

Lata Nain

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

6,765
citations

50276

46
h-index

88630

70
g-index

214
all docs

214
docs citations

214
times ranked

5888
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesta (<i>Hibiscus</i> spp.) – a potential feedstock for bioethanol production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2024, 42, 2664-2677.	2.3	7
2	Bacteria and fungi mediated degradation of poly aromatic hydrocarbons and effect of surfactant Tween-80. <i>International Journal of Environmental Analytical Chemistry</i> , 2024, 104, 27-42.	3.3	7
3	Effect of surfactant on degradation of <i>Aspergillus</i> sp. and <i>Trichoderma</i> sp. mediated crude oil. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1667-1680.	3.3	8
4	Production of ethanol, lipid and lactic acid from mixed agrowastes hydrolysate. <i>Natural Product Research</i> , 2023, 37, 2575-2582.	1.8	3
5	Current trends in the development of soy-based foods containing probiotics and paving the path for soy-synbiotics. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 9995-10013.	10.3	12
6	Harnessing cyanobacterium-fungal interactions to develop potting mixes for disease-free tomato nursery. <i>Phytoparasitica</i> , 2023, 51, 703-716.	1.2	2
7	Valorization of jute (<i>Corchorus</i> sp.) biomass for bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5209-5220.	4.6	14
8	Green lactic acid production using low-cost renewable sources and potential applications. , 2022, , 345-365.		1
9	Free and Immobilized Microbial Culture–Mediated Crude Oil Degradation and Microbial Diversity Changes Through Taxonomic and Functional Markers in a Sandy Loam Soil. <i>Frontiers in Environmental Science</i> , 2022, 9, .	3.3	6
10	Cyanobacterial inoculation in elevated CO ₂ environment stimulates soil C enrichment and plant growth of tomato. <i>Environmental Technology and Innovation</i> , 2022, 26, 102234.	6.1	9
11	An Overview of Enzymes and Rate-Limiting Steps Responsible for Lipid Production in Oleaginous Yeast. <i>Industrial Biotechnology</i> , 2022, 18, 20-31.	0.8	2
12	Bio-polysaccharide composites mediated degradation of polyaromatic hydrocarbons in a sandy soil using free and immobilized consortium of <i>Kocuria rosea</i> and <i>Aspergillus sydowii</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 80005-80020.	5.3	6
13	Potent ¹³ -amino butyric acid producing psychobiotic <i>Lactococcus lactis</i> LP-68 from non-rhizospheric soil of <i>Syzygium cumini</i> (Black plum). <i>Archives of Microbiology</i> , 2022, 204, 82.	2.2	6
14	Fungal consortium and nitrogen supplementation stimulates soil microbial communities to accelerate in situ degradation of paddy straw. <i>Environmental Sustainability</i> , 2022, 5, 161-171.	2.8	3
15	Anthocyanin-rich fruit vinegar from <i>Grewia</i> and <i>Cantaloupe</i> fruit blends. <i>International Journal of Food Science and Technology</i> , 2022, 57, 4566-4574.	2.7	1
16	De-Oiled Citrus Peels as Feedstock for the Production of Pectin Oligosaccharides and Its Effect on <i>Lactobacillus fermentum</i> , Probiotic Source. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	3
17	Cyanobacterial Inoculation Enhances Nutrient Use Efficiency and Grain Quality of Basmati Rice in the System of Rice Intensification. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 742-753.	2.3	9
18	Inulin from <i>Pachyrhizus erosus</i> root and its production intensification using evolutionary algorithm approach and response surface methodology. <i>Carbohydrate Polymers</i> , 2021, 251, 117042.	10.2	15

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19	Cyanobacterium-primed Chrysanthemum nursery improves performance of the plant and soil quality. <i>Biology and Fertility of Soils</i> , 2021, 57, 89-105.	4.3	8
20	Overexpression and repression of key rate-limiting enzymes (acetyl CoA carboxylase and HMG) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 <i>Microbiology</i> , 2021, 61, 4-14.	3.3	10
21	Rhizospheric Microbial Communities: Occurrence, Distribution, and Functions. , 2021, , 239-271.		4
22	Natural and Constructed Cyanobacteria-Based Consortia for Enhancing Crop Growth and Soil Fertility. <i>Microorganisms for Sustainability</i> , 2021, , 333-362.	0.7	5
23	Methane utilizing plant growth-promoting microbial diversity analysis of flooded paddy ecosystem of India. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 56.	3.6	11
24	Cyanobacterial inoculation as resource conserving options for improving the soil nutrient availability and growth of maize genotypes. <i>Archives of Microbiology</i> , 2021, 203, 2393-2409.	2.2	3
25	Bread waste to lactic acid: Applicability of simultaneous saccharification and solid state fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101934.	3.1	12
26	Strain Improvement of Native <i>Saccharomyces cerevisiae</i> LN ITCC 8246 Strain Through Protoplast Fusion To Enhance Its Xylose Uptake. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 2455-2469.	2.9	5
27	One-pot production of lactic acid from rice straw pretreated with ionic liquid. <i>Bioresource Technology</i> , 2021, 323, 124563.	9.6	25
28	Restoration of heavy metal-contaminated soil and water through biosorbents: A review of current understanding and future challenges. <i>Physiologia Plantarum</i> , 2021, 173, 394-417.	5.2	8
29	Cyanobacterial amendment boosts plant growth and flower quality in Chrysanthemum through improved nutrient availability. <i>Applied Soil Ecology</i> , 2021, 162, 103899.	4.3	7
30	Cyanobacterium-amended mixes as priming options for stimulating growth and improving nutrient availability in nursery-grown Chrysanthemum rooted stem cuttings. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	2.1	2
31	Co-production of gamma amino butyric acid (GABA) and lactic acid using <i>Lactobacillus plantarum</i> LP-9 from agro-residues. <i>Environmental Technology and Innovation</i> , 2021, 23, 101650.	6.1	15
32	Interactions of microbial inoculants with soil and plant attributes for enhancing Fe and Zn biofortification in maize genotypes. <i>Rhizosphere</i> , 2021, 19, 100421.	3.0	7
33	Studies on the degradation and characterization of a novel metal-free polylactic acid synthesized via lipase-catalyzed polymerization: A step towards curing the environmental plastic issue. <i>Environmental Technology and Innovation</i> , 2021, 24, 101845.	6.1	10
34	PGPR Mediated Alterations in Root Traits: Way Toward Sustainable Crop Production. <i>Frontiers in Sustainable Food Systems</i> , 2021, 4, .	3.9	129
35	One-pot microbial bioconversion of wheat bran ferulic acid to biovanillin. <i>3 Biotech</i> , 2021, 11, 462.	2.2	2
36	Development of Nutrient-Rich Media Through Cyanobacterial Amendment and Their Characterization. <i>Waste and Biomass Valorization</i> , 2020, 11, 6003-6016.	3.4	7

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37	Soil metaproteomics as a tool for monitoring functional microbial communities: promises and challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 73-102.	8.1	30
38	Exploring the potential of Aloe vera as a carrier for developing a novel cyanobacterial formulation. <i>South African Journal of Botany</i> , 2020, 135, 437-443.	2.5	3
39	A simple downstream processing protocol for the recovery of lactic acid from the fermentation broth. <i>Bioresource Technology</i> , 2020, 318, 124260.	9.6	33
40	A biorefinery approach for the production of ferulic acid from agroresidues through ferulic acid esterase of lactic acid bacteria. <i>3 Biotech</i> , 2020, 10, 367.	2.2	14
41	Efficient two-step lactic acid production from cassava biomass using thermostable enzyme cocktail and lactic acid bacteria: insights from hydrolysis optimization and proteomics analysis. <i>3 Biotech</i> , 2020, 10, 409.	2.2	11
42	Single cell oil production by a novel yeast <i>Trichosporon mycotoxinivorans</i> for complete and ecofriendly valorization of paddy straw. <i>Electronic Journal of Biotechnology</i> , 2020, 44, 60-68.	2.2	18
43	Priming maize seeds with cyanobacteria enhances seed vigour and plant growth in elite maize inbreds. <i>3 Biotech</i> , 2020, 10, 154.	2.2	20
44	Arabinofuranosidases: Characteristics, microbial production, and potential in waste valorization and industrial applications. <i>Bioresource Technology</i> , 2020, 304, 123019.	9.6	48
45	Assessment of Water Quality in Indo-Gangetic Plain of South-Eastern Asia under Organic vs. Conventional Rice Farming. <i>Water (Switzerland)</i> , 2020, 12, 960.	2.7	7
46	Prospecting the Potential of Agroresidues as Substrate for Microbial Flavor Production. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	35
47	Prospecting the promise of cyanobacterial formulations developed using soil-less substrates as carriers. <i>Environmental Technology and Innovation</i> , 2020, 18, 100652.	6.1	8
48	Flooded Paddy Ecosystem Harbors Methanol Oxidizing-Plant Growth Promoting Bacteria Belonging to Order Enterobacterales. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 685-696.	0.1	3
49	Microbial Biofuels: Renewable Source of Energy. , 2020, , 181-192.		1
50	Technological interventions for utilization of crop residues and weedy biomass for second generation bio-ethanol production. <i>Renewable Energy</i> , 2019, 132, 723-741.	8.9	122
51	Valorization of agro-starchy wastes as substrates for oleaginous microbes. <i>Biomass and Bioenergy</i> , 2019, 127, 105294.	5.7	31
52	Seasonal variation induced stability of municipal solid waste compost: an enzyme kinetics study. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	9
53	Thermophilic Fungi and Their Enzymes for Biorefineries. , 2019, , 479-502.		3
54	Co-cultivation of cyanobacteria for raising nursery of chrysanthemum using a hydroponic system. <i>Journal of Applied Phycology</i> , 2019, 31, 3625-3635.	2.8	20

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55	Effect of paddy straw burning on soil microbial dynamics in sandy loam soil of Indo-Gangetic plains. <i>Environmental Technology and Innovation</i> , 2019, 16, 100469.	6.1	35
56	Impact of municipal wastewater reuse through micro-irrigation system on the incidence of coliforms in selected vegetable crops. <i>Journal of Environmental Management</i> , 2019, 251, 109532.	7.8	19
57	Additive effect of cow dung slurry and cellulolytic bacterial inoculation on humic fractions during composting of municipal solid waste. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2019, 8, 325-332.	2.0	20
58	Production of single cell oil by using cassava peel substrate from oleaginous yeast <i>Rhodotorula glutinis</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101308.	3.1	5
59	Legume residue and N management for improving productivity and N economy and soil fertility in wheat (<i>Triticum aestivum</i>)-based cropping systems. <i>The National Academy of Sciences, India</i> , 2019, 42, 297-307.	1.3	6
60	Exploring indigenous fermented foods of India for the presence of lactic acid bacteria. <i>Nutrition and Food Science</i> , 2019, 49, 942-954.	0.9	1
61	Cellulose as Potential Feedstock for Cellulase Enzyme Production: Versatility and Properties of Various Cellulosic Biomasses. , 2019, , 11-27.		5
62	<i>Trichoderma</i> & <i>Azotobacter</i> biofilm inoculation improves soil nutrient availability and plant growth in wheat and cotton. <i>Journal of Basic Microbiology</i> , 2019, 59, 632-644.	3.3	30
63	An iTRAQ Based Comparative Proteomic Profiling of Thermotolerant <i>Saccharomyces cerevisiae</i> JRC6 in Response to High Temperature Fermentation. <i>Current Proteomics</i> , 2019, 16, 289-296.	0.3	4
64	Novel chitosan grafted zinc containing nanoclay polymer biocomposite (CZNCPBC): Controlled release formulation (CRF) of Zn ²⁺ . <i>Reactive and Functional Polymers</i> , 2018, 127, 55-66.	4.1	15
65	Optimization of fermentation condition for co-production of ethanol and 2,3-butanediol (2,3-BD) from hemicellulosic hydrolysates by <i>Klebsiella oxytoca</i> XF7. <i>Chemical Engineering Communications</i> , 2018, 205, 402-410.	2.6	11
66	Bioprospecting microbes for single-cell oil production from starchy wastes. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 296-302.	1.9	13
67	Bioprospecting of functional cellulases from metagenome for second generation biofuel production: a review. <i>Critical Reviews in Microbiology</i> , 2018, 44, 244-257.	6.1	76
68	Mode of application influences the biofertilizing efficacy of cyanobacterial biofilm formulations in chrysanthemum varieties under protected cultivation. <i>Open Agriculture</i> , 2018, 3, 478-489.	1.7	18
69	Augmenting Pentose Utilization and Ethanol Production of Native <i>Saccharomyces cerevisiae</i> LN Using Medium Engineering and Response Surface Methodology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 132.	4.1	8
70	Banana peel waste management for single-cell oil production. <i>Energy, Ecology and Environment</i> , 2018, 3, 296-303.	3.9	12
71	Sustainable Production of Biofuels from Weedy Biomass and Other Unconventional Lignocellulose Wastes. , 2018, , 83-116.		0
72	Influence of Silver, Zinc Oxide and Copper Oxide Nanoparticles on the Cyanobacterium <i>Calothrix elenkinii</i> . <i>BioNanoScience</i> , 2018, 8, 802-810.	3.5	9

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73	Complementary effect of thermotolerant yeast and cold active cellulase on simultaneous saccharification and fermentation for bioethanol production from rice straw. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	9
74	Notable mixed substrate fermentation by native Kodamaea ohmeri strains isolated from Lagenaria siceraria flowers and ethanol production on paddy straw hydrolysates. Chemistry Central Journal, 2018, 12, 8.	2.6	13
75	Magnetic Nanoparticle Immobilized Cellulase Enzyme for Saccharification of Paddy Straw. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 881-893.	0.1	12
76	Simultaneous saccharification and fermentation of alkali-pretreated corncob under optimized conditions using cold-tolerant indigenous holocellulase. Korean Journal of Chemical Engineering, 2017, 34, 773-780.	2.7	10
77	Alginate immobilized enrichment culture for atrazine degradation in soil and water system. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 229-236.	1.5	10
78	Microbial inoculation of seeds characteristically shapes the rhizosphere microbiome in desi and kabuli chickpea types. Journal of Soils and Sediments, 2017, 17, 2040-2053.	3.0	14
79	Wastewater grown microalgal biomass as inoculants for improving micronutrient availability in wheat. Rhizosphere, 2017, 3, 150-159.	3.0	42
80	Cost effective characterization process and molecular dynamic simulation of detergent compatible alkaline protease from Bacillus pumilus strain MP27. Process Biochemistry, 2017, 58, 199-203.	3.7	27
81	Evaluation of soil health in organic <i>vs</i>. conventional farming of basmati rice in North India. Journal of Plant Nutrition and Soil Science, 2017, 180, 389-406.	1.9	67
82	Improvement of Growth, Yield, and Pigmentation of Mung Bean Plants Using <i>Ochrobactrum intermedium</i> CP&2 as Bioinoculant. Clean - Soil, Air, Water, 2017, 45, 1500670.	1.1	9
83	Bioethanol Production Scenario in India: Potential and Policy Perspective. , 2017, , 21-37.		7
84	Deciphering the mode of interactions of nanoparticles with mung bean (Vigna radiata L.). Israel Journal of Plant Sciences, 2017, , 1-9.	0.5	2
85	Elucidating the interactions and phytotoxicity of zinc oxide nanoparticles with agriculturally beneficial bacteria and selected crop plants. Folia Microbiologica, 2017, 62, 253-262.	2.3	16
86	Immobilization of indigenous holocellulase on iron oxide (Fe ₂ O ₃) nanoparticles enhanced hydrolysis of alkali pretreated paddy straw. International Journal of Biological Macromolecules, 2017, 96, 538-549.	7.5	39
87	Modulation of growth media influences aggregation and biofilm formation between Azotobacter chroococcum and Trichoderma viride. Applied Biochemistry and Microbiology, 2017, 53, 546-556.	0.9	14
88	Cyanobacterial and rhizobial inoculation modulates the plant physiological attributes and nodule microbial communities of chickpea. Archives of Microbiology, 2017, 199, 1311-1323.	2.2	41
89	Efficient Microorganism Compost Benefits Plant Growth and Improves Soil Health in Calendula and Marigold. Horticultural Plant Journal, 2017, 3, 67-72.	5.0	49
90	Agro-waste biosorbents: Effect of physico-chemical properties on atrazine and imidacloprid sorption. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 671-682.	1.5	20

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91	Antibacterial characteristics of TiO ₂ nano-objects and their interaction with biofilm. <i>Materials Technology</i> , 2017, 32, 385-390.	3.0	15
92	Bioprospecting thermotolerant ethanologenic yeasts for simultaneous saccharification and fermentation from diverse environments. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 342-346.	2.2	54
93	Bioprospecting of novel thermostable β -glucosidase from <i>Bacillus subtilis</i> RA10 and its application in biomass hydrolysis. <i>Biotechnology for Biofuels</i> , 2017, 10, 246.	6.2	35
94	Current Technological Improvements in Enzymes toward Their Biotechnological Applications. <i>Frontiers in Microbiology</i> , 2016, 7, 965.	3.5	64
95	An Alkaline Protease from <i>Bacillus pumilus</i> MP 27: Functional Analysis of Its Binding Model toward Its Applications As Detergent Additive. <i>Frontiers in Microbiology</i> , 2016, 7, 1195.	3.5	70
96	Molecular Detection and Environment-Specific Diversity of Glycosyl Hydrolase Family 1 β -Glucosidase in Different Habitats. <i>Frontiers in Microbiology</i> , 2016, 7, 1597.	3.5	22
97	Taxonomic and functional diversity of the culturable microbiomes of epigeic earthworms and their prospects in agriculture. <i>Journal of Basic Microbiology</i> , 2016, 56, 1009-1020.	3.3	10
98	Two-step statistical optimization for cold active β -glucosidase production from <i>Pseudomonas lutea</i> BG8 and its application for improving saccharification of paddy straw. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 659-668.	3.1	12
99	Beneficial cyanobacteria and eubacteria synergistically enhance bioavailability of soil nutrients and yield of okra. <i>Heliyon</i> , 2016, 2, e00066.	3.2	76
100	Thermotolerant fermenting yeasts for simultaneous saccharification fermentation of lignocellulosic biomass. <i>Electronic Journal of Biotechnology</i> , 2016, 21, 82-92.	2.2	114
101	Laccase Production by a Novel White-Rot Fungus <i>Pseudolagarobasidium acaciicola</i> LA 1 Through Solid-State Fermentation of <i>Parthenium</i> Biomass and Its Application in Dyes Decolorization. <i>Waste and Biomass Valorization</i> , 2016, 7, 1427-1435.	3.4	22
102	Cyanobacteria-based bioinoculants influence growth and yields by modulating the microbial communities favourably in the rhizospheres of maize hybrids. <i>European Journal of Soil Biology</i> , 2016, 75, 15-23.	3.2	48
103	Cyanobacterial inoculation modifies the rhizosphere microbiome of rice planted to a tropical alluvial soil. <i>Applied Soil Ecology</i> , 2016, 108, 195-203.	4.3	49
104	Enhanced biodegradation of PAHs by microbial consortium with different amendment and their fate in in-situ condition. <i>Journal of Environmental Management</i> , 2016, 181, 728-736.	7.8	61
105	Evaluating biological pretreatment as a feasible methodology for ethanol production from paddy straw. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 66-72.	3.1	58
106	Microbial priming elicits improved plant growth promotion and nutrient uptake in pea. <i>Israel Journal of Plant Sciences</i> , 2016, 63, 191-207.	0.5	12
107	The Role and Applications of Xyloglucan Hydrolase in Biomass Degradation/Bioconversion. <i>Biofuel and Biorefinery Technologies</i> , 2016, , 231-248.	0.3	2
108	Saccharification of biopretreated paddy straw with indigenous holocellulase and fermentation with <i>Saccharomyces cerevisiae</i> LN1 under optimized conditions. <i>Energy, Ecology and Environment</i> , 2016, 1, 419-429.	3.9	4

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109	Do cultural conditions induce differential protein expression: Profiling of extracellular proteome of <i>Aspergillus terreus</i> CM20. <i>Microbiological Research</i> , 2016, 192, 73-83.	5.3	15
110	Exploring the efficacy of wastewater-grown microalgal biomass as a biofertilizer for wheat. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6608-6620.	5.3	133
111	Construction and screening of metagenomic library derived from soil for Î²-1, 4-endoglucanase gene. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 5, 186-192.	3.1	8
112	Micronutrient enrichment mediated by plant-microbe interactions and rice cultivation practices. <i>Journal of Plant Nutrition</i> , 2016, 39, 1216-1232.	1.9	74
113	Biofortification with Microorganisms: Present Status and Future Challenges. , 2016, , 249-262.		16
114	Long-term atmospheric CO ₂ enrichment impact on soil biophysical properties and root nodule biophysics in chickpea (<i>Cicer arietinum</i> L.). <i>European Journal of Agronomy</i> , 2016, 75, 1-11.	4.1	8
115	Characterization of bacterial diversity in an atrazine degrading enrichment culture and degradation of atrazine, cyanuric acid and biuret in industrial wastewater. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 24-34.	1.5	10
116	Cyanobacterial inoculation in rice grown under flooded and SRI modes of cultivation elicits differential effects on plant growth and nutrient dynamics. <i>Ecological Engineering</i> , 2015, 84, 532-541.	3.6	50
117	Identification and analysis of polyaromatic hydrocarbons (PAHs)â€™biodegrading bacterial strains from refinery soil of India. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 391.	2.7	20
118	Pyrene Degradation by Biosurfactant Producing Bacterium <i>Stenotrophomonas maltophilia</i> . <i>Agricultural Research</i> , 2015, 4, 42-47.	1.7	11
119	Proteomic analysis of <i>Streptomyces</i> sp. ssrâ€¹98 grown on paddy straw. <i>Journal of Basic Microbiology</i> , 2015, 55, 790-797.	3.3	13
120	Improvement of antioxidant and defense properties of Tomato (var. Pusa Rohini) by application of bioaugmented compost. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 256-264.	3.8	39
121	Cyanobacterial inoculation elicits plant defense response and enhanced Zn mobilization in maize hybrids. <i>Cogent Food and Agriculture</i> , 2015, 1, 998507.	1.4	66
122	Soilâ€™Phosphorus Mobilization Potential of Phytate Mineralizing Fungi. <i>Journal of Plant Nutrition</i> , 2015, 38, 2159-2175.	1.9	32
123	PROSPECTING CYANOBACTERIA-FORTIFIED COMPOSTS AS PLANT GROWTH PROMOTING AND BIOCONTROL AGENTS IN COTTON. <i>Experimental Agriculture</i> , 2015, 51, 42-65.	0.9	68
124	Taxonomic and functional annotation of gut bacterial communities of <i>Eisenia foetida</i> and <i>Perionyx excavatus</i> . <i>Microbiological Research</i> , 2015, 175, 48-56.	5.3	54
125	Expression of novel glucose tolerant Î²-glucosidase on cell surface by <i>Rhodotorula glutinis</i> isolate. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 380-387.	3.1	12
126	Insights into biological delignification of rice straw by <i>Trametes hirsuta</i> and <i>Myrothecium roridum</i> and comparison of saccharification yields with dilute acid pretreatment. <i>Biomass and Bioenergy</i> , 2015, 76, 54-60.	5.7	42

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127	Cold active holocellulase cocktail from <i>Aspergillus niger</i> SH3: process optimization for production and biomass hydrolysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 56, 57-66.	5.3	30
128	Prospecting plant growth promoting bacteria and cyanobacteria as options for enrichment of macro- and micronutrients in grains in rice-wheat cropping sequence. <i>Cogent Food and Agriculture</i> , 2015, 1, 1037379.	1.4	62
129	Synergistic action of PGP agents and <i>Rhizobium</i> spp. for improved plant growth, nutrient mobilization and yields in different leguminous crops. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 456-464.	3.1	24
130	Prospecting cyanobacterial formulations as plant-growth-promoting agents for maize hybrids. <i>South African Journal of Plant and Soil</i> , 2015, 32, 199-207.	1.1	27
131	Synergistic interaction of arbuscular mycorrhizal fungi and mycorrhiza helper bacteria improving antioxidant activities in Troyer citrange and Cleopatra mandarin under low moisture stress. <i>Indian Journal of Horticulture</i> , 2015, 72, 33.	0.1	1
132	Pretreatment and Designing Energy Crops: Technological Innovations and Prospects. <i>Research Journal of Microbiology</i> , 2015, 10, 557-570.	0.2	0
133	Optimization of Enzymatic Saccharification of Alkali Pretreated <i>Parthenium</i> sp. Using Response Surface Methodology. <i>Enzyme Research</i> , 2014, 2014, 1-8.	1.8	46
134	Response of canola and wheat to amendment of pyrite and sulphur-oxidizing bacteria in soil. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 367-375.	2.6	13
135	Statistical Optimization of Media Components for Production of Fibrinolytic Alkaline Metalloproteases from <i>Xenorhabdus indica</i> KB-3. <i>Biotechnology Research International</i> , 2014, 2014, 1-11.	1.4	15
136	Biomass hydrolyzing enzymes from plant pathogen <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> : optimizing production and characterization. <i>Annals of Microbiology</i> , 2014, 64, 267-274.	2.6	3
137	Comparative efficiency of different pretreatment methods on enzymatic digestibility of <i>Parthenium</i> sp.. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 55-64.	3.6	59
138	Cloning and expression of β -1, 4-endoglucanase gene from <i>Bacillus subtilis</i> isolated from soil long term irrigated with effluents of paper and pulp mill. <i>Microbiological Research</i> , 2014, 169, 693-698.	5.3	24
139	Novel cold temperature active β -glucosidase from <i>Pseudomonas lutea</i> BG8 suitable for simultaneous saccharification and fermentation. <i>RSC Advances</i> , 2014, 4, 58108-58115.	3.6	25
140	Production, optimization and evaluation of multicomponent holocellulase produced by <i>Streptomyces</i> sp. ssr-198. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2379-2386.	5.3	17
141	Unwrapping the hydrolytic system of the phytopathogenic fungus <i>Phoma exigua</i> by secretome analysis. <i>Process Biochemistry</i> , 2014, 49, 1630-1636.	3.7	15
142	Insights into rapid composting of paddy straw augmented with efficient microorganism consortium. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2014, 3, 1.	2.0	45
143	Biodegradation of dimethyl phthalate by an entomopathogenic nematode symbiont <i>Xenorhabdus indica</i> strain KB-3. <i>International Biodeterioration and Biodegradation</i> , 2014, 89, 23-28.	3.9	17
144	Evaluation of glycosyl hydrolases from thermophilic fungi for their potential in bioconversion of alkali and biologically treated <i>Parthenium hysterophorus</i> weed and rice straw into ethanol. <i>Bioresource Technology</i> , 2014, 163, 300-307.	9.6	28

#	ARTICLE	IF	CITATIONS
145	Microorganisms in the Conversion of Agricultural Wastes to Compost. Proceedings of the Indian National Science Academy, 2014, 80, 473.	1.4	50
146	Evaluation of α -1,4-Endoglucanases Produced by Bacilli Isolated from Paper and Pulp Mill Effluents Irrigated Soil. Journal of Microbiology and Biotechnology, 2014, 24, 1073-1080.	2.1	6
147	Bioaugmented composting of <i>Jatropha</i> de-oiled cake and vegetable waste under aerobic and partial anaerobic conditions. Journal of Basic Microbiology, 2013, 53, 327-335.	3.3	19
148	Assessment of bacterial diversity during composting of agricultural byproducts. BMC Microbiology, 2013, 13, 99.	3.3	108
149	Phase control of nanostructured iron oxide for application to biosensor. Journal of Materials Chemistry B, 2013, 1, 464-474.	5.8	36
150	<i>Streptomyces griseorubens</i> mediated delignification of paddy straw for improved enzymatic saccharification yields. Bioresource Technology, 2013, 135, 12-17.	9.6	57
151	Harnessing the hydrolytic potential of phytopathogenic fungus <i>Phoma exigua</i> ITCC 2049 for saccharification of lignocellulosic biomass. Bioresource Technology, 2013, 150, 228-234.	9.6	21
152	Novel perspectives for evolving enzyme cocktails for lignocellulose hydrolysis in biorefineries. Sustainable Chemical Processes, 2013, 1, .	2.3	126
153	Soil fertility and establishment potential of inoculated cyanobacteria in rice crop grown under non-flooded conditions. Paddy and Water Environment, 2013, 11, 175-183.	1.8	41
154	Prospecting <i>Parthenium</i> sp. pretreated with <i>Trametes hirsuta</i> , as a potential bioethanol feedstock. Biocatalysis and Agricultural Biotechnology, 2013, 2, 152-158.	3.1	31
155	Biological delignification of paddy straw and <i>Parthenium</i> sp. using a novel micromycete <i>Myrothecium roridum</i> LG7 for enhanced saccharification. Bioresource Technology, 2013, 135, 7-11.	9.6	40
156	Cyanobacteria mediated plant growth promotion and bioprotection against <i>Fusarium</i> wilt in tomato. European Journal of Plant Pathology, 2013, 136, 337-353.	1.7	117
157	Deciphering the biochemical spectrum of novel cyanobacterium-based biofilms for use as inoculants. Biological Agriculture and Horticulture, 2013, 29, 145-158.	1.0	46
158	Phylogenetic Diversity and Characterization of Novel and Efficient Cellulase Producing Bacterial Isolates from Various Extreme Environments. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1474-1480.	1.3	84
159	EVALUATING THE ESTABLISHMENT AND AGRONOMIC PROFICIENCY OF CYANOBACTERIAL CONSORTIA AS ORGANIC OPTIONS IN WHEAT-RICE CROPPING SEQUENCE. Experimental Agriculture, 2013, 49, 416-434.	0.9	56
160	Synergistic effect of phosphate solubilizing rhizobacteria and arbuscular mycorrhiza on growth and yield of wheat plants. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	22
161	Extracellular Novel Metalloprotease from <i>Xenorhabdus indica</i> and Its Potential as an Insecticidal Agent. Journal of Microbiology and Biotechnology, 2013, 23, 1536-1543.	2.1	8
162	Microbial diversity and multidimensional interactions in the rice ecosystem. Archives of Agronomy and Soil Science, 2012, 58, 723-744.	2.6	34

#	ARTICLE	IF	CITATIONS
163	Characterization of multifaceted <i>Bacillus</i> sp. RM-2 for its use as plant growth promoting bioinoculant for crops grown in semi arid deserts. <i>Applied Soil Ecology</i> , 2012, 59, 124-135.	4.3	119
164	Biofortification of wheat through inoculation of plant growth promoting rhizobacteria and cyanobacteria. <i>European Journal of Soil Biology</i> , 2012, 50, 118-126.	3.2	300
165	Medium optimization for a novel crude-oil degrading lipase from <i>Pseudomonas aeruginosa</i> SL-72 using statistical approaches for bioremediation of crude-oil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 321-329.	3.1	30
166	Biochemical, structural and functional characterization of two novel antifungal endoglucanases from <i>Anabaena laxa</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 338-347.	3.1	15
167	Cyanobacteria-PCPR Interactions for Effective Nutrient and Pest Management Strategies in Agriculture. , 2012, , 173-195.		4
168	Deciphering the metabolic capabilities of a lipase producing <i>Pseudomonas aeruginosa</i> SL-72 strain. <i>Folia Microbiologica</i> , 2012, 57, 525-531.	2.3	5
169	Bioefficacy of novel cyanobacteria-amended formulations in suppressing damping off disease in tomato seedlings. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 3301-3310.	3.6	62
170	Deciphering the traits associated with PAH degradation by a novel <i>Serratia marcescens</i> L-11 strain. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 755-765.	1.7	22
171	Enhancing micronutrient uptake and yield of wheat through bacterial PGPR consortia. <i>Soil Science and Plant Nutrition</i> , 2012, 58, 573-582.	1.9	116
172	Microbes in Agrowaste Management for Sustainable Agriculture. , 2012, , 127-151.		5
173	Enhancing soil nutrient dynamics and productivity of Basmati rice through residue incorporation and zinc fertilization. <i>European Journal of Agronomy</i> , 2012, 41, 28-37.	4.1	65
174	Pretreatment of paddy straw with <i>Trametes hirsuta</i> for improved enzymatic saccharification. <i>Bioresource Technology</i> , 2012, 104, 459-465.	9.6	73
175	Characterization of the fungicidal activity of <i>Calothrix elenkinii</i> using chemical methods and microscopy. <i>Applied Biochemistry and Microbiology</i> , 2012, 48, 51-57.	0.9	38
176	Influence of co-inoculation of bacteria-cyanobacteria on crop yield and C-N sequestration in soil under rice crop. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1223-1235.	3.6	131
177	Impact of PAH on biological health parameters of soils of an Indian refinery and adjoining agricultural area—a case study. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1145-1156.	2.7	12
178	Electrophoretic Fabrication of Chitosan-Zirconium-Oxide Nanobiocomposite Platform for Nucleic Acid Detection. <i>Biomacromolecules</i> , 2011, 12, 540-547.	5.4	62
179	Evaluating novel microbe amended composts as biocontrol agents in tomato. <i>Crop Protection</i> , 2011, 30, 436-442.	2.1	99
180	Monitoring the biofertilizing potential and establishment of inoculated cyanobacteria in soil using physiological and molecular markers. <i>Journal of Applied Phycology</i> , 2011, 23, 301-308.	2.8	9

#	ARTICLE	IF	CITATIONS
181	Bioremediation of PAH by <i>Streptomyces</i> sp. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 268-271.	2.7	58
182	Development of cyanobacterium-based biofilms and their in vitro evaluation for agriculturally useful traits. Folia Microbiologica, 2011, 56, 49-58.	2.3	76
183	Identification of multi-trait PGPR isolates and evaluating their potential as inoculants for wheat. Annals of Microbiology, 2011, 61, 893-900.	2.6	165
184	Developing PGPR consortia using novel genera <i>Providencia</i> and <i>Alcaligenes</i> along with cyanobacteria for wheat. Archives of Agronomy and Soil Science, 2011, 57, 873-887.	2.6	59
185	Molecular and Biochemical Approaches for Characterization of Antifungal Trait of a Potent Biocontrol Agent <i>Bacillus subtilis</i> RP24. Current Microbiology, 2010, 60, 99-106.	2.2	55
186	Developing biochemical and molecular markers for cyanobacterial inoculants. Folia Microbiologica, 2010, 55, 474-480.	2.3	11
187	Evaluation of hydrolytic enzymes in bioaugmented compost of <i>Jatropha</i> cake under aerobic and partial anaerobic conditions. Annals of Microbiology, 2010, 60, 685-691.	2.6	9
188	Evaluation of synergistic effects of bacterial and cyanobacterial strains as biofertilizers for wheat. Plant and Soil, 2010, 331, 217-230.	3.7	132
189	Exploration of composted cereal waste and poultry manure for soil restoration. Bioresource Technology, 2010, 101, 2996-3003.	9.6	25
190	Biocontrol potential of cyanobacterial metabolites against damping off disease caused by <i>Pythium aphanidermatum</i> in solanaceous vegetables. Archives of Phytopathology and Plant Protection, 2010, 43, 666-677.	1.3	76
191	Development of microtitre plate-based assay for evaluation of fungicidal potential of cyanobacterial metabolites. Archives of Phytopathology and Plant Protection, 2010, 43, 1435-1444.	1.3	4
192	Exploring the Ecological Significance of Microbial Diversity and Networking in the Rice Ecosystem. Soil Biology, 2010, , 139-161.	0.8	12
193	Biochemical and Molecular Characterization of <i>Mesorhizobium ciceri</i> Containing <i>acdS</i> Gene. Journal of Plant Biochemistry and Biotechnology, 2010, 19, 107-110.	1.7	0
194	Modulation of IAA Production in Cyanobacteria by Tryptophan and Light. Polish Journal of Microbiology, 2010, 59, 99-105.	1.7	43
195	Modulation of IAA production in cyanobacteria by tryptophan and light. Polish Journal of Microbiology, 2010, 59, 99-105.	1.7	6
196	Effect of bioaugmentation and nitrogen supplementation on composting of paddy straw. Biodegradation, 2009, 20, 293-306.	3.0	45
197	Quality evaluation of co-composted wheat straw, poultry droppings and oil seed cakes. Biodegradation, 2009, 20, 307-317.	3.0	36
198	Comparision between <i>Bacillus subtilis</i> RP24 and its antibiotic-defective mutants. World Journal of Microbiology and Biotechnology, 2009, 25, 1329-1335.	3.6	12

#	ARTICLE	IF	CITATIONS
199	Evaluation of thermophilic fungal consortium for paddy straw composting. <i>Biodegradation</i> , 2008, 19, 395-402.	3.0	41
200	Evaluation of fungicidal activity of extracellular filtrates of cyanobacteria – possible role of hydrolytic enzymes. <i>Journal of Basic Microbiology</i> , 2008, 48, 186-194.	3.3	126
201	Mango explant browning: Effect of ontogenic age, mycorrhization and pre-treatments. <i>Scientia Horticulturae</i> , 2008, 118, 132-138.	3.6	57
202	Evaluating the potential of plant growth promoting cyanobacteria as inoculants for wheat. <i>European Journal of Soil Biology</i> , 2007, 43, 23-30.	3.2	204
203	Survival of bio-inoculants on fungicides-treated seeds of wheat, pea and chickpea and subsequent effect on chickpea yield. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 663-668.	1.5	20
204	Chemical and biological properties of wheat soil in response to paddy straw incorporation and its biodegradation by fungal inoculants. <i>Biodegradation</i> , 2007, 18, 495-503.	3.0	52
205	Solid-state fermentation of wood residues by <i>Streptomyces griseus</i> B1, a soil isolate, and solubilization of lignins. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 303-308.	3.6	22
206	Effect of Isomers of Hexachlorocyclohexane on N ₂ O Production in Nonflooded and Flooded Soil, Unamended or Amended with Urea. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000, 65, 803-810.	2.7	1
207	Bacterial consortium for efficient degradation of di-ethyl phthalate in soil microcosm. <i>Environmental Sustainability</i> , 0, , 1.	2.8	0
208	Environment-Friendly Synergistic Abiotic Stress for Enhancing the Yield of Lipids from Oleaginous Yeasts. <i>European Journal of Lipid Science and Technology</i> , 0, , 2000376.	1.5	5