

# Shashwati Ghosh Sachan

## List of Publications by Year in descending order

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44  
papers

1,239  
citations

471061

17  
h-index

395343

33  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospecting cold deserts of north western Himalayas for microbial diversity and plant growth promoting attributes. Journal of Bioscience and Bioengineering, 2015, 119, 683-693.	1.1	179
2	Cold active hydrolytic enzymes production by psychrotrophic Bacilli isolated from three subglacial lakes of NW Indian Himalayas. Journal of Basic Microbiology, 2016, 56, 294-307.	1.8	133
3	Culturable diversity and functional annotation of psychrotrophic bacteria from cold desert of Leh Ladakh (India). World Journal of Microbiology and Biotechnology, 2015, 31, 95-108.	1.7	132
4	Decolorization and degradation of methyl orange by Bacillus stratosphericus SCA1007. Biocatalysis and Agricultural Biotechnology, 2019, 18, 101044.	1.5	87
5	Bioprospecting of plant growth promoting psychrotrophic Bacilli from the cold desert of north western Indian Himalayas. Indian Journal of Experimental Biology, 2016, 54, 142-50.	0.5	70
6	Tiny microbes, big yields: Microorganisms for enhancing food crop production for sustainable development. , 2020, , 1-15.		58
7	Microbial transformation of ferulic acid to vanillic acid by Streptomyces sannanensis MTCC 6637. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 131-138.	1.4	55
8	Psychrotrophic Microbiomes: Molecular Diversity and Beneficial Role in Plant Growth Promotion and Soil Health. Microorganisms for Sustainability, 2018, , 197-240.	0.4	44
9	Transformation of ferulic acid to 4-vinyl guaiacol as a major metabolite: a microbial approach. Reviews in Environmental Science and Biotechnology, 2014, 13, 377-385.	3.9	41
10	Detection of major phenolic acids from dried mesocarpic husk of mature coconut by thin layer chromatography. Industrial Crops and Products, 2003, 18, 171-176.	2.5	39
11	Co-production of caffeic acid and p-hydroxybenzoic acid from p-coumaric acid by Streptomyces caeruleus MTCC 6638. Applied Microbiology and Biotechnology, 2006, 71, 720-727.	1.7	39
12	Production of natural value-added compounds: an insight into the eugenol biotransformation pathway. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 545-550.	1.4	34
13	Biotransformation of p-coumaric acid by Paecilomyces variotii. Letters in Applied Microbiology, 2006, 42, 35-41.	1.0	31
14	Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation, and Biotechnological Implications in Alleviation of Cold Stress in Plants. Microorganisms for Sustainability, 2019, , 219-253.	0.4	26
15	An efficient isocratic separation of hydroxycinnamates and their corresponding benzoates from microbial and plant sources by HPLC. Biotechnology and Applied Biochemistry, 2004, 40, 197.	1.4	25
16	Screening of bioemulsifier-producing micro-organisms isolated from oil-contaminated sites. Annals of Microbiology, 2015, 65, 753-764.	1.1	24
17	Biotransformation of eugenol to vanillin by a novel strain <i>Bacillus safensis</i> SMS1003. Biocatalysis and Biotransformation, 2019, 37, 291-303.	1.1	23
18	Degradation of ferulic acid by a white rot fungus Schizophyllum commune. World Journal of Microbiology and Biotechnology, 2005, 21, 385-388.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Potassium solubilizing and mobilizing microbes: Biodiversity, mechanisms of solubilization, and biotechnological implication for alleviations of abiotic stress. , 2020, , 177-202.		22
20	Analysis of gallstone composition and structure in Jharkhand region. Indian Journal of Gastroenterology, 2015, 34, 29-37.	0.7	21
21	Conversion of sinapic acid to syringic acid by a filamentous fungus <i>Paecilomyces variotii</i> . Journal of General and Applied Microbiology, 2006, 52, 131-135.	0.4	15
22	Bioconversion of toxic micropollutant triclosan to 2,4-dichlorophenol using a wastewater isolate <i>Pseudomonas aeruginosa</i> KS2002. International Journal of Environmental Science and Technology, 2019, 16, 7663-7672.	1.8	14
23	Nanobioremediation of heavy metals: Perspectives and challenges. Journal of Basic Microbiology, 2022, 62, 428-443.	1.8	12
24	Microbial production of 4-vinylguaiacol from ferulic acid by <i>Bacillus cereus</i> SAS-3006. Biocatalysis and Biotransformation, 2014, 32, 259-266.	1.1	10
25	Biosurfactants: A Multifunctional Microbial Metabolite. , 2017, , 213-229.		9
26	Bioconversion of ferulic acid to vanillic acid by <i>Paenibacillus lactis</i> SAMS-2001. Annals of Microbiology, 2016, 66, 875-882.	1.1	8
27	Mutational analysis of microbial hydroxycinnamoyl-CoA hydratase-lyase (HCHL) towards enhancement of binding affinity: A computational approach. Journal of Molecular Graphics and Modelling, 2017, 77, 94-105.	1.3	8
28	In vitro analysis of gallstone formation in the presence of bacteria. Indian Journal of Gastroenterology, 2020, 39, 473-480.	0.7	8
29	Exploring triclosan degradation potential of <i>Citrobacter freundii</i> KS2003. International Journal of Environmental Science and Technology, 2022, 19, 3565-3580.	1.8	7
30	Current Aspects and Applications of Biofertilizers for Sustainable Agriculture. Sustainable Development and Biodiversity, 2020, , 445-473.	1.4	7
31	Validation of a simple, sensitive enzyme immunoassay (EIA) for the determination of caprine plasma LH. Small Ruminant Research, 2009, 84, 22-27.	0.6	5
32	Mutational analysis of phenolic acid decarboxylase from <i>Enterobacter</i> sp. Px6-4. towards enhancement of binding affinity: A computational approach. Computational Biology and Chemistry, 2018, 76, 245-255.	1.1	5
33	Decolorization and degradation of reactive orange 16 by <i>Bacillus stratosphericus</i> SCA1007. Folia Microbiologica, 2022, 67, 91-102.	1.1	5
34	Microbially synthesized nanoparticles and their applications in environmental clean-up. Environmental Technology Reviews, 2022, 11, 18-32.	2.1	5
35	Bacterial community composition in lakes. , 2019, , 1-71.		4
36	A rapid and simple ultra high performance liquid chromatography method for the simultaneous determination of methoxyphenol derivatives involved in the eugenol catabolic pathway. Journal of Separation Science, 2020, 43, 877-885.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Urease Positive and Slime Producing Bacterial Activity: Results in Gallstone Precipitation and Solidification. Archives of Clinical Infectious Diseases, 2013, 8, .	0.1	3
38	Consumption of heme iron: A major factor in pigment gallstone formation. International Journal of Biomedical Research, 2014, 5, 34.	0.1	2
39	Ferulic Acid Decarboxylase from Bacillus cereus SAS-3006: Purification and Properties. , 2017, , 169-179.		2
40	Nanobioremediation of pesticides by immobilization technique: a review. International Journal of Environmental Science and Technology, 2023, 20, 3455-3466.	1.8	2
41	Biosurfactant Production by Pseudomonas fluorescens NCIM 2100 Forming Stable Oil-in-Water Emulsions. , 2017, , 97-107.		0
42	In-silico mutational study of ferulic acid decarboxylase for improvement of substrate binding empathy. International Journal of Computational Biology and Drug Design, 2019, 12, 16.	0.3	0
43	In-silico mutational study of ferulic acid decarboxylase for improvement of substrate binding empathy. International Journal of Computational Biology and Drug Design, 2019, 12, 16.	0.3	0
44	Environmental and Human Exposure to Antimicrobial Agent Triclosan: A Review. , 2019, , 237-261.		0