, 572-577.	3.6	120
6	Characterization and in planta nitrogen fixation of plant growth promoting endophytic diazotrophic <i>Lysinibacillus sphaericus</i> isolated from rice (<i>Oryza sativa</i>). Physiological and Molecular Plant Pathology, 2018, 102, 46-54.	1.3	69
7	Phosphate Solubilizing <i>Gluconacetobacter</i> sp., <i>Burkholderia</i> sp. and their Potential Interaction with Cowpea (<i>Vigna unguiculata</i> (L.) Walp.). International Journal of Agricultural Research, 2009, 4, 79-87.	0.0	50
8	Plant Growth Promoting Traits of Indigenous Phosphate Solubilizing <i>Pseudomonas aeruginosa</i> Isolates from Chilli (<i>Capsicum annuum</i> L.) Rhizosphere. Communications in Soil Science and Plant Analysis, 2019, 50, 444-457.	0.6	45
9	Biodegradation of the Anionic Surfactant Linear Alkylbenzene Sulfonate (LAS) by Autochthonous <i>Pseudomonas</i> sp.. Water, Air, and Soil Pollution, 2012, 223, 5039-5048.	1.1	41
10	Optimization of chitosan nanoparticle synthesis and its potential application as germination elicitor of <i>Oryza sativa</i> L.. International Journal of Biological Macromolecules, 2019, 124, 1053-1059.	3.6	40
11	Growth enhancement of rice (<i>Oryza sativa</i>) by phosphate solubilizing <i>Gluconacetobacter</i> sp. (MTCC Tj ETQq1 1 0.784314 rgBT /Overdo	1.1	39
12	Biocontrol potential of Halotolerant bacterial chitinase from high yielding novel <i>Bacillus Pumilus</i> MCB-7 autochthonous to mangrove ecosystem. Pesticide Biochemistry and Physiology, 2017, 137, 36-41.	1.6	39
13	A potential antifungal and growth-promoting bacterium <i>Bacillus</i> sp. KTMA4 from tomato rhizosphere. Microbial Pathogenesis, 2020, 142, 104049.	1.3	35
14	In vitro and in silico docking studies of antibacterial compounds derived from endophytic <i>Penicillium setosum</i> . Microbial Pathogenesis, 2019, 131, 87-97.	1.3	34
15	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. Microbiological Research, 1996, 151, 213-217.	2.5	33
16	Surfactants: Chemistry, Toxicity and Remediation. Environmental Chemistry for A Sustainable World, 2013, , 277-320.	0.3	33
17	Exploring the efficacy of antagonistic rhizobacteria as native biocontrol agents against tomato plant diseases. 3 Biotech, 2020, 10, 320.	1.1	31
18	Thermal properties of tannin extracted from <i>Anacardium occidentale</i> L. using TGA and FT-IR spectroscopy. Natural Product Research, 2016, 30, 223-227.	1.0	30

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Plasmid-Mediated Biodegradation of Chlorpyrifos and Analysis of Its Metabolic By-Products. <i>Current Microbiology</i> , 2020, 77, 3095-3103.	1.0	16
29	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
30	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
31	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
32	<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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Biodegradation of chlorpyrifos by an optimized <i>Bacillus</i> consortium isolated from pesticide-contaminated soils of Kerala, India. <i>International Journal of Pest Management</i> , 0, , 1-9.	0.9	10
40	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
41	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
42	<i>Penicillium setosum</i> , a new species from <i>Withania somnifera</i> (L.) Dunal. <i>Mycology</i> , 2019, 10, 49-60.	2.0	7
43	<i>Pseudomonas taiwanensis</i> (MTCC11631) mediated induction of systemic resistance in <i>Anthurium andreaeanum</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
44	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
45	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
46	Chitosan nanoparticles as a rice growth promoter: evaluation of biological activity. <i>Archives of Microbiology</i> , 2022, 204, 95.	1.0	7
47	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
48	Characterization of the major antifungal extrolite from rice endophyte <i>Lysinibacillus sphaericus</i> against <i>Rhizoctonia solani</i> . <i>Archives of Microbiology</i> , 2021, 203, 2605-2613.	1.0	6
49	Bioconversion of sodium dodecyl sulphate to rhamnolipids by transformed <i>Escherichia coli</i> DH5 α cells-a novel strategy for rhamnolipid synthesis. <i>Journal of Applied Microbiology</i> , 2016, 120, 638-646.	1.4	5
50	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
51	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
52	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
53	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
54	<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

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55	Biomodulatory Role of Enterobacter Sp: A Novel Bacterial Endophyte of Sida cordifolia and its Comparative Analysis with Plant Extract. Journal of Biologically Active Products From Nature, 2016, 6, 373-382.	0.1	1
56	Remediation of chlorpyrifos in soil using immobilized bacterial consortium biostimulated with organic amendment. Biocatalysis and Biotransformation, 0, , 1-9.	1.1	0