

Narayan C Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,027
citations

430754

18
h-index

477173

29
g-index

62
all docs

62
docs citations

62
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic inflammation and cancer: potential chemoprevention through nuclear factor kappa B and p53 mutual antagonism. <i>Journal of Inflammation</i> , 2014, 11, 23.	1.5	96
2	Role of phosphate solubilizing <i>Burkholderia</i> spp. for successful colonization and growth promotion of <i>Lycopodium cernuum</i> L. (Lycopodiaceae) in lateritic belt of Birbhum district of West Bengal, India. <i>Microbiological Research</i> , 2016, 183, 80-91.	2.5	63
3	Production of bioactive compounds with bactericidal and antioxidant potential by endophytic fungus <i>Alternaria alternata</i> AE1 isolated from <i>Azadirachta indica</i> A. Juss.. <i>PLoS ONE</i> , 2019, 14, e0214744.	1.1	55
4	Effect of prebiotics on bacteriocin production and cholesterol lowering activity of <i>Pediococcus acidilactici</i> LAB 5. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1837-1847.	1.7	50
5	Unraveling the heavy metal resistance and biocontrol potential of <i>Pseudomonas</i> sp. K32 strain facilitating rice seedling growth under Cd stress. <i>Chemosphere</i> , 2021, 274, 129819.	4.2	47
6	Sunlight-induced rapid and efficient biogenic synthesis of silver nanoparticles using aqueous leaf extract of <i>Ocimum sanctum</i> Linn. with enhanced antibacterial activity. <i>Organic and Medicinal Chemistry Letters</i> , 2014, 4, 18.	2.0	44
7	Synthesis, spectroscopic, theoretical and antimicrobial studies on molecular charge-transfer complex of 4-(2-thiazolylazo)resorcinol (TAR) with 3, 5-dinitrosalicylic acid, picric acid, and chloranilic acid. <i>Journal of Molecular Liquids</i> , 2020, 299, 112217.	2.3	39
8	Biological control of fruit-rot of jackfruit by rhizobacteria and food grade lactic acid bacteria. <i>Biological Control</i> , 2015, 83, 29-36.	1.4	37
9	Biological control of <i>Alternaria alternata</i> causing leaf spot disease of <i>Aloe vera</i> using two strains of rhizobacteria. <i>Biological Control</i> , 2016, 97, 102-108.	1.4	32
10	Production and partial characterisation of an inducer-dependent novel antifungal compound(s) by <i>Pediococcus acidilactici</i> LAB 5. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 2445-2453.	1.7	29
11	Production optimization of broad spectrum bacteriocin of three strains of <i>Lactococcus lactis</i> isolated from homemade buttermilk. <i>Annals of Agrarian Science</i> , 2018, 16, 286-296.	1.2	29
12	Mechanochemical Synthesis and Antimicrobial Studies of 4-Hydroxy-3-thiomethylcoumarins Using Imidazolium Zwitterionic Molten Salt as an Organocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5557-5569.	3.2	29
13	<i>Bacillus siamensis</i> CNE6- a multifaceted plant growth promoting endophyte of <i>Cicer arietinum</i> L. having broad spectrum antifungal activities and host colonizing potential. <i>Microbiological Research</i> , 2021, 252, 126859.	2.5	25
14	Succinate-mediated catabolite repression of enzymes of glucose metabolism in root-nodule bacteria. <i>Current Microbiology</i> , 1993, 26, 247-251.	1.0	23
15	Biological control of early blight disease of potato caused by <i>Alternaria alternata</i> EBP3 by an endophytic bacterial strain <i>Bacillus velezensis</i> SEB1. <i>Biological Control</i> , 2021, 156, 104551.	1.4	21
16	Isolation and Characterization of Pediocin NV 5 Producing <i>Pediococcus acidilactici</i> LAB 5 from Vacuum-Packed Fermented Meat Product. <i>Indian Journal of Microbiology</i> , 2011, 51, 22-29.	1.5	20
17	Evaluation of the Antimicrobial Potential of Two Flavonoids Isolated from <i>Limnophila</i> Plants. <i>Chemistry and Biodiversity</i> , 2011, 8, 1139-1151.	1.0	20
18	Phosphate deficiency induced biofilm formation of <i>Burkholderia</i> on insoluble phosphate granules plays a pivotal role for maximum release of soluble phosphate. <i>Scientific Reports</i> , 2019, 9, 5477.	1.6	20

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19	Inhibition of biofilm- and hyphal- development, two virulent features of <i>Candida albicans</i> by secondary metabolites of an endophytic fungus <i>Alternaria tenuissima</i> having broad spectrum antifungal potential. <i>Microbiological Research</i> , 2020, 232, 126386.	2.5	20
20	Longterm storage of post-packaged bread by controlling spoilage pathogens using <i>Lactobacillus fermentum</i> C14 isolated from homemade curd. <i>PLoS ONE</i> , 2017, 12, e0184020.	1.1	20
21	The Study of Cyanobacterial Flora from Geothermal Springs of Bakreswar, West Bengal, India. <i>Algae</i> , 2009, 24, 185-193.	0.9	20
22	Insect gut bacteria: a promising tool for enhanced biogas production. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 1-25.	3.9	20
23	Induction of monoamine oxidase A-mediated oxidative stress and impairment of NRF2-antioxidant defence response by polyphenol-rich fraction of <i>Bergenia ligulata</i> sensitizes prostate cancer cells in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2021, 172, 136-151.	1.3	19
24	Effect of Fungicides and Insecticides on Growth and Enzyme Activity of Four Cyanobacteria. <i>Indian Journal of Microbiology</i> , 2012, 52, 275-280.	1.5	18
25	A new pentacyclic triterpene with potent antibacterial activity from <i>Limnophila indica</i> Linn. (Druce). <i>FÄ-toterapÄ-Äç</i> , 2013, 90, 104-111.	1.1	18
26	Optimized culture conditions for bacteriocin production by <i>Pediococcus acidilactici</i> LAB 5 and its characterization. <i>Indian Journal of Biochemistry and Biophysics</i> , 2008, 45, 106-10.	0.2	18
27	Detection, Isolation and Partial Characterization of Antifungal Compound(s) Produced by <i>Pediococcus acidilactici</i> LAB 5. <i>Natural Product Communications</i> , 2007, 2, 1934578X0700200.	0.2	17
28	Study of hydrogen bonding interaction of acridine orange with different acceptor molecules by spectroscopic, theoretical, and antimicrobial studies. <i>Journal of Molecular Structure</i> , 2019, 1177, 418-429.	1.8	16
29	Field application of two plant growth promoting rhizobacteria with potent antifungal properties. <i>Rhizosphere</i> , 2017, 3, 170-175.	1.4	15
30	Enhanced biogas production from <i>Lantana camara</i> via bioaugmentation of cellulolytic bacteria. <i>Bioresource Technology</i> , 2021, 340, 125652.	4.8	15
31	Polyphenolic extract of <i>Termitomyces heimii</i> : antioxidant activity and phytochemical constituents. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2016, 11, 25-31.	0.5	14
32	ASSESSMENT OF ANTIBACTERIAL ACTIVITIES OF PEDIOCIN PRODUCED BY <i>PEDIOCOCCLUS ACIDILACTICI</i> LAB 5. <i>Journal of Food Safety</i> , 2010, 30, 635-651.	1.1	12
33	Evaluation of indigenous rhizobacterial strains with reduced dose of chemical fertilizer towards growth and yield of mustard (<i>Brassica campestris</i>) under old alluvial soil zone of West Bengal, India. <i>Annals of Agrarian Science</i> , 2017, 15, 447-452.	1.2	9
34	A comparative antibacterial evaluation of raw and processed <i>Gui½ja</i> (<i>Abrus precatorius</i> Linn.) seeds. <i>Ancient Science of Life: Journal of International Institute of Ayurveda</i> , 2012, 32, 20.	0.3	8
35	Use of Bacteriocin Producing <i>Lactococcus lactis</i> subsp. <i>lactis</i> LABW4 to Prevent <i>Listeria monocytogenes</i> Induced Spoilage of Meat. <i>Food and Nutrition Sciences (Print)</i> , 2014, 05, 2115-2123.	0.2	8
36	Anti-bacterial activity of <i>Achatina</i> CRP and its mechanism of action. <i>Indian Journal of Experimental Biology</i> , 2014, 52, 692-704.	0.5	7

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37	Beneficial properties of crude polysaccharides from <i>Termitomyces medius</i> of West Bengal to scavenge free radicals as well as boost immunity: A new report. <i>Research Journal of Pharmacy and Technology</i> , 2021, 14, 1073-1078.	0.2	6
38	Endophytic Microbes and Their Role to Overcome Abiotic Stress in Crop Plants. , 2020, , 109-122.		5
39	Structural-genetic insight and optimization of protease production from a novel strain of <i>Aeromonas veronii</i> CMF, a gut isolate of <i>Chrysomya megacephala</i> . <i>Archives of Microbiology</i> , 2021, 203, 2961-2977.	1.0	5
40	Partial characterization of novel inulin-like prebiotic fructooligosaccharides of <i>Sechium edule</i> (Jacq.) Sw. (Cucurbitaceae) tuberous roots. <i>Journal of Food Biochemistry</i> , 2021, 45, e13764.	1.2	5
41	Use of Plant Growth-Promoting Burkholderia Species With Rock Phosphate-Solubilizing Potential Toward Crop Improvement. , 2020, , 139-156.		5
42	Augmented growth of Cd-stressed rice seedlings with the application of phytostimulating, root-colonizing, Cd-tolerant, leaf-endophytic fungi <i>Colletotrichum</i> spp. isolated from <i>Eupatorium triplinerve</i> . <i>Journal of Hazardous Materials</i> , 2022, 438, 129508.	6.5	5
43	Change of Carbon Metabolic Activity of <i>Rhizobium</i> Under Carbon Starvation. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2006, 15, 67-69.	0.9	4
44	Suppression of Leaf Blight of <i>Ocimum sanctum</i> L. Using Lactic Acid Bacteria as Novel Bio-control Agent. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018, 88, 1389-1397.	0.4	4
45	Fungal Bioagents in the Remediation of Degraded Soils. , 2020, , 191-205.		4
46	Novel fructooligosaccharides of <i>Dioscorea alata</i> L. tuber have prebiotic potentialities. <i>European Food Research and Technology</i> , 0, , 1.	1.6	4
47	Characterization of two new strains of <i>Lactococcus lactis</i> for their probiotic efficacy over commercial synbiotics consortia. <i>Brazilian Journal of Microbiology</i> , 2022, , 1.	0.8	4
48	BIOLOGICAL ACTIVITIES OF <i>ALTERNARIA</i> SP. RL4 – A POTENT ENDOPHYTIC FUNGUS ASSOCIATED WITH <i>RAUVOLFIA SERPENTINA</i> L. BENTH.. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 178.	0.3	3
49	Broad-spectrum antimicrobial efficacy of <i>Pediococcus acidilactici</i> LAB001 against food spoilage and toxigenic bacteria and fungi. <i>Journal of Food Processing and Preservation</i> , 2021, 45, .	0.9	3
50	Enzymes of carbohydrate metabolism in root-nodule bacteria during growth on acetate. <i>Journal of Basic Microbiology</i> , 1999, 39, 253-256.	1.8	2
51	Green Synthesis of Silver Nanoparticles from several NTFP Plants. <i>Notulae Scientia Biologicae</i> , 2016, 8, 106-111.	0.1	2
52	Antioxidative Activity, Mycochemical, and Phenolic Profile of <i>Termitomyces clypeatus</i> , a Wild Edible Mushroom from the Lateritic Zone of West Bengal. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2017, 23, 1-8.	0.5	2
53	Beneficial Role of Plant Growth-Promoting Rhizobacteria in Bioremediation of Heavy Metal(Ioid)-Contaminated Agricultural Fields. <i>Advances in Environmental Microbiology</i> , 2021, , 441-495.	0.1	2
54	Molecular Insight Into Key Eco-Physiological Process in Bioremediating and Plant-Growth-Promoting Bacteria. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	2

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55	Diversity of Chitinase-Producing Bacteria and Their Possible Role in Plant Pest Control. , 2019, , 457-491.		2
56	Phytochemical Study and Antioxidative property of Polyphenol Rich Fraction from <i>Termitomyces medius</i> . Research Journal of Pharmacy and Technology, 2019, 12, 4287.	0.2	2
57	New Health Potentials of Orally Consumed Probiotic Microorganisms. Microbiology Monographs, 2011, , 167-189.	0.3	1
58	Bio-Based Technologies to Combat Emerging Environmental Contaminants. , 2021, , 323-356.		1
59	Quorum sensing in rhizosphere engineering. , 2022, , 355-381.		1
60	ASSESSMENT OF ANTIMICROBIAL AND ANTIOXIDANT ACTIVITIES OF A SPECIES OF ASPERGILLUS: AN ENDOPHYTIC FUNGUS OF SCHIMA WALLICHII (DC.) KORTH. LEAVES. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 361.	0.3	0
61	Structural heterogeneity assessment among the isoforms of fungal 1-aminocyclopropane-1-carboxylic acid (ACC) deaminase: a comparative in silico perspective. Journal of Genetic Engineering and Biotechnology, 2022, 20, 18.	1.5	0