Narayan C Mandal

List of Publications by Year
in descending order

61	1,027	430754 18	477173 29
papers	citations	h-index	g-index

62	62	62	1230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insect gut bacteria: a promising tool for enhanced biogas production. Reviews in Environmental Science and Biotechnology, 2022, 21, 1-25.	3.9	20
2	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
3	Characterization of two new strains of Lactococcus lactis for their probiotic efficacy over commercial synbiotics consortia. Brazilian Journal of Microbiology, 2022, , 1.	0.8	4
4	Quorum sensing in rhizosphere engineering. , 2022, , 355-381.		1
5	Augmented growth of Cd-stressed rice seedlings with the application of phytostimulating, root-colonizing, Cd-tolerant, leaf-endophytic fungi Colletotrichum spp. isolated from Eupatorium triplinerve. Journal of Hazardous Materials, 2022, 438, 129508.	6.5	5
6	Broadâ€spectrum antimicrobial efficacy of Pediococcus acidilactici LAB001 against food spoilage and toxigenic bacteria and fungi. Journal of Food Processing and Preservation, 2021, 45, .	0.9	3
7	Bio-Based Technologies to Combat Emerging Environmental Contaminants. , 2021, , 323-356.		1
8	Beneficial Role of Plant Growth-Promoting Rhizobacteria in Bioremediation of Heavy Metal(loid)-Contaminated Agricultural Fields. Advances in Environmental Microbiology, 2021, , 441-495.	0.1	2
9	Beneficial properties of crude polysaccharides from Termitomyces medius of West Bengal to scavenge free radicals as well as boost immunity: A new report. Research Journal of Pharmacy and Technology, 2021, 14, 1073-1078.	0.2	6
10	Structural-genetic insight and optimization of protease production from a novel strain of Aeromonas veronii CMF, a gut isolate of Chrysomya megacephala. Archives of Microbiology, 2021, 203, 2961-2977.	1.0	5
11	Mechanochemical Synthesis and Antimicrobial Studies of 4-Hydroxy-3-thiomethylcoumarins Using Imidazolium Zwitterionic Molten Salt as an Organocatalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 5557-5569.	3.2	29
12	Biological control of early blight disease of potato caused by Alternaria alternata EBP3 by an endophytic bacterial strain Bacillus velezensis SEB1. Biological Control, 2021, 156, 104551.	1.4	21
13	Partial characterization of novel inulinâ€like prebiotic fructooligosaccharides of Sechium edule (Jacq.) Sw. (Cucurbitaceae) tuberous roots. Journal of Food Biochemistry, 2021, 45, e13764.	1.2	5
14	Molecular Insight Into Key Eco-Physiological Process in Bioremediating and Plant-Growth-Promoting Bacteria. Frontiers in Agronomy, 2021, 3, .	1.5	2
15	Unraveling the heavy metal resistance and biocontrol potential of Pseudomonas sp. K32 strain facilitating rice seedling growth under Cd stress. Chemosphere, 2021, 274, 129819.	4.2	47
16	Induction of monoamine oxidase A-mediated oxidative stress and impairment of NRF2-antioxidant defence response by polyphenol-rich fraction of Bergenia ligulata sensitizes prostate cancer cells in vitro and in vivo. Free Radical Biology and Medicine, 2021, 172, 136-151.	1.3	19
17	Bacillus siamensis CNE6- a multifaceted plant growth promoting endophyte of Cicer arietinum L. having broad spectrum antifungal activities and host colonizing potential. Microbiological Research, 2021, 252, 126859.	2.5	25
18	Enhanced biogas production from Lantana camara via bioaugmentation of cellulolytic bacteria. Bioresource Technology, 2021, 340, 125652.	4.8	15

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19	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. Journal of Molecular Liquids, 2020, 299, 112217.	2.3	39
20	Inhibition of biofilm- and hyphal- development, two virulent features of Candida albicans by secondary metabolites of an endophytic fungus Alternaria tenuissima having broad spectrum antifungal potential. Microbiological Research, 2020, 232, 126386.	2.5	20
21	Endophytic Microbes and Their Role to Overcome Abiotic Stress in Crop Plants. , 2020, , 109-122.		5
22	Fungal Bioagents in the Remediation of Degraded Soils. , 2020, , 191-205.		4
23	Use of Plant Growthâ€“Promoting Burkholderia Species With Rock Phosphateâ€“Solubilizing Potential Toward Crop Improvement. , 2020, , 139-156.		5
24	Phosphate deficiency induced biofilm formation of Burkholderia on insoluble phosphate granules plays a pivotal role for maximum release of soluble phosphate. Scientific Reports, 2019, 9, 5477.	1.6	20
25	Production of bioactive compounds with bactericidal and antioxidant potential by endophytic fungus Alternaria alternata AE1 isolated from Azadirachta indica A. Juss.. PLoS ONE, 2019, 14, e0214744.	1.1	55
26	Study of hydrogen bonding interaction of acridine orange with different acceptor molecules by spectroscopic, theoretical, and antimicrobial studies. Journal of Molecular Structure, 2019, 1177, 418-429.	1.8	16
27	Diversity of Chitinase-Producing Bacteria and Their Possible Role in Plant Pest Control. , 2019, , 457-491.		2
28	Phytochemical Study and Antioxidative property of Polyphenol Rich Fraction from Termitomyces medius. Research Journal of Pharmacy and Technology, 2019, 12, 4287.	0.2	2
29	Suppression of Leaf Blight of Ocimum sanctum L. Using Lactic Acid Bacteria as Novel Bio-control Agent. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 1389-1397.	0.4	4
30	BIOLOGICAL ACTIVITIES OF ALTERNARIA SP. RL4 â€“ A POTENT ENDOPHYTIC FUNGUS ASSOCIATED WITH RAUVOLFIA SERPENTINA L. BENTH.. Asian Journal of Pharmaceutical and Clinical Research, 2018, 11, 178.	0.3	3
31	Production optimization of broad spectrum bacteriocin of three strains of Lactococcus lactis isolated from homemade buttermilk. Annals of Agrarian Science, 2018, 16, 286-296.	1.2	29
32	Field application of two plant growth promoting rhizobacteria with potent antifungal properties. Rhizosphere, 2017, 3, 170-175.	1.4	15
33	Evaluation of indigenous rhizobacterial strains with reduced dose of chemical fertilizer towards growth and yield of mustard (Brassica campestris) under old alluvial soil zone of West Bengal, India. Annals of Agrarian Science, 2017, 15, 447-452.	1.2	9
34	Antioxidative Activity, Mycochemical, and Phenolic Profile ofTermitomyces clypeatus, a Wild Edible Mushroom from the Lateritic Zone of West Bengal. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 1-8.	0.5	2
35	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
36	Longterm storage of post-packaged bread by controlling spoilage pathogens using Lactobacillus fermentum C14 isolated from homemade curd. PLoS ONE, 2017, 12, e0184020.	1.1	20

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37	Green Synthesis of Silver Nanoparticles from several NTFP Plants. Notulae Scientia Biologicae, 2016, 8, 106-111.	0.1	2
38	Biological control of Alternaria alternata causing leaf spot disease of Aloe vera using two strains of rhizobacteria. Biological Control, 2016, 97, 102-108.	1.4	32
39	Role of phosphate solubilizing Burkholderia spp. for successful colonization and growth promotion of Lycopodium cernuum L. (Lycopodiaceae) in lateritic belt of Birbhum district of West Bengal, India. Microbiological Research, 2016, 183, 80-91.	2.5	63
40	Polyphenolic extract of Termitomyces heimii: antioxidant activity and phytochemical constituents. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2016, 11, 25-31.	0.5	14
41	Biological control of fruit-rot of jackfruit by rhizobacteria and food grade lactic acid bacteria. Biological Control, 2015, 83, 29-36.	1.4	37
42	Sunlight-induced rapid and efficient biogenic synthesis of silver nanoparticles using aqueous leaf extract of Ocimum sanctum Linn. with enhanced antibacterial activity. Organic and Medicinal Chemistry Letters, 2014, 4, 18.	2.0	44
43	Chronic inflammation and cancer: potential chemoprevention through nuclear factor kappa B and p53 mutual antagonism. Journal of Inflammation, 2014, 11, 23.	1.5	96
44	Use of Bacteriocin Producing <i>Lactococcus lactis</i> subsp. <i>lactis</i> LABW4 to Prevent <i>Listeria monocytogenes</i> Induced Spoilage of Meat. Food and Nutrition Sciences (Print), 2014, 05, 2115-2123.	0.2	8
45	Anti-bacterial activity of Achatina CRP and its mechanism of action. Indian Journal of Experimental Biology, 2014, 52, 692-704.	0.5	7
46	A new pentacyclic triterpene with potent antibacterial activity from Limnophila indica Linn. (Druce). FÃ¬toterapÃ¬Ã¢, 2013, 90, 104-111.	1.1	18
47	Production and partial characterisation of an inducerâ€dependent novel antifungal compound(s) by Pediococcus acidilactici<scp>LAB</scp> 5. Journal of the Science of Food and Agriculture, 2013, 93, 2445-2453.	1.7	29
48	Effect of Fungicides and Insecticides on Growth and Enzyme Activity of Four Cyanobacteria. Indian Journal of Microbiology, 2012, 52, 275-280.	1.5	18
49	A comparative antibacterial evaluation of raw and processed Guï¿½ja (Abrus precatorius Linn.) seeds. Ancient Science of Life: Journal of International Institute of Ayurveda, 2012, 32, 20.	0.3	8
50	New Health Potentials of Orally Consumed Probiotic Microorganisms. Microbiology Monographs, 2011, , 167-189.	0.3	1
51	Isolation and Characterization of Pediocin NV 5 Producing Pediococcus acidilactici LAB 5 from Vacuum-Packed Fermented Meat Product. Indian Journal of Microbiology, 2011, 51, 22-29.	1.5	20
52	Evaluation of the Antimicrobial Potential of Two Flavonoids Isolated from Limnophila Plants. Chemistry and Biodiversity, 2011, 8, 1139-1151.	1.0	20
53	ASSESSMENT OF ANTIBACTERIAL ACTIVITIES OF PEDIOCIN PRODUCED BY PEDIOCOCCUS ACIDILACTICI LAB 5. Journal of Food Safety, 2010, 30, 635-651.	1.1	12
54	Effect of prebiotics on bacteriocin production and cholesterol lowering activity of Pediococcus acidilactici LAB 5. World Journal of Microbiology and Biotechnology, 2009, 25, 1837-1847.	1.7	50

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55	The Study of Cyanobacterial Flora from Geothermal Springs of Bakreswar, West Bengal, India. Algae, 2009, 24, 185-193.	0.9	20
56	Optimized culture conditions for bacteriocin production by Pediococcus acidilactici LAB 5 and its characterization. Indian Journal of Biochemistry and Biophysics, 2008, 45, 106-10.	0.2	18
57	Detection, Isolation and Partial Characterization of Antifungal Compound(s) Produced by Pediococcus acidilactici LAB 5. Natural Product Communications, 2007, 2, 1934578X0700200.	0.2	17
58	Change of Carbon Metabolic Activity of Rhizobium Under Carbon Starvation. Journal of Plant Biochemistry and Biotechnology, 2006, 15, 67-69.	0.9	4
59	Enzymes of carbohydrate metabolism in root-nodule bacteria during growth on acetate. Journal of Basic Microbiology, 1999, 39, 253-256.	1.8	2
60	Succinate-mediated catabolite repression of enzymes of glucose metabolism in root-nodule bacteria. Current Microbiology, 1993, 26, 247-251.	1.0	23
61	Novel fructooligosaccharides of Dioscorea alata L. tuber have prebiotic potentialities. European Food Research and Technology, 0, , 1.	1.6	4