

# Smita Zinjarde

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,534  
citations

257450

24  
h-index

214800

47  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Banana peel extract mediated novel route for the synthesis of silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 368, 58-63.	4.7	431
2	Biosynthesis of gold nanoparticles by the tropical marine yeast <i>Yarrowia lipolytica</i> NCIM 3589. <i>Materials Letters</i> , 2009, 63, 1231-1234.	2.6	273
3	Banana peel extract mediated synthesis of gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 45-50.	5.0	263
4	Banana peel extract mediated novel route for the synthesis of palladium nanoparticles. <i>Materials Letters</i> , 2010, 64, 1951-1953.	2.6	158
5	Removal of hexavalent chromium ions by <i>Yarrowia lipolytica</i> cells modified with phyto-inspired Fe <sub>0</sub> /Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Contaminant Hydrology</i> , 2013, 146, 63-73.	3.3	135
6	Psychrotrophic yeast <i>Yarrowia lipolytica</i> NCYC 789 mediates the synthesis of antimicrobial silver nanoparticles via cell-associated melanin. <i>AMB Express</i> , 2013, 3, 32.	3.0	131
7	<i>Yarrowia lipolytica</i> and pollutants: Interactions and applications. <i>Biotechnology Advances</i> , 2014, 32, 920-933.	11.7	97
8	Metals in mangrove ecosystems and associated biota: A global perspective. <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 215-228.	6.0	95
9	<i>Nocardiosis</i> species: Incidence, ecological roles and adaptations. <i>Microbiological Research</i> , 2015, 174, 33-47.	5.3	92
10	Silica nanoparticle based techniques for extraction, detection, and degradation of pesticides. <i>Advances in Colloid and Interface Science</i> , 2016, 237, 1-14.	14.7	82
11	Gedunin and Azadiradione: Human Pancreatic Alpha-Amylase Inhibiting Limonoids from Neem ( <i>Azadirachta indica</i> ) as Anti-Diabetic Agents. <i>PLoS ONE</i> , 2015, 10, e0140113.	2.5	58
12	Mutants of <i>Yarrowia lipolytica</i> NCIM 3589 grown on waste cooking oil as a biofactory for biodiesel production. <i>Microbial Cell Factories</i> , 2017, 16, 176.	4.0	48
13	Responses exhibited by various microbial groups relevant to uranium exposure. <i>Biotechnology Advances</i> , 2018, 36, 1828-1846.	11.7	47
14	Biosurfactant from a marine bacterium disrupts biofilms of pathogenic bacteria in a tropical aquaculture system. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	43
15	An insight into the ecology, diversity and adaptations of <i>Gordonia</i> species. <i>Critical Reviews in Microbiology</i> , 2018, 44, 393-413.	6.1	43
16	Melanin mediated synthesis of gold nanoparticles by <i>Yarrowia lipolytica</i> . <i>Materials Letters</i> , 2013, 95, 149-152.	2.6	41
17	Biodiesel Production by Direct In Situ Transesterification of an Oleaginous Tropical Mangrove Fungus Grown on Untreated Agro-Residues and Evaluation of Its Fuel Properties. <i>Bioenergy Research</i> , 2015, 8, 1788-1799.	3.9	38
18	Heavy metal tolerance in marine strains of <i>Yarrowia lipolytica</i> . <i>Extremophiles</i> , 2018, 22, 617-628.	2.3	32

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19	Impact of uranium exposure on marine yeast, <i>Yarrowia lipolytica</i> : Insights into the yeast strategies to withstand uranium stress. <i>Journal of Hazardous Materials</i> , 2020, 381, 121226.	12.4	32
20	Phyto-inspired Silica Nanowires: Characterization and Application in Lipase Immobilization. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 871-877.	8.0	31
21	Evaluation of silica nanoparticle mediated delivery of protease inhibitor in tomato plants and its effect on insect pest <i>Helicoverpa armigera</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111079.	5.0	30
22	Bioleaching of Fly Ash by the Tropical Marine Yeast, <i>Yarrowia lipolytica</i> NCIM 3589. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2205-2217.	2.9	28
23	Carotenoid stabilized gold and silver nanoparticles derived from the Actinomycete <i>Gordonia amicalis</i> HS-11 as effective free radical scavengers. <i>Enzyme and Microbial Technology</i> , 2016, 95, 164-173.	3.2	28
24	Conversion of dried <i>Aspergillus candidus</i> mycelia grown on waste whey to biodiesel by in situ acid transesterification. <i>Bioresource Technology</i> , 2015, 197, 502-507.	9.6	26
25	Selenium nanoparticle-enriched biomass of <i>Yarrowia lipolytica</i> enhances growth and survival of <i>Artemia salina</i> . <i>Enzyme and Microbial Technology</i> , 2017, 106, 48-54.	3.2	26
26	Harnessing the catabolic versatility of <i>Gordonia</i> species for detoxifying pollutants. <i>Biotechnology Advances</i> , 2019, 37, 382-402.	11.7	24
27	Antibiofilm potential of a tropical marine <i>Bacillus licheniformis</i> isolate: role in disruption of aquaculture associated biofilms. <i>Aquaculture Research</i> , 2016, 47, 2661-2669.	1.8	21
28	Fungal Production of Single Cell Oil Using Untreated Copra Cake and Evaluation of Its Fuel Properties for Biodiesel. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 459-463.	2.1	17
29	Morphological response of <i>Yarrowia lipolytica</i> under stress of heavy metals. <i>Canadian Journal of Microbiology</i> , 2018, 64, 559-566.	1.7	16
30	Gold nanoparticles biosynthesized by <i>Nocardiopsis dassonvillei</i> NCIM 5124 enhance osteogenesis in gingival mesenchymal stem cells. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4081-4092.	3.6	14
31	Removal of uranium by immobilized biomass of a tropical marine yeast <i>Yarrowia lipolytica</i> . <i>Journal of Environmental Radioactivity</i> , 2020, 223-224, 106419.	1.7	13
32	Coculture induced improved production of biosurfactant by <i>Staphylococcus lentus</i> SZ2: Role in protecting <i>Artemia salina</i> against <i>Vibrio harveyi</i> . <i>Enzyme and Microbial Technology</i> , 2018, 114, 33-39.	3.2	12
33	Efficacy of cell free supernatant from <i>Bacillus licheniformis</i> in protecting <i>Artemia salina</i> against <i>Vibrio alginolyticus</i> and <i>Pseudomonas gessardii</i> . <i>Microbial Pathogenesis</i> , 2018, 116, 335-344.	2.9	12
34	Ylehd, an epoxide hydrolase with promiscuous haloalkane dehalogenase activity from tropical marine yeast <i>Yarrowia lipolytica</i> is induced upon xenobiotic stress. <i>Scientific Reports</i> , 2017, 7, 11887.	3.3	11
35	Relationship between salt tolerance and nanoparticle synthesis by <i>Williopsis saturnus</i> NCIM 3298. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 163.	3.6	9
36	Evaluating Ylehd, a recombinant epoxide hydrolase from <i>Yarrowia lipolytica</i> as a potential biocatalyst for the resolution of benzyl glycidyl ether. <i>RSC Advances</i> , 2018, 8, 12918-12926.	3.6	9

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37	A novel <i>Sphingobacterium</i> sp. RB, a rhizosphere isolate degrading <i>p</i> -nitrophenol with substrate specificity towards nitrotoluenes and nitroanilines. FEMS Microbiology Letters, 2019, 366, .	1.8	9
38	Biogenic Nanoparticles from <i>Schwanniomyces occidentalis</i> NCIM 3459: Mechanistic Aspects and Catalytic Applications. Applied Biochemistry and Biotechnology, 2016, 179, 583-596.	2.9	8
39	Transcriptome Response of the Tropical Marine Yeast <i>Yarrowia lipolytica</i> on Exposure to Uranium. Current Microbiology, 2021, 78, 2033-2043.	2.2	8
40	A comprehensive assessment of <i>Yarrowia lipolytica</i> and its interactions with metals: Current updates and future prospective. Biotechnology Advances, 2022, 59, 107967.	11.7	8
41	Layer-by-Layer Assembled Nanostructured Lipid Carriers for CD-44 Receptor-Based Targeting in HIV-Infected Macrophages for Efficient HIV-1 Inhibition. AAPS PharmSciTech, 2021, 22, 171.	3.3	7
42	Uptake and detoxification of diesel oil by a tropical soil Actinomycete <i>Gordonia amicalis</i> HS-11: Cellular responses and degradation perspectives. Environmental Pollution, 2020, 263, 114538.	7.5	6
43	Antimicrobial Activity of 6.5 MeV Electron-Irradiated ZnO Nanoparticles Synthesized by Microwave-Assisted Method. International Journal of Green Nanotechnology, 2012, 4, 477-483.	0.3	5
44	Marine Organisms in Nanoparticle Synthesis. , 2015, , 1229-1245.		5
45	Assessment of recombinant glutathione-S-transferase (HaGST-8) silica nano-conjugates for effective removal of pesticides. Environmental Research, 2022, 204, 112052.	7.5	5
46	A simple microemulsion based method for the synthesis of gold nanoparticles. Materials Letters, 2009, 63, 2672-2675.	2.6	4
47	Size Control of Cu Nanoparticles in Ion-Exchanged Soda-Lime Glass by 6 MeV Electron Irradiation and Its Application in Biofilm Inhibition. International Journal of Green Nanotechnology, 2012, 4, 455-463.	0.3	2
48	An Interactive, Accessible, and Affordable Science- and Art-Based Activity To Foster Team Building among New Students. Journal of Microbiology and Biology Education, 2020, 21, .	1.0	1