Yashbir Singh Shivay

List of Publications by Year
in descending order

96	2,569	218677	223800
papers	citations	26 h-index	46 g-index

96	96	96	1629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biofortification of wheat through inoculation of plant growth promoting rhizobacteria and cyanobacteria. European Journal of Soil Biology, 2012, 50, 118-126.	3.2	300
2	Influence of co-inoculation of bacteria-cyanobacteria on crop yield and Câ€“N sequestration in soil under rice crop. World Journal of Microbiology and Biotechnology, 2012, 28, 1223-1235.	3.6	131
3	Evaluating the influence of novel cyanobacterial biofilmed biofertilizers on soil fertility and plant nutrition in wheat. European Journal of Soil Biology, 2013, 55, 107-116.	3.2	125
4	Cyanobacteria mediated plant growth promotion and bioprotection against Fusarium wilt in tomato. European Journal of Plant Pathology, 2013, 136, 337-353.	1.7	117
5	Relative yield and zinc uptake by rice from zinc sulphate and zinc oxide coatings onto urea. Nutrient Cycling in Agroecosystems, 2008, 80, 181-188.	2.2	86
6	Effect of zinc-enriched urea on productivity, zinc uptake and efficiency of an aromatic riceâ€“wheat cropping system. Nutrient Cycling in Agroecosystems, 2008, 81, 229-243.	2.2	85
7	Evaluating the efficacy of cyanobacterial formulations and biofilmed inoculants for leguminous crops. Archives of Agronomy and Soil Science, 2014, 60, 349-366.	2.6	82
8	Beneficial cyanobacteria and eubacteria synergistically enhance bioavailability of soil nutrients and yield of okra. Heliyon, 2016, 2, e00066.	3.2	76
9	Micronutrient enrichment mediated by plant-microbe interactions and rice cultivation practices. Journal of Plant Nutrition, 2016, 39, 1216-1232.	1.9	74
10	Cyanobacterial inoculation elicits plant defense response and enhanced Zn mobilization in maize hybrids. Cogent Food and Agriculture, 2015, 1, 998507.	1.4	66
11	Enhancing soil nutrient dynamics and productivity of Basmati rice through residue incorporation and zinc fertilization. European Journal of Agronomy, 2012, 41, 28-37.	4.1	65
12	Prospecting plant growth promoting bacteria and cyanobacteria as options for enrichment of macro- and micronutrients in grains in riceâ€“wheat cropping sequence. Cogent Food and Agriculture, 2015, 1, 1037379.	1.4	62
13	ZINC-COATED UREA IMPROVES PRODUCTIVITY AND QUALITY OF BASMATI RICE (ORYZA SATIVA L.) UNDER ZINC STRESS CONDITION. Journal of Plant Nutrition, 2012, 35, 928-951.	1.9	60
14	EVALUATING THE ESTABLISHMENT AND AGRONOMIC PROFICIENCY OF CYANOBACTERIAL CONSORTIA AS ORGANIC OPTIONS IN WHEATâ€“RICE CROPPING SEQUENCE. Experimental Agriculture, 2013, 49, 416-434.	0.9	56
15	Biofortificationâ€”A Frontier Novel Approach to Enrich Micronutrients in Field Crops to Encounter the Nutritional Security. Molecules, 2022, 27, 1340.	3.8	51
16	Cyanobacterial inoculation in rice grown under flooded and SRI modes of cultivation elicits differential effects on plant growth and nutrient dynamics. Ecological Engineering, 2015, 84, 532-541.	3.6	50
17	Cyanobacterial inoculation modifies the rhizosphere microbiome of rice planted to a tropical alluvial soil. Applied Soil Ecology, 2016, 108, 195-203.	4.3	49
18	Relative efficiency of zinc oxide and zinc sulphate-enriched urea for spring wheat. Nutrient Cycling in Agroecosystems, 2008, 82, 259-264.	2.2	48

#	Article	IF	Citations
19	GENOTYPIC VARIATION FOR PRODUCTIVITY, ZINC UTILIZATION EFFICIENCIES, AND KERNEL QUALITY IN AROMATIC RICES UNDER LOW AVAILABLE ZINC CONDITIONS. Journal of Plant Nutrition, 2010, 33, 1835-1848.	1.9	45
20	ENRICHMENT OF BASMATI RICE GRAIN AND STRAW WITH ZINC AND NITROGEN THROUGH FERTI-FORTIFICATION AND SUMMER GREEN MANURING UNDER INDO-GANGETIC PLAINS OF INDIA. Journal of Plant Nutrition, 2013, 36, 91-117.	1.9	42
21	Soil fertility and establishment potential of inoculated cyanobacteria in rice crop grown under non-flooded conditions. Paddy and Water Environment, 2013, 11, 175-183.	1.8	41
22	Effects of Source and Method of Zinc Application on Yield, Zinc Biofortification of Grain, and Zn Uptake and Use Efficiency in Chickpea (Cicer arietinumL.). Communications in Soil Science and Plant Analysis, 2015, 46, 2191-2200.	1.4	39
23	Relative Efficiency of Zinc-Coated Urea and Soil and Foliar Application of Zinc Sulphate on Yield, Nitrogen, Phosphorus, Potassium, Zinc and Iron Biofortification in Grains and Uptake by Basmati Rice (Oryza sativa L.). Journal of Agricultural Science, 2015, 7, .	0.2	34
24	Relative Efficiency of Zinc Sulfate and Zinc Oxideâ€“Coated Urea in Riceâ€“Wheat Cropping System. Communications in Soil Science and Plant Analysis, 2008, 39, 1154-1167.	1.4	32
25	Agronomic biofortification of plant foods with minerals, vitamins and metabolites with chemical fertilizers and liming. Journal of Plant Nutrition, 2020, 43, 1534-1554.	1.9	32
26	Rhizospheric Flora and the Influence of Agronomic Practices on Them: A Review. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2013, 83, 1-14.	1.0	28
27	Prospecting cyanobacterial formulations as plant-growth-promoting agents for maize hybrids. South African Journal of Plant and Soil, 2015, 32, 199-207.	1.1	27
28	Zinc Fortification of Oat Grains Through Zinc Fertilisation. Agricultural Research, 2013, 2, 375-381.	1.7	26
29	Zinc Fertilization of Cereals for Increased Production and Alleviation of Zinc Malnutrition in India. Agricultural Research, 2013, 2, 111-118.	1.7	25
30	Synergistic action of PGP agents and Rhizobium spp. for improved plant growth, nutrient mobilization and yields in different leguminous crops. Biocatalysis and Agricultural Biotechnology, 2015, 4, 456-464.	3.1	24
31	Relative Efficiency of Zinc Sulphate and Chelated Zinc on Zinc Biofortification of Rice Grains and Zinc Use-Efficiency in Basmati Rice. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2016, 86, 973-984.	1.0	24
32	Effect of nitrogen levels and coated urea on growth, yields and nitrogen use efficiency in aromatic rice. Journal of Plant Nutrition, 2016, 39, 875-882.	1.9	24
33	Response of wheat genotypes to zinc fertilization for improving productivity and quality. Archives of Agronomy and Soil Science, 2017, 63, 1597-1612.	2.6	23
34	Sulphur in Soil, Plant and Human Nutrition. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 429-434.	1.0	22
35	Zinc partitioning in basmati rice varieties as influenced by Zn fertilization. Crop Journal, 2018, 6, 136-147.	5.2	22
36	Residual effect of summer green manure crops and Zn fertilization on quality and Zn concentration of durum wheat (Triticum durumDesf.) under a Basmati riceâ€“durum wheat cropping system. Biological Agriculture and Horticulture, 2013, 29, 271-287.	1.0	21

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37	Summer green-manuring crops and zinc fertilization on productivity and economics of basmati rice (Oryza sativaL.). Archives of Agronomy and Soil Science, 2012, 58, 593-616.	2.6	20
38	Microbial inoculants as plant growth stimulating and soil nutrient availability enhancing options for cucumber under protected cultivation. World Journal of Microbiology and Biotechnology, 2019, 35, 51.	3.6	20
39	Priming maize seeds with cyanobacteria enhances seed vigour and plant growth in elite maize inbreds. 3 Biotech, 2020, 10, 154.	2.2	20
40	Soil Health and Its Improvement Through Novel Agronomic and Innovative Approaches. Frontiers in Agronomy, 2021, 3, .	3.3	19
41	Nutrient removal by riceâ€“wheat cropping system as influenced by crop establishment techniques and fertilization options in conjunction with microbial inoculation. Scientific Reports, 2020, 10, 21944.	3.3	19
42	Effect of Levels and Sources of Sulfur on Yield, Sulfur and Nitrogen Concentration and Uptake and S-Use Efficiency inBasmatiRice. Communications in Soil Science and Plant Analysis, 2014, 45, 2468-2479.	1.4	18
43	Mode of application influences the biofertilizing efficacy of cyanobacterial biofilm formulations in chrysanthemum varieties under protected cultivation. Open Agriculture, 2018, 3, 478-489.	1.7	18
44	Biofortification with Microorganisms: Present Status and Future Challenges. , 2016, , 249-262.		16
45	Coated Urea Materials for Improving Yields, Profitability, and Nutrient Use Efficiencies of Aromatic Rice. Global Challenges, 2019, 3, 1900013.	3.6	15
46	Zinc-Coated Urea for Enhanced Zinc Biofortification, Nitrogen Use Efficiency and Yield of Basmati Rice under Typic Fluvents. Sustainability, 2022, 14, 104.	3.2	15
47	Effect of summer green manuring crops and zinc fertilizer sources on productivity, Zn-uptake and economics of basmati rice. Journal of Plant Nutrition, 2016, 39, 204-218.	1.9	14
48	Microbial inoculation of seeds characteristically shapes the rhizosphere microbiome in desi and kabuli chickpea types. Journal of Soils and Sediments, 2017, 17, 2040-2053.	3.0	14
49	Genetic variability for zinc use efficiency in chickpea as influenced by zinc fertilization. International Journal of Bio-resource and Stress Management, 2014, 5, 31.	0.2	13
50	Influence of Green Manuring and Zinc Fertilization on Quality Parameters of Basmati Rice. Communications in Soil Science and Plant Analysis, 2015, 46, 382-392.	1.4	12
51	Microbial priming elicits improved plant growth promotion and nutrient uptake in pea. Israel Journal of Plant Sciences, 2016, 63, 191-207.	0.5	12
52	RELATIVE PERFORMANCE OF BORON, SULPHUR AND ZINC COATINGS ONTO PRILLED UREA FOR INCREASING PRODUCTIVITY AND NITROGEN USE EFFICIENCY IN MAIZE. Experimental Agriculture, 2018, 54, 577-591.	0.9	12
53	Relative efficiency of diammonium phosphate and mussoorie rock phosphate on productivity and phosphorus balance in a riceâ€“rapeseedâ€“mungbean cropping system. Nutrient Cycling in Agroecosystems, 2010, 86, 199-209.	2.2	11
54	Effects of Green Manures and Zinc Fertilizer Sources on DTPA-Extractable Zinc in Soil and Zinc Content in Basmati Rice Plants at Different Growth Stages. Pedosphere, 2019, 29, 504-515.	4.0	11

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55	Cyanobacterial inoculation in elevated CO2 environment stimulates soil C enrichment and plant growth of tomato. Environmental Technology and Innovation, 2022, 26, 102234.	6.1	9
56	Cyanobacterial Inoculation Enhances Nutrient Use Efficiency and Grain Quality of Basmati Rice in the System of Rice Intensification. ACS Agricultural Science and Technology, 2022, 2, 742-753.	2.3	9
57	Zinc fertilization enhances growth and quality parameters of aromatic rice (Oryza sativa L.) varieties. Indian Journal of Plant Physiology, 2016, 21, 323-332.	0.8	8
58	Interaction effect of nitrogen, phosphorus, and zinc fertilization on growth, yield, and nutrient contents of aromatic rice varieties. Journal of Plant Nutrition, 2018, 41, 2344-2355.	1.9	8
59	Improving Water and Nutrient Use Efficiency in Rice by Changing Crop Establishment Methods, Application of Microbial Inoculations, and Zn Fertilization. Global Challenges, 2019, 3, 1800005.	3.6	8
60	Cyanobacterium-primed Chrysanthemum nursery improves performance of the plant and soil quality. Biology and Fertility of Soils, 2021, 57, 89-105.	4.3	8
61	Residual effects of nitrogen sources, sulfur and boron levels on mungbean (Vigna radiata) in a sunflower (Helianthus annuus)â€“mungbean system. Archives of Agronomy and Soil Science, 2012, 58, 765-776.	2.6	7
62	Agronomic evaluation of mulching and iron nutrition on productivity, nutrient uptake, iron use efficiency and economics of aerobic rice-wheat cropping system. Journal of Plant Nutrition, 2016, 39, 116-135.	1.9	7
63	Nitrogen nutrition and use efficiency in rice as influenced by crop establishment methods, cyanobacterial and phosphate solubilizing bacterial consortia and zinc fertilization. Communications in Soil Science and Plant Analysis, 2019, 50, 1487-1499.	1.4	7
64	Development of Nutrient-Rich Media Through Cyanobacterial Amendment and Their Characterization. Waste and Biomass Valorization, 2020, 11, 6003-6016.	3.4	7
65	Interactions of microbial inoculants with soil and plant attributes for enhancing Fe and Zn biofortification in maize genotypes. Rhizosphere, 2021, 19, 100421.	3.0	7
66	Response of spring wheat to boron-coated urea and its effect on nitrogen use efficiency. Journal of Plant Nutrition, 2017, 40, 1920-1927.	1.9	6
67	Analyses of genetic variability and genotype x cyanobacteria interactions in biofortified maize (Zea) Tj ETQq1 1 0.784314 rgBT /Overlock Agronomy, 2021, 130, 126343.	4.1	6
68	Fortifying nursery soil-less media with cyanobacteria for enhancing the growth of tomato. South African Journal of Botany, 2022, 146, 564-572.	2.5	6
69	Mineralization of copper, manganese and zinc from rock mineral flour and city waste compost for efficient use in organic farming. Plant and Soil, 2010, 326, 425-435.	3.7	5
70	Zinc application and green manuring enhances growth and yield in basmati rice (Oryza sativa L.). Indian Journal of Plant Physiology, 2015, 20, 289-296.	0.8	5
71	Exploring Cropâ€“Microbiome Interactions Towards Improving Symbiotic Performance of Chickpea (Cicer arietinum) Cultivars Using Cyanobacterial Inoculants. Journal of Plant Growth Regulation, 2019, 38, 55-69.	5.1	5
72	RELATIVE EFFICIENCY OF DIAMMONIUM PHOSPHATE AND MUSSOORIE ROCK PHOSPHATE PLUS PHOSPHATE SOLUBILIZING BACTERIA ON PRODUCTIVITY AND PHOSPHORUS BALANCE IN RICE-POTATO-MUNGBEAN CROPPING SYSTEM. Journal of Plant Nutrition, 2010, 33, 998-1015.	1.9	4

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73	Micronutrient Fertilizers for Zinc and Iron Enrichment in Major Food Crops: A Practicable Strategy. , 2016, , 229-236.		4
74	Enhancing phosphorus and iron nutrition of wheat through crop establishment techniques and microbial inoculations in conjunction with fertilization. Soil Science and Plant Nutrition, 2020, 66, 763-771.	1.9	4
75	Effect of Sources, Methods and Time of Application of Zinc on Productivity, Zinc Uptake and Use Efficiency of Oats (Avena Sativa L.) Under Zinc Defficient Condition. Journal of Plant Nutrition, 2015, 38, 1372-1382.	1.9	3
76	Crop Establishment Methods, Use of Microbial Consortia, Biofilms and Zinc Fertilization for Enhancing Productivity and Profitability of Riceâ€“Wheat Cropping System. Agricultural Research, 2019, 8, 44-55.	1.7	3
77	Zinc nutrition of rice as influenced by crop establishment methods, rates of nitrogen and phosphorus fertilization and inoculation with microbial consortia. Journal of Plant Nutrition, 2019, 42, 1967-1981.	1.9	3
78	Cyanobacterial inoculation as resource conserving options for improving the soil nutrient availability and growth of maize genotypes. Archives of Microbiology, 2021, 203, 2393-2409.	2.2	3
79	Advances in understanding iron cycling in soils, uptake/use by plants and ways of optimising iron-use efficiency in crop production. Burleigh Dodds Series in Agricultural Science, 2020, , 307-336.	0.2	3
80	Agronomic Approaches for Biofortification of Staple Food Crops. , 2022, , 483-517.		3
81	Fungal consortium and nitrogen supplementation stimulates soil microbial communities to accelerate in situ degradation of paddy straw. Environmental Sustainability, 2022, 5, 161-171.	2.8	3
82	Rice performance as influenced by crop establishment methods, green organic mulches and rates of nitrogen fertilization along with liquid Azotobacter chroococcum. Journal of Plant Nutrition, 0, , 1-22.	1.9	3
83	Partitioning of photosynthates, N and P in mustard as influenced by nutrient management in fodder sorghum (Sorghum BicolorL.) - mustard (brassica junecaL.) cropping sequence. Archives of Agronomy and Soil Science, 2007, 53, 553-565.	2.6	2
84	Productivity and sustainability of mustard (Brassica junceaL.) and lentil (Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (c levels under rainfed conditions. Archives of Agronomy and Soil Science, 2009, 55, 183-196.	2.6	2
85	Effect of Conditioning Zinc Sulfate Heptahydrate (ZnSHH) with Zinc Oxide (ZnO) and Neem Oil on Growth, Productivity, Zinc Biofortification of Grain and Zinc Uptake by Basmati Rice. Journal of Plant Nutrition, 2014, 37, 1873-1884.	1.9	2
86	Nutrient management options modulating soil physico-chemical and biological properties under direct-seeded rice-based cropping systems. Archives of Agronomy and Soil Science, 2020, , 1-16.	2.6	2
87	Scientific and Medical Research Support can Increase Export Earnings from Turmeric (Curcuma) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	2
88	Cyanobacterium-amended mixes as priming options for stimulating growth and improving nutrient availability in nursery-grown Chrysanthemum rooted stem cuttings. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	2
89	Viable Options for Diversification of Rice in Non-conventional Riceâ€“conventional Wheat Cropping System in Indo-Gangetic Plains. International Journal of Bio-resource and Stress Management, 2019, 10, 352-363.	0.2	2
90	Improving micronutrient density in basmati rice and durum wheat through summer green manuring and elemental sulfur fertilisation. Crop and Pasture Science, 2022, 73, 804-816.	1.5	2

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91	Designing resource efficient integrated crop management modules for direct seeded rice-zero till wheat rotation of north western India: Impacts on system productivity, energy-nutrient-carbon dynamics. Archives of Agronomy and Soil Science, 2023, 69, 1236-1250.	2.6	2
92	Harnessing cyanobacterium-fungal interactions to develop potting mixes for disease-free tomato nursery. Phytoparasitica, 2023, 51, 703-716.	1.2	2
93	Micronutrient Deficiencies in Humans and Animals: Strategies for Their Improvement. , 2016, , 217-228.		1
94	Effect of Crop Establishment Methods and Microbial Inoculations on Augmenting the Energy Efficiency and Nutritional Status of Rice and Wheat in Cropping System Mode. Sustainability, 2022, 14, 5986.	3.2	1
95	Fertilizers, Grain Quality, and Nutrition-Related Human Ailments: An Overview. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 237-242.	1.0	0
96	Gluten-related disorders (GRDs) and coarse grainsâ€“Indian scenario. Proceedings of the Indian National Science Academy, 2021, 87, 429.	1.4	0