

Sandhya Mishra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3550646/publications.pdf>

Version: 2024-02-01

152
papers

8,840
citations

36303

51
h-index

49909

87
g-index

155
all docs

155
docs citations

155
times ranked

8999
citing authors

#	ARTICLE	IF	CITATIONS
1	Body size determines multitrophic soil microbiota community assembly associated with soil and plant attributes in a tropical seasonal rainforest. <i>Molecular Ecology</i> , 2023, 32, 6294-6303.	3.9	6
2	Natural sea salt based polyhydroxyalkanoate production by wild <i>Halomonas hydrothermalis</i> strain. <i>Fuel</i> , 2022, 311, 122593.	6.4	12
3	Atomic sheets of silver ferrite with universal microwave catalytic behavior. <i>Science of the Total Environment</i> , 2022, 818, 151735.	8.0	9
4	Performance analysis of <i>Pseudomonas</i> sp. strain SA3 in naphthalene degradation using phytotoxicity and microcosm studies. <i>Biodegradation</i> , 2022, 33, 169-180.	3.0	4
5	Biotransformation of perfluoroalkyl acid precursors from various environmental systems: advances and perspectives. <i>Environmental Pollution</i> , 2021, 272, 115908.	7.5	107
6	Influence of microalgal lipids from <i>Chlorella variabilis</i> (ATCC PTA 12198) in reducing the virulence factors of multidrug-resistant <i>Vibrio cholerae</i> variant strains. <i>LWT - Food Science and Technology</i> , 2021, 135, 110047.	5.2	3
7	New insights into the degradation of synthetic pollutants in contaminated environments. <i>Chemosphere</i> , 2021, 268, 128827.	8.2	146
8	Reduction of hexavalent chromium by <i>Microbacterium paraoxydans</i> isolated from tannery wastewater and characterization of its reduced products. <i>Journal of Water Process Engineering</i> , 2021, 39, 101748.	5.6	26
9	Interaction mechanism of plant-based nanoarchitected materials with digestive enzymes of termites as target for pest control: Evidence from molecular docking simulation and in vitro studies. <i>Journal of Hazardous Materials</i> , 2021, 403, 123840.	12.4	12
10	Seaweed-based biostimulant improves photosynthesis and effectively enhances growth and biofuel potential of a green microalga <i>Chlorella variabilis</i> . <i>Aquaculture International</i> , 2021, 29, 963-975.	2.2	6
11	Naphthalene degradation studies using <i>Pseudomonas</i> sp. strain SA3 from Alang-Sosiya ship breaking yard, Gujarat. <i>Heliyon</i> , 2021, 7, e06334.	3.2	14
12	Insights into the microbial degradation and catalytic mechanisms of chlorpyrifos. <i>Environmental Research</i> , 2021, 194, 110660.	7.5	95
13	Emerging Technologies for Degradation of Dichlorvos: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5789.	2.6	17
14	Optimization of fermentation conditions for higher cellulase production using marine <i>Bacillus licheniformis</i> KY962963: An epiphyte of <i>Chlorococcum</i> sp.. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102047.	3.1	5
15	A naturally fluorescent protein C-phycoerythrin and graphene oxide bio-composite as a selective fluorescence "turn off/on" probe for DNA quantification and characterization. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 644-653.	7.5	10
16	Deep eutectic solvents and ionic liquid assisted hydrolysis of microalgal biomass: A promising approach towards sustainable biofuel production. <i>Journal of Molecular Liquids</i> , 2021, 335, 116264.	4.9	23
17	Biosurfactant is a powerful tool for the bioremediation of heavy metals from contaminated soils. <i>Journal of Hazardous Materials</i> , 2021, 418, 126253.	12.4	117
18	Efficient Production of Polyhydroxyalkanoate Through Halophilic Bacteria Utilizing Algal Biodiesel Waste Residue. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 624859.	4.1	22

#	ARTICLE	IF	CITATIONS
19	Microwave synthesized strontium hexaferrite 2D sheets as versatile and efficient microwave catalysts for degradation of organic dyes and antibiotics. <i>Science of the Total Environment</i> , 2021, 790, 147853.	8.0	13
20	Differential Reprogramming of Defense Network in <i>Capsicum annum</i> L. Plants Against <i>Colletotrichum truncatum</i> Infection by Phyllospheric and Rhizospheric <i>Trichoderma</i> Strains. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 751-763.	5.1	16
21	Evidence for positive response of soil bacterial community structure and functions to biosynthesized silver nanoparticles: An approach to conquer nanotoxicity?. <i>Journal of Environmental Management</i> , 2020, 253, 109584.	7.8	27
22	Recent Trends in Strain Improvement for Production of Biofuels From Microalgae. , 2020, , 211-225.		17
23	Utilization of <i>Leptolyngbya boryana</i> mat for modulating nutrient uptake and its translocation in rice (<i>Oryza sativa</i>). <i>Bioresource Technology Reports</i> , 2020, 12, 100575.	2.7	2
24	Characterization of a Novel Quorum-Quenching Bacterial Strain, <i>Burkholderia anthina</i> HN-8, and Its Biocontrol Potential against Black Rot Disease Caused by <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Microorganisms</i> , 2020, 8, 1485.	3.6	11
25	Neoteric Solvent Systems as Sustainable Media for Dissolution and Film Preparation of Poly-[(R)-3-hydroxybutyrate]. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12005-12013.	6.7	14
26	In vitro optimization for enhanced cellulose degrading enzyme from <i>Bacillus licheniformis</i> KY962963 associated with a microalgae <i>Chlorococcum</i> sp. using OVAT and statistical modeling. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	7
27	Can Dominant Canopy Species Leaf Litter Determine Soil Nutrient Heterogeneity? A Case Study in a Tropical Rainforest in Southwest China. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2479-2489.	3.4	7
28	Quorum Quenching in a Novel <i>Acinetobacter</i> sp. XN-10 Bacterial Strain against <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . <i>Microorganisms</i> , 2020, 8, 1100.	3.6	18
29	Studies on Extraction and Stability of C-Phycocerythrin From a Marine Cyanobacterium. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	17
30	Microwave Catalytic Degradation of Antibiotic Molecules by 2D Sheets of Spinel Nickel Ferrite. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15839-15847.	3.7	22
31	Insights into the Toxicity and Degradation Mechanisms of Imidacloprid Via Physicochemical and Microbial Approaches. <i>Toxics</i> , 2020, 8, 65.	3.7	60
32	Whole-Genome Sequencing Analysis of Quorum Quenching Bacterial Strain <i>Acinetobacter lactucae</i> QL-1 Identifies the FadY Enzyme for Degradation of the Diffusible Signal Factor. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6729.	4.1	13
33	Physiological responses of the green microalga <i>Acutodesmus dimorphus</i> to temperature induced oxidative stress conditions. <i>Physiologia Plantarum</i> , 2020, 170, 462-473.	5.2	14
34	Degradation of Acephate and Its Intermediate Methamidophos: Mechanisms and Biochemical Pathways. <i>Frontiers in Microbiology</i> , 2020, 11, 2045.	3.5	46
35	A natural cyanobacterial protein C-phycoerythrin as an HS ²⁺ selective optical probe in aqueous systems. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118469.	3.9	9
36	Carbofuran toxicity and its microbial degradation in contaminated environments. <i>Chemosphere</i> , 2020, 259, 127419.	8.2	139

#	ARTICLE	IF	CITATIONS
37	Antibacterial and biofilm inhibition activity of biofabricated silver nanoparticles against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> causing blight disease of rice instigates disease suppression. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 55.	3.6	21
38	A natural cyanobacterial protein C-phycoerythrin as an Hg ²⁺ selective fluorescent probe in aqueous systems. <i>New Journal of Chemistry</i> , 2020, 44, 6601-6609.	2.8	11
39	Bacteria as an alternate biofactory for carotenoid production: A review of its applications, opportunities and challenges. <i>Journal of Functional Foods</i> , 2020, 67, 103867.	3.4	117
40	A "one-tube" synthesis of a selective fluorescence "turn off/on" DNA probe based on a C-phycoyanin-graphene oxide (CPC-GO) bio composite. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 977-984.	7.5	6
41	Current Approaches to and Future Perspectives on Methomyl Degradation in Contaminated Soil/Water Environments. <i>Molecules</i> , 2020, 25, 738.	3.8	46
42	Photon-independent NaOH/H ₂ O ₂ -based degradation of rhodamine-B dye in aqueous medium: Kinetics, and impacts of various inorganic salts, antioxidants, and urea. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103851.	6.7	11
43	Insights Into the Microbial Degradation and Biochemical Mechanisms of Neonicotinoids. <i>Frontiers in Microbiology</i> , 2020, 11, 868.	3.5	117
44	Ameliorating process parameters for zeaxanthin yield in <i>Arthro bacter gandavensis</i> MTCC 25325. <i>AMB Express</i> , 2020, 10, 69.	3.0	8
45	Conventional Methods for the Removal of Industrial Pollutants, Their Merits and Demerits. , 2019, , 1-31.		16
46	Co-cultivation of siderophore-producing bacteria <i>Idiomarina loihiensis</i> RS14 with <i>Chlorella variabilis</i> ATCC 12198, evaluation of micro-algal growth, lipid, and protein content under iron starvation. <i>Journal of Applied Phycology</i> , 2019, 31, 29-39.	2.8	36
47	Microalgae at niches of bioelectrochemical systems: A new platform for sustainable energy production coupled industrial effluent treatment. <i>Bioresource Technology Reports</i> , 2019, 7, 100290.	2.7	27
48	Creating a global database "Nanomaterials in the soil environment": future need for the terrestrial ecosystem. <i>Energy, Ecology and Environment</i> , 2019, 4, 271-285.	3.9	4
49	Multiproduct biorefinery from <i>Arthrospira</i> spp. towards zero waste: Current status and future trends. <i>Bioresource Technology</i> , 2019, 291, 121928.	9.6	40
50	An effective approach of bacterial siderophore as nitrogen source triggering the desired biochemical changes in microalgae <i>Chlorella variabilis</i> ATCC 12198. <i>Algal Research</i> , 2019, 43, 101610.	4.6	2
51	A Biorefinery from <i>Nannochloropsis</i> spp. Utilizing Wastewater Resources. , 2019, , 123-145.		8
52	Industrial Wastewater-Based Microalgal Biorefinery: A Dual Strategy to Remediate Waste and Produce Microalgal Bioproducts. , 2019, , 173-193.		10
53	Microwave-Assisted Catalytic Degradation of Brilliant Green by Spinel Zinc Ferrite Sheets. <i>ACS Omega</i> , 2019, 4, 10411-10418.	3.5	44
54	Growth medium and nitrogen stress sparked biochemical and carotenogenic alterations in <i>Scenedesmus</i> sp. CCNM 1028. <i>Bioresource Technology Reports</i> , 2019, 7, 100194.	2.7	16

#	ARTICLE	IF	CITATIONS
55	A comparative analysis of different extraction solvent systems on the extractability of eicosapentaenoic acid from the marine eustigmatophyte <i>Nannochloropsis oceanica</i> . <i>Algal Research</i> , 2019, 38, 101387.	4.6	25
56	Microalgal lipid extraction strategies for biodiesel production: A review. <i>Algal Research</i> , 2019, 38, 101413.	4.6	115
57	Heavy Metal Contamination: An Alarming Threat to Environment and Human Health. , 2019, , 103-125.		208
58	<i>Trichoderma harzianum</i> -based novel formulations: potential applications for management of Next-Gen agricultural challenges. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2056-2063.	3.2	61
59	C-Phycocerythrin as a Colorimetric and Fluorometric Probe for the Sensitive, Selective and Quantitative Detection of Cu ²⁺ in Aqueous Samples. <i>Journal of Fluorescence</i> , 2018, 28, 671-680.	2.5	10
60	Modulation in phenolic root exudate profile of <i>Abelmoschus esculentus</i> expressing activation of defense pathway. <i>Microbiological Research</i> , 2018, 207, 100-107.	5.3	46
61	Hexavalent chromium reduction potential of <i>Cellulosimicrobium</i> sp. isolated from common effluent treatment plant of tannery industries. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 102-109.	6.0	262
62	1-Ethyl-3-methylimidazolium Diethylphosphate Based Extraction of Bioplastic "Polyhydroxyalkanoates" from Bacteria: Green and Sustainable Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 766-773.	6.7	50
63	Stability of Phycobiliproteins Using Natural Preservative $\hat{\mu}$ - Polylysine ($\hat{\mu}$ -PL). <i>Fermentation Technology</i> , 2018, 07, .	0.1	5
64	Identification of a New Siderophore Acinetobacter Soli Produced by a Salt-Tolerant Bacterium <i>Acinetobacter Soli</i> . <i>ChemistrySelect</i> , 2018, 3, 8207-8211.	1.5	4
65	Effect of glucose on growth and fatty acid composition of an euryhaline eustigmatophyte <i>Nannochloropsis oceanica</i> under mixotrophic culture condition. <i>Bioresource Technology Reports</i> , 2018, 3, 147-153.	2.7	10
66	Potential of biosynthesized silver nanoparticles using <i>Stenotrophomonas</i> sp. BHU-S7 (MTCC 5978) for management of soil-borne and foliar phytopathogens. <i>Scientific Reports</i> , 2017, 7, 45154.	3.3	95
67	Abiotic stresses as tools for metabolites in microalgae. <i>Bioresource Technology</i> , 2017, 244, 1216-1226.	9.6	235
68	Salinity induced oxidative stress alters the physiological responses and improves the biofuel potential of green microalgae <i>Acutodesmus dimorphus</i> . <i>Bioresource Technology</i> , 2017, 244, 1376-1383.	9.6	122
69	Nitrogen starvation-induced cellular crosstalk of ROS-scavenging antioxidants and phytohormone enhanced the biofuel potential of green microalga <i>Acutodesmus dimorphus</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 60.	6.2	157
70	Oxidative Stress-Induced Bioprospecting of Microalgae. , 2017, , 251-276.		2
71	Process for Preparing Value-Added Products from Microalgae Using Textile Effluent through a Biorefinery Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10019-10028.	6.7	34
72	Improvement of $\hat{\mu}$ -polylysine production by marine bacterium <i>Bacillus licheniformis</i> using artificial neural network modeling and particle swarm optimization technique. <i>Biochemical Engineering Journal</i> , 2017, 126, 8-15.	3.6	32

#	ARTICLE	IF	CITATIONS
73	Integrated Approach of Agri-nanotechnology: Challenges and Future Trends. <i>Frontiers in Plant Science</i> , 2017, 8, 471.	3.6	164
74	How Does Photosynthesis Take Place in Our Oceans?. <i>Frontiers for Young Minds</i> , 2017, 5, .	0.8	2
75	Carbon Sequestration by Microalgae: A Green Approach for Climate Change Mitigation. , 2017, , 477-483.		4
76	Cyanobacterial Pigments as Natural Anti-Hyperglycemic Agents: An In vitro Study. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	27
77	Biodegradable Polymeric Substances Produced by a Marine Bacterium from a Surplus Stream of the Biodiesel Industry. <i>Bioengineering</i> , 2016, 3, 34.	3.5	30
78	Applications of de-oiled microalgal biomass towards development of sustainable biorefinery. <i>Bioresource Technology</i> , 2016, 214, 787-796.	9.6	77
79	Extraction of potassium from K-feldspar through potassium solubilization in the halophilic <i>Acinetobacter soli</i> (MTCC 5918) isolated from the experimental salt farm. <i>International Journal of Mineral Processing</i> , 2016, 152, 53-57.	2.6	36
80	Non-isothermal pyrolysis of de-oiled microalgal biomass: Kinetics and evolved gas analysis. <i>Bioresource Technology</i> , 2016, 221, 251-261.	9.6	45
81	Ammonium Bicarbonate as Nutrient Substitute for Improving Biomass Productivity of <i>Chlorella variabilis</i> . <i>Chemical Engineering and Technology</i> , 2016, 39, 1738-1742.	1.5	9
82	Microalgal biomass generation by phycoremediation of dairy industry wastewater: An integrated approach towards sustainable biofuel production. <i>Bioresource Technology</i> , 2016, 221, 455-460.	9.6	144
83	Cultivation of <i>Nannochloropsis oceanica</i> biomass rich in eicosapentaenoic acid utilizing wastewater as nutrient resource. <i>Bioresource Technology</i> , 2016, 218, 1178-1186.	9.6	23
84	Bioprospecting of Halotolerant Bacterial Isolates for Potassium Recovery from K-feldspar. <i>Chemical Engineering and Technology</i> , 2016, 39, 1645-1652.	1.5	8
85	Green synthesis, characterization and antioxidant potential of silver nanoparticles biosynthesized from de-oiled biomass of thermotolerant oleaginous microalgae <i>Acutodesmus dimorphus</i> . <i>RSC Advances</i> , 2016, 6, 72269-72274.	3.6	81
86	C-Phycocyanin as a potential biosensor for heavy metals like Hg ²⁺ in aquatic systems. <i>RSC Advances</i> , 2016, 6, 111599-111605.	3.6	30
87	Classroom. <i>Resonance</i> , 2016, 21, 937-947.	0.3	0
88	Solar driven mass cultivation and the extraction of lipids from <i>Chlorella variabilis</i> : A case study. <i>Algal Research</i> , 2016, 14, 137-142.	4.6	30
89	Effect of carbon supply mode on biomass and lipid in CSMCRI's <i>Chlorella variabilis</i> (ATCC 12198). <i>Biomass and Bioenergy</i> , 2016, 86, 1-10.	5.7	16
90	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer. <i>Bioresource Technology</i> , 2016, 207, 197-204.	9.6	36

#	ARTICLE	IF	CITATIONS
91	Microalgal carotenoids: Potential nutraceutical compounds with chemotaxonomic importance. <i>Algal Research</i> , 2016, 15, 24-31.	4.6	66
92	Growth medium standardization and thermotolerance study of the freshwater microalga <i>Acutodesmus dimorphus</i> a potential strain for biofuel production. <i>Journal of Applied Phycology</i> , 2016, 28, 2687-2696.	2.8	18
93	Comparative evaluation of chemical and enzymatic saccharification of mixotrophically grown de-oiled microalgal biomass for reducing sugar production. <i>Bioresource Technology</i> , 2016, 204, 9-16.	9.6	53
94	Fluorescence Quenching Property of C-Phycocyanin from <i>Spirulina platensis</i> and its Binding Efficacy with Viable Cell Components. <i>Journal of Fluorescence</i> , 2016, 26, 577-583.	2.5	12
95	Toxic and genotoxic effects of hexavalent chromium in environment and its bioremediation strategies. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2016, 34, 1-32.	2.9	320
96	Antioxidant, Anti-Nephrolithe Activities and in Vitro Digestibility Studies of Three Different Cyanobacterial Pigment Extracts. <i>Marine Drugs</i> , 2015, 13, 5384-5401.	4.6	31
97	Biosynthesized silver nanoparticles as a nanoweapon against phytopathogens: exploring their scope and potential in agriculture. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1097-1107.	3.6	170
98	Enhanced biofuel production potential with nutritional stress amelioration through optimization of carbon source and light intensity in <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 179, 565-572.	9.6	59
99	Silver nanoparticles mediated altered gene expression of melanin biosynthesis genes in <i>Bipolaris sorokiniana</i> . <i>Microbiological Research</i> , 2015, 172, 16-18.	5.3	21
100	Polyhydroxyalkanoate from marine <i>Bacillus megaterium</i> using CSMCRI's Dry Sea Mix as a novel growth medium. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 254-261.	7.5	45
101	A euryhaline <i>Nannochloropsis gaditana</i> with potential for nutraceutical (EPA) and biodiesel production. <i>Algal Research</i> , 2015, 8, 161-167.	4.6	60
102	Biofuel potential of the newly isolated microalgae <i>Acutodesmus dimorphus</i> under temperature induced oxidative stress conditions. <i>Bioresource Technology</i> , 2015, 180, 162-171.	9.6	132
103	Microalgal Rainbow Colours for Nutraceutical and Pharmaceutical Applications. , 2015, , 777-791.		10
104	Bicarbonate supplementation enhanced biofuel production potential as well as nutritional stress mitigation in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 193, 315-323.	9.6	96
105	Integrated process of two stage cultivation of <i>Nannochloropsis</i> sp. for nutraceutically valuable eicosapentaenoic acid along with biodiesel. <i>Bioresource Technology</i> , 2015, 193, 363-369.	9.6	58
106	Multifunctional solvent stable <i>Bacillus</i> lipase mediated biotransformations in the context of food and fuel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 117, 21-30.	1.8	18
107	Salinity induced oxidative stress enhanced biofuel production potential of microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 189, 341-348.	9.6	264
108	Naturally floating microalgal mat for in situ bioremediation and potential for biofuel production. <i>Algal Research</i> , 2015, 9, 275-282.	4.6	20

#	ARTICLE	IF	CITATIONS
109	Transient performance and emission characteristics of a heavy-duty diesel engine fuelled with microalga <i>Chlorella variabilis</i> and <i>Jatropha curcas</i> biodiesels. <i>Energy Conversion and Management</i> , 2015, 106, 892-900.	9.2	54
110	Selective carotenoid accumulation by varying nutrient media and salinity in <i>Synechocystis</i> sp. CCNM 2501. <i>Bioresource Technology</i> , 2015, 197, 363-368.	9.6	67
111	Draft Genome Sequence of <i>Halomonas hydrothermalis</i> MTCC 5445, Isolated from the West Coast of India. <i>Genome Announcements</i> , 2015, 3, .	0.8	8
112	Dominance of cyanobacterial and cryptophytic assemblage correlated to CDOM at heavy metal contamination sites of Gujarat, India. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 4118.	2.7	17
113	Microbial synthesis of polyhydroxyalkanoate using seaweed-derived crude levulinic acid as co-nutrient. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 487-494.	7.5	54
114	Lipid Extracted Microalgal Biomass Residue as a Fertilizer Substitute for <i>Zea mays</i> L.. <i>Frontiers in Plant Science</i> , 2015, 6, 1266.	3.6	49
115	Biofabricated Silver Nanoparticles Act as a Strong Fungicide against <i>Bipolaris sorokiniana</i> Causing Spot Blotch Disease in Wheat. <i>PLoS ONE</i> , 2014, 9, e97881.	2.5	254
116	Biosorption of Methylene Blue by De-Oiled Algal Biomass: Equilibrium, Kinetics and Artificial Neural Network Modelling. <i>PLoS ONE</i> , 2014, 9, e109545.	2.5	60
117	Nitrogen stress triggered biochemical and morphological changes in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2014, 156, 146-154.	9.6	363
118	Sensing of Phosphates by Using Luminescent Eu ^{III} and Tb ^{III} Complexes: Application to the Microalgal Cell <i>Chlorella vulgaris</i> . <i>Chemistry - A European Journal</i> , 2014, 20, 6047-6053.	3.3	43
119	Effects of different media composition, light intensity and photoperiod on morphology and physiology of freshwater microalgae <i>Ankistrodesmus falcatus</i> – A potential strain for bio-fuel production. <i>Bioresource Technology</i> , 2014, 171, 367-374.	9.6	208
120	Raceway pond cultivation of a marine microalga of Indian origin for biomass and lipid production: A case study. <i>Algal Research</i> , 2014, 6, 201-209.	4.6	72
121	Potential of <i>Monoraphidium minutum</i> for carbon sequestration and lipid production in response to varying growth mode. <i>Bioresource Technology</i> , 2014, 172, 32-40.	9.6	38
122	Fatty acids as biomarkers of microalgae. <i>Phytochemistry</i> , 2013, 89, 53-58.	2.9	117
123	Rejuvenation of discarded RO membrane for new applications. <i>Desalination and Water Treatment</i> , 2012, 48, 349-359.	1.0	37
124	Effect of light quality on the C-phycoerythrin production in marine cyanobacteria <i>Pseudanabaena</i> sp. isolated from Gujarat coast, India. <i>Protein Expression and Purification</i> , 2012, 81, 5-10.	1.3	70
125	DNA Binding, Antioxidant Activity, and DNA Damage Protection of Chiral Macrocyclic Mn(III) Salen Complexes. <i>Chirality</i> , 2012, 24, 1063-1073.	2.6	5
126	Anti-biofouling organic-inorganic hybrid membrane for water treatment. <i>Journal of Materials Chemistry</i> , 2012, 22, 1834-1844.	6.7	50

#	ARTICLE	IF	CITATIONS
127	Purification and characterization of haloalkaline thermoactive, solvent stable and SDS-induced protease from <i>Bacillus</i> sp.: A potential additive for laundry detergents. <i>Bioresource Technology</i> , 2012, 115, 228-236.	9.6	102
128	Zn(II)-Cyclam Based Chromogenic Sensors for Recognition of ATP in Aqueous Solution Under Physiological Conditions and Their Application as Viable Staining Agents for Microorganism. <i>Inorganic Chemistry</i> , 2011, 50, 4162-4170.	4.0	42
129	Preparation of highly purified C-phycoerythrin from marine cyanobacterium <i>Pseudanabaena</i> sp.. <i>Protein Expression and Purification</i> , 2011, 80, 234-238.	1.3	42
130	Zn(ii) and Cd(ii)-based complexes for probing the enzymatic hydrolysis of Na ₄ P ₂ O ₇ by alkaline phosphatase in physiological conditions. <i>Chemical Communications</i> , 2011, 47, 8118.	4.1	68
131	Chiral discrimination asserted by enantiomers of Ni (II), Cu (II) and Zn (II) Schiff base complexes in DNA binding, antioxidant and antibacterial activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 199-208.	3.9	38
132	Influence of chirality of V(V) Schiff base complexes on DNA, BSA binding and cleavage activity. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5074-5085.	5.5	58
133	Biodegradability studies of polyhydroxyalkanoate (PHA) film produced by a marine bacteria using <i>Jatropha</i> biodiesel byproduct as a substrate. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1531-1541.	3.6	23
134	Poly-extremotolerant bacterium isolated from reverse osmosis reject: an implication toward waste water management. <i>Folia Microbiologica</i> , 2010, 55, 614-620.	2.3	2
135	A chemosensor for heavy-transition metal ions in mixed aqueous-organic media. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 32-38.	7.8	23
136	Specific Recognition and Sensing of CN ⁻ in Sodium Cyanide Solution. <i>Organic Letters</i> , 2010, 12, 3406-3409.	4.6	202
137	Recognition of Hg ²⁺ Using Diametrically Disubstituted Cyclam Unit. <i>Inorganic Chemistry</i> , 2010, 49, 11485-11492.	4.0	54
138	Polyhydroxyalkanoate (PHA) synthesis by <i>Spirulina subsalsa</i> from Gujarat coast of India. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 255-260.	7.5	112
139	A thermoactive α -amylase from a <i>Bacillus</i> sp. isolated from CSMCRI salt farm. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 288-291.	7.5	24
140	Isolation of promising bacterial strains from soil and marine environment for polyhydroxyalkanoates (PHAs) production utilizing <i>Jatropha</i> biodiesel byproduct. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 283-287.	7.5	109
141	Effect of preservatives for food grade C-Phycoerythrin, isolated from marine cyanobacteria <i>Pseudanabaena</i> sp.. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 597-602.	7.5	60
142	Zn(II) based colorimetric sensor for ATP and its use as a viable staining agent in pure aqueous media of pH 7.2. <i>Chemical Communications</i> , 2010, 46, 9134.	4.1	54
143	Resonance Energy Transfer Approach and a New Ratiometric Probe for Hg ²⁺ in Aqueous Media and Living Organism. <i>Organic Letters</i> , 2009, 11, 2740-2743.	4.6	210
144	The detection of Hg ²⁺ by cyanobacteria in aqueous media. <i>Chemical Communications</i> , 2009, , 2496.	4.1	46

#	ARTICLE	IF	CITATIONS
145	Biosequestering Potential of <i>Spirulina platensis</i> for Uranium. <i>Current Microbiology</i> , 2008, 57, 508-514.	2.2	10
146	Effect of preservatives for food grade C-PC from <i>Spirulina platensis</i> . <i>Process Biochemistry</i> , 2008, 43, 339-345.	3.7	90
147	Colorimetric Sensor for Triphosphates and Their Application as a Viable Staining Agent for Prokaryotes and Eukaryotes. <i>Analytical Chemistry</i> , 2008, 80, 5312-5319.	6.5	48
148	A Rhodamine-Based Chemosensor that Works in the Biological System. <i>Organic Letters</i> , 2008, 10, 3013-3016.	4.6	130
149	Colorimetric Sensor for ATP in Aqueous Solution. <i>Organic Letters</i> , 2007, 9, 1979-1982.	4.6	140
150	Photodynamic action of C-phycocyanins obtained from marine and fresh water cyanobacterial cultures: A comparative study using EPR spin trapping technique. <i>Free Radical Research</i> , 2006, 40, 821-825.	3.3	10
151	X-ray crystallographic studies on C-phycocyanins from cyanobacteria from different habitats: marine and freshwater. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 844-847.	0.7	12
152	Purification and characterization of C-Phycocyanin from cyanobacterial species of marine and freshwater habitat. <i>Protein Expression and Purification</i> , 2005, 40, 248-255.	1.3	251