

Hukam S Gehlot

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

541
citations

759233

12
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	An invasive <i>Mimosa</i> in India does not adopt the symbionts of its native relatives. <i>Annals of Botany</i> , 2013, 112, 179-196.	2.9	100
2	Molecular characterization of nitrogen fixing microsymbionts from root nodules of <i>Vachellia</i> (<i>Acacia</i>) <i>jacquemontii</i> , a native legume from the Thar Desert of India. <i>Plant and Soil</i> , 2017, 410, 21-40.	3.7	63
3	Nodulation of legumes from the Thar desert of India and molecular characterization of their rhizobia. <i>Plant and Soil</i> , 2012, 357, 227-243.	3.7	57
4	Nodulated legumes in arid and semi-arid environments: are they important?. <i>Plant Ecology and Diversity</i> , 2010, 3, 211-219.	2.4	54
5	Selection of <i>Bradyrhizobium</i> or <i>Ensifer</i> symbionts by the native Indian caesalpinoid legume <i>Chamaecrista pumila</i> depends on soil pH and other edaphic and climatic factors. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	46
6	Genomic characterization of <i>Ensifer aridi</i> , a proposed new species of nitrogen-fixing rhizobium recovered from Asian, African and American deserts. <i>BMC Genomics</i> , 2017, 18, 85.	2.8	34
7	ZnO nanoparticles induced exopolysaccharide production by <i>B. subtilis</i> strain JCT1 for arid soil applications. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 362-368.	7.5	30
8	Molecular characterization of novel <i>Bradyrhizobium</i> strains nodulating <i>Eriosema chinense</i> and <i>Flemingia vestita</i> , important unexplored native legumes of the sub-Himalayan region (Meghalaya) of India. <i>Systematic and Applied Microbiology</i> , 2017, 40, 334-344.	2.8	25
9	Multi locus sequence analysis and symbiotic characterization of novel <i>Ensifer</i> strains nodulating <i>Tephrosia</i> spp. in the Indian Thar Desert. <i>Systematic and Applied Microbiology</i> , 2016, 39, 534-545.	2.8	24
10	Evaluation of aeroponics for clonal propagation of <i>Caralluma edulis</i> , <i>Leptadenia reticulata</i> and <i>Tylophora indica</i> – three threatened medicinal <i>Asclepiads</i> . <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 365-373.	3.1	18
11	The widely distributed legume tree <i>Vachellia</i> (<i>Acacia</i>) <i>nilotica</i> subsp. <i>indica</i> is nodulated by genetically diverse <i>Ensifer</i> strains in India. <i>Symbiosis</i> , 2020, 80, 15-31.	2.3	16
12	Cloning, Characterization, and Structural Modeling of an Extremophilic Bacterial Lipase Isolated from Saline Habitats of the Thar Desert. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 557-572.	2.9	13
13	Genome sequence of <i>Ensifer</i> sp. TW10; a <i>Tephrosia wallichii</i> (Biyani) microsymbiont native to the Indian Thar Desert. <i>Standards in Genomic Sciences</i> , 2013, 9, 304-314.	1.5	12
14	Growth and Organogenesis in Moth Bean Callus as Affected by Paclobutrazol. <i>Plant and Cell Physiology</i> , 1989, 30, 933-936.	3.1	10
15	Growth and organogenesis in moth bean callus cultures as influenced by triazole growth regulators and gibberellic acid. <i>Journal of Plant Growth Regulation</i> , 1991, 10, 41-45.	5.1	9
16	High-quality permanent draft genome sequence of <i>Ensifer</i> sp. PC2, isolated from a nitrogen-fixing root nodule of the legume tree (Khejri) native to the Thar Desert of India. <i>Standards in Genomic Sciences</i> , 2016, 11, 43.	1.5	7
17	Changes in phytonutrients and antioxidant properties of <i>Cordia myxa</i> and <i>Carissa carandas</i> fruit during ripening. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 72-78.	0.8	5
18	Methods for Isolation and Characterization of Nitrogen-Fixing Legume-Nodulating Bacteria. <i>Methods in Molecular Biology</i> , 2020, 2057, 119-143.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Diversity of Nitrogen-Fixing Symbiotic Rhizobia with Special Reference to Indian Thar Desert. , 2019, , 31-55.		5
20	Evolution of novel strains of <i>Ensifer</i> nodulating the invasive legume <i>Leucaena leucocephala</i> (Lam.) de Wit in different climatic regions of India through lateral gene transfer. FEMS Microbiology Ecology, 2022, 98, .	2.7	4
21	In Vitro Plant Regeneration of <i>Cymbopogon jwarancusa</i> (Jones) Schult from Meristematic Base of Spikelet. The National Academy of Sciences, India, 2014, 37, 131-135.	1.3	2
22	Feasibility of using solar energy for cold production. Journal of Applied Horticulture, 2021, 23, 174-177.	0.2	0