

Bandi B Venkateswarlu

List of Publications by Year in descending order

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87
papers

4,118
citations

172443

29
h-index

118840

62
g-index

87
all docs

87
docs citations

87
times ranked

4102
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated nutrient management improves soil organic matter and agronomic sustainability of semiarid rainfed Inceptisols of the Indo-Gangetic Plains. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 562-572.	1.9	7
2	Soil Quality Assessment under Restorative Soil Management Practices in Soybean (<i>Glycine Max</i>) after Six Years in Semi-Arid Tropical Black Lands of Central India. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1465-1475.	1.4	3
3	Application of Microbiology in Dryland Agriculture. , 2016, , 491-520.		2
4	Allometric models for the estimation of above- and below-ground biomass of <i>Jatropha curcas</i> L. in semi-arid regions of Southern India. <i>International Journal of Green Energy</i> , 2016, 13, 531-537.	3.8	1
5	Effect of Organic Manure and Crop Residue Based Long-Term Nutrient Management Systems on Soil Quality Changes under Sole Finger Millet (<i>Eleusine coracana</i> (L.) Gaertn.) and Groundnut (<i>Arachis hypogaea</i> (L.) Finger Millet Rotation in Rainfed Alfisol. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 899-914.	1.4	11
6	Effect of ten years of reduced tillage and recycling of organic matter on crop yields, soil organic carbon and its fractions in Alfisols of semi arid tropics of southern India. <i>Soil and Tillage Research</i> , 2016, 156, 131-139.	5.6	89
7	Impact of conservation agriculture practices on energy use efficiency and global warming potential in rainfed pigeonpea-castor systems. <i>European Journal of Agronomy</i> , 2015, 66, 30-40.	4.1	93
8	Elevated CO ₂ : Plant associated microorganisms and carbon sequestration. <i>Applied Soil Ecology</i> , 2015, 95, 73-85.	4.3	78
9	Soil test-based nutrient balancing improved crop productivity and rural livelihoods: case study from rainfed semi-arid tropics in Andhra Pradesh, India. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 1051-1066.	2.6	16
10	Effects of Conjunctive Use of Organic and Inorganic Sources of Nutrients on Soil Quality Indicators and Soil Quality Index in Sole Maize, Maize + Soybean, and Sole Soybean Cropping Systems in Hot Semi-arid Tropical Vertisol. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 2118-2140.	1.4	6
11	Agroforestry as a Strategy for Livelihood Security in the Rainfed Areas: Experience and Expectations. <i>Advances in Agroforestry</i> , 2014, , 117-154.	0.8	4
12	LONG-TERM MANURING AND FERTILIZER EFFECTS ON DEPLETION OF SOIL ORGANIC CARBON STOCKS UNDER PEARL MILLET-CLUSTER BEAN-CASTOR ROTATION IN WESTERN INDIA. <i>Land Degradation and Development</i> , 2014, 25, 173-183.	3.9	163
13	Rising minimum temperature trends over India in recent decades: Implications for agricultural production. <i>Global and Planetary Change</i> , 2014, 117, 1-8.	3.5	98
14	Heavy metals concentration in soils under rainfed agro-ecosystems and their relationship with soil properties and management practices. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1959-1972.	3.5	36
15	Potassium release characteristics, potassium balance, and finger millet (<i>Eleusine coracana</i> G.) yield sustainability in a 27- year long experiment on an Alfisol in the semi-arid tropical India. <i>Plant and Soil</i> , 2014, 374, 315-330.	3.7	32
16	Drought stress responses in crops. <i>Functional and Integrative Genomics</i> , 2014, 14, 11-22.	3.5	181
17	Effects of Soil Management Practices on Key Soil Quality Indicators and Indices in Pearl Millet (<i>Pennisetum americanum</i> (L.) Leek) Based System in Hot Semi-arid Inceptisols. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 785-809.	1.4	7
18	Influence of <i>Bacillus</i> spp. strains on seedling growth and physiological parameters of sorghum under moisture stress conditions. <i>Journal of Basic Microbiology</i> , 2014, 54, 951-961.	3.3	92

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19	Effects of Long-Term Fertilizer Application and Rainfall Distribution on Cotton Productivity, Profitability, and Soil Fertility in a Semi-arid Vertisol. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 362-380.	1.4	9
20	Soil carbon sequestration in rainfed production systems in the semiarid tropics of India. <i>Science of the Total Environment</i> , 2014, 487, 587-603.	8.0	68
21	Long-term effects of fertilization and manuring on groundnut yield and nutrient balance of Alfisols under rainfed farming in India. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 96, 29-46.	2.2	15
22	In vitro screening of <i>Vigna mungo</i> genotypes for PEG induced moisture deficit stress. <i>Indian Journal of Plant Physiology</i> , 2013, 18, 55-60.	0.8	6
23	Improvement and Assessment of Soil Quality under Long-Term Conservation Agricultural Practices in Hot, Arid Tropical Aridisol. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 1033-1055.	1.4	8
24	Sustainable Management of Soils of Dryland Ecosystems of India for Enhancing Agronomic Productivity and Sequestering Carbon. <i>Advances in Agronomy</i> , 2013, 121, 253-329.	5.2	106
25	EFFECT OF LONG-TERM USE OF TILLAGE, RESIDUES AND N LEVELS IN SORGHUM (<i>SORGHUM VULGARE</i> (L)) & “CASTOR (<i>RICINUS COMMUNIS</i>) CROPPING SYSTEM UNDER RAINFED CONDITIONS & “ CROP RESPONSES AND ECONOMIC PERFORMANCE & “ PART I. <i>Experimental Agriculture</i> , 2013, 49, 395-415.	0.9	3
26	EFFICIENT TILLAGE AND NUTRIENT MANAGEMENT PRACTICES FOR SUSTAINABLE YIELDS, PROFITABILITY AND ENERGY USE EFFICIENCY FOR RICE-BASED CROPPING SYSTEM IN DIFFERENT SOILS AND AGRO-CLIMATIC CONDITIONS. <i>Experimental Agriculture</i> , 2013, 49, 161-178.	0.9	13
27	Sunflower traits response to elevated CO ₂ levels under cool and warm season conditions. <i>Helia</i> , 2013, 36, 85-98.	0.4	0
28	Response of multiple generations of semilooper, <i>Achaea janata</i> feeding on castor to elevated CO ₂ . <i>Journal of Environmental Biology</i> , 2013, 34, 877-83.	0.5	8
29	Long-term Effects of Soil Fertility Management on Carbon Sequestration in a Rice-Lentil Cropping System of the Indo-Gangetic Plains. <i>Soil Science Society of America Journal</i> , 2012, 76, 168-178.	2.2	81
30	EFFICIENT TILLAGE AND NUTRIENT PRACTICES FOR SUSTAINABLE PEARL MILLET PRODUCTIVITY IN DIFFERENT SOIL AND AGRO-CLIMATIC CONDITIONS. <i>Experimental Agriculture</i> , 2012, 48, 1-20.	0.9	15
31	Sustaining agronomic productivity and quality of a Vertisolic soil (Vertisol) under soybean-safflower cropping system in semi-arid central India. <i>Canadian Journal of Soil Science</i> , 2012, 92, 771-785.	1.2	26
32	DETERMINATION OF OPTIMUM PHOSPHORUS LEVEL FOR GRAIN SORGHUM USING EXTERNAL AND INTERNAL RESPONSE INDICATORS IN RAINFED SEMI-ARID TROPICAL ALFISOL. <i>Journal of Plant Nutrition</i> , 2012, 35, 854-873.	1.9	1
33	Modeling of Interactive Effects of Rainfall, Evaporation, Soil Temperature, and Soil Fertility for Sustainable Productivity of Sorghum + Cowpea and Cotton + Black Gram Intercrops under Rotation Trials in a Rain-Fed Semi-arid Vertisol. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 756-787.	1.4	9
34	Impact of Elevated CO ₂ on Tobacco Caterpillar, <i>Spodoptera litura</i> on Peanut, <i>Arachis hypogaea</i> . <i>Journal of Insect Science</i> , 2012, 12, 1-10.	0.9	26
35	A New Record of Longicorn Beetle, <i>Acanthophorus rugiceps</i> , from India as a Root Borer on Physic Nut, <i>Jatropha curcas</i> , with a Description of Life Stages, Biology, and Seasonal Dynamics. <i>Journal of Insect Science</i> , 2012, 12, 1-7.	0.9	3
36	Soil Carbon Dioxide Emissions from Sorghum-Sunflower Rotation in Rainfed Semi-arid Tropical Alfisols: Effects of Fertilization Rate and Legume Biomass Incorporation. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 1915-1929.	1.4	1

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37	Grain yield and carbon sequestration potential of post monsoon sorghum cultivation in Vertisols in the semi arid tropics of central India. <i>Geoderma</i> , 2012, 175-176, 90-97.	5.1	44
38	Characterization of rhizobial isolates nodulating <i>Millettia pinnata</i> in India. <i>FEMS Microbiology Letters</i> , 2012, 336, 148-158.	1.8	16
39	Overview of Plant Stresses: Mechanisms, Adaptations and Research Pursuit. , 2012, , 1-18.		11
40	In silico targeted genome mining and comparative modelling reveals a putative protein similar to an Arabidopsis drought tolerance DNA binding transcription factor in Chromosome 6 of Sorghum bicolor genome. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2012, 4, 133-141.	3.6	6
41	Effect of temperature on development, survival and reproduction of the mealybug, <i>Phenacoccus solenopsis</i> Tinsley (Hemiptera: Pseudococcidae) on cotton. <i>Crop Protection</i> , 2012, 39, 81-88.	2.1	42
42	Soil carbon sequestration and agronomic productivity of an Alfisol for a groundnut-based system in a semiarid environment in southern India. <i>European Journal of Agronomy</i> , 2012, 43, 40-48.	4.1	54
43	Dryland Agriculture: Bringing Resilience to Crop Production Under Changing Climate. , 2012, , 19-44.		16
44	Constraints and Suggestions in Adopting Seasonal Climate Forecasts by Farmers in South India. <i>Journal of Agricultural Education and Extension</i> , 2011, 17, 153-163.	2.2	11
45	Use of ground based hyperspectral remote sensing for detection of stress in cotton caused by leafhopper (Hemiptera: Cicadellidae). <i>Computers and Electronics in Agriculture</i> , 2011, 79, 189-198.	7.7	90
46	On-farm evaluation of two fast growing trees for biomass production for industrial use in Andhra Pradesh, Southern India. <i>New Forests</i> , 2011, 42, 51-61.	1.7	5
47	Role of microorganisms in adaptation of agriculture crops to abiotic stresses. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1231-1240.	3.6	541
48	Diversity and variability in seed characters and growth of <i>Pongamia pinnata</i> (L.) Pierre accessions. <i>Trees - Structure and Function</i> , 2011, 25, 725-734.	1.9	19
49	Optimum stand density of <i>Leucaena leucocephala</i> for wood production in Andhra Pradesh, Southern India. <i>Biomass and Bioenergy</i> , 2011, 35, 227-235.	5.7	23
50	Effect of Soil and Nutrient-Management Treatments on Soil Quality Indices under Cotton-Based Production System in Rainfed Semi-arid Tropical Vertisol. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 1298-1315.	1.4	23
51	Influence of Soil and Fertilizer Nutrients on Sustainability of Rainfed Finger Millet Yield and Soil Fertility in Semi-arid Alfisols. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 1462-1483.	1.4	28
52	Assessing Soil Quality in a Semiarid Tropical Watershed Using a Geographic Information System. <i>Soil Science Society of America Journal</i> , 2011, 75, 1144-1160.	2.2	26
53	Effect of osmotic stress on plant growth promoting <i>Pseudomonas</i> spp.. <i>Archives of Microbiology</i> , 2010, 192, 867-876.	2.2	55
54	Tree row spacing affected agronomic and economic performance of Eucalyptus-based agroforestry in Andhra Pradesh, Southern India. <i>Agroforestry Systems</i> , 2010, 78, 253-267.	2.0	39

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55	Metabolic engineering using mtID gene enhances tolerance to water deficit and salinity in sorghum. <i>Biologia Plantarum</i> , 2010, 54, 647-652.	1.9	42
56	Effect of plant growth promoting <i>Pseudomonas</i> spp. on compatible solutes, antioxidant status and plant growth of maize under drought stress. <i>Plant Growth Regulation</i> , 2010, 62, 21-30.	3.4	483
57	EFFECT OF MODIFICATION OF TREE DENSITY AND GEOMETRY ON INTERCROP YIELDS AND ECONOMIC RETURNS IN LEUCAENA-BASED AGRO-FORESTRY SYSTEMS FOR WOOD PRODUCTION IN ANDHRA PRADESH, SOUTHERN INDIA. <i>Experimental Agriculture</i> , 2010, 46, 155-172.	0.9	8
58	High Frequency Induction of Multiple Shoots and Plant Regeneration from Cotyledonary Nodal Explant of Mung Bean [<i>Vigna radiata</i> (L) Wilczek]. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2010, 19, 267-270.	1.7	5
59	Drought Hazards and Mitigation Measures. , 2010, , 197-236.		5
60	Strategies for Improving the Productivity of Rainfed Farms in India with Special Emphasis on Soil Quality Improvement. <i>Journal of Crop Improvement</i> , 2009, 23, 430-450.	1.7	7
61	Influence of Tillage and Nutrient Sources on Yield Sustainability and Soil Quality under Sorghum-Mung Bean System in Rainfed Semi-Arid Tropics. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 2579-2602.	1.4	25
62	Carbon Stocks in Different Soil Types under Diverse Rainfed Production Systems in Tropical India. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 2338-2356.	1.4	49
63	Can microbes help crops cope with climate change?. <i>Indian Journal of Microbiology</i> , 2009, 49, 297-298.	2.7	4
64	Alleviation of drought stress effects in sunflower seedlings by the exopolysaccharides producing <i>Pseudomonas putida</i> strain GAP-P45. <i>Biology and Fertility of Soils</i> , 2009, 46, 17-26.	4.3	508
65	<i>Pseudomonas</i> sp. strain AKM-P6 enhances tolerance of sorghum seedlings to elevated temperatures. <i>Biology and Fertility of Soils</i> , 2009, 46, 45-55.	4.3	213
66	Mycorrhizal inoculation in neem (<i>Azadirachta indica</i>) enhances azadirachtin content in seed kernels. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1243-1247.	3.6	17
67	Effects of long-term legume cover crop incorporation on soil organic carbon, microbial biomass, nutrient build-up and grain yields of sorghum/sunflower under rain-fed conditions. <i>Soil Use and Management</i> , 2007, 23, 100-107.	4.9	37
68	Seed inoculation with <i>Bacillus</i> spp. improves seedling vigour in oil-seed plant <i>Jatropha curcas</i> L.. <i>Biology and Fertility of Soils</i> , 2007, 44, 229-234.	4.3	7
69	Phosphorus and Micronutrient Nutrition of Chickpea Genotypes in a Multi-Nutrient-Deficient Typic Ustochrept. <i>Journal of Plant Nutrition</i> , 2006, 29, 747-763.	1.9	34
70	Efficient plant regeneration from shoot apices of sorghum. <i>Biologia Plantarum</i> , 2006, 50, 741-744.	1.9	20
71	Molecular analysis of micropropagated neem plants using aflp markers for ascertaining clonal fidelity. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002, 38, 519-524.	2.1	18
72	Micropropagation of <i>Paulownia fortunei</i> through in vitro axillary shoot proliferation. <i>Indian Journal of Experimental Biology</i> , 2001, 39, 594-9.	0.0	2

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73	Prediction of nitrogen availability in soil after crop residue incorporation. Fertilizer Research, 1993, 34, 209-215.	0.5	15
74	Cell membrane stability and biochemical response of cultured cells of groundnut under polyethylene glycol-induced water stress. Plant Science, 1993, 90, 179-185.	3.6	19
75	Green leaf manuring as an alternative nitrogen source for castor bean on marginal soils of India. Renewable Agriculture and Food Systems, 1991, 6, 132-138.	0.5	0
76	Nodulation and N ₂ (C ₂ H ₂) fixation in cowpea and groundnut during water stress and recovery. Field Crops Research, 1990, 25, 223-232.	5.1	32
77	Effects of water deficit on N ₂ (C ₂ H ₂) fixation in cowpea and groundnut. Plant and Soil, 1989, 114, 69-74.	3.7	44
78	Nitrogen fixation as influenced by water stress in selected crop legumes of the Indian Arid Zone. Arid Land Research and Management, 1987, 1, 89-96.	0.3	18
79	Quantitative effects of field water deficits on N ₂ (C ₂ H ₂) fixation in selected legumes grown in the Indian desert. Biology and Fertility of Soils, 1987, 5, 18.	4.3	10
80	Most probable numbers of Azospirillum associated with the roots of inoculated pearl millet. Plant and Soil, 1985, 88, 153-158.	3.7	10
81	Interactions between the root exudates of pearl millet and Azospirillum brasilense. Proceedings of the Indian Academy of Sciences - Section A Part 3 Mathematical Sciences, 1985, 95, 237-245.	0.1	4
82	Response of pearl millet to inoculation with different strains of Azospirillum brasilense. Plant and Soil, 1983, 74, 379-386.	3.7	22
83	Microbial ecology of the soils of Indian desert. Agriculture, Ecosystems and Environment, 1983, 10, 361-369.	5.3	25
84	Effect of water stress on nodulation and nitrogenase activity of guar (Cyamopsis tetragonoloba (L.)) Tj ETQqO O O rgBT /Overlock 10 Tf 5 297-301.	0.1	23
85	Associative symbiosis of Azospirillum lipoferum with dicotyledonous succulent plants of the Indian desert. Canadian Journal of Microbiology, 1982, 28, 778-782.	1.7	30
86	Soil Quality and Productivity Improvement Under Rainfed Conditions – Indian Perspectives. , 0, , .		9
87	Influence of 16 years of fertilization and manuring on carbon sequestration and agronomic productivity of groundnut in vertisol of semi-arid tropics of Western India. Carbon Management, 0, , 1-12.	2.4	7