

# Karnena Koteswara Rao

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

418  
citations

840776

11  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactive effect of elevated [CO <sub>2</sub> ] and temperature on the photosynthetic process, antioxidant properties, and grain yield of rice. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 384-393.	3.5	5
2	Influence of tillage based crop establishment and residue management practices on soil quality indices and yield sustainability in rice-wheat cropping system of Eastern Indo-Gangetic Plains. <i>Soil and Tillage Research</i> , 2021, 206, 104841.	5.6	46
3	Can yield, soil C and aggregation be improved under long-term conservation agriculture in the eastern Indo-Gangetic plain of India?. <i>European Journal of Soil Science</i> , 2021, 72, 1742-1761.	3.9	17
4	An impact of agronomic practices of sustainable rice-wheat crop intensification on food security, economic adaptability, and environmental mitigation across eastern Indo-Gangetic Plains. <i>Field Crops Research</i> , 2021, 267, 108164.	5.1	20
5	Conservation agriculture improves soil physical properties and crop productivity: a long-term study in middle Indo-Gangetic Plains of India. <i>Soil Research</i> , 2021, .	1.1	4
6	Short-term (5 years) impact of conservation agriculture on soil physical properties and organic carbon in a rice-wheat rotation in the Indo-Gangetic plains of Bihar. <i>European Journal of Soil Science</i> , 2020, 71, 1076-1089.	3.9	30
7	Energy performance of cookstoves and emission factors in rural areas of Eastern Indo Gangetic Plains (EIGP). <i>Carbon Management</i> , 2020, 11, 473-481.	2.4	1
8	Crop rotation and tillage management options for sustainable intensification of rice-fallow agro-ecosystem in eastern India. <i>Scientific Reports</i> , 2020, 10, 11146.	3.3	37
9	Effect of conservation tillage and rice-based cropping systems on soil aggregation characteristics and carbon dynamics in Eastern Indo-Gangetic Plain. <i>Paddy and Water Environment</i> , 2020, 18, 573-586.	1.8	18
10	Carbon and Nitrogen Mineralization Dynamics: A Perspective in Rice-Wheat Cropping System. , 2020, , 463-498.		4
11	Sustainable intensification of rice fallows of Eastern India with suitable winter crop and appropriate crop establishment technique. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29409-29423.	5.3	25
12	Quantitative and qualitative analysis of some firewood trees and shrubs of Eastern India. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13156.	2.3	1
13	Conservation agriculture based sustainable intensification: Increasing yields and water productivity for smallholders of the Eastern Gangetic Plains. <i>Field Crops Research</i> , 2019, 238, 1-17.	5.1	70
14	Trends in key soil parameters under conservation agriculture-based sustainable intensification farming practices in the Eastern Ganga Alluvial Plains. <i>Soil Research</i> , 2019, 57, 883.	1.1	31
15	Weed density and species composition in rice-based cropping systems as affected by tillage and crop rotation. <i>Indian Journal of Weed Science</i> , 2019, 51, 116.	0.3	5
16	Optimizing Dosage and Mode of Potassium Application for Rice in Drought-Prone Rainfed Ecology of Middle Indo-Gangetic Plains. <i>Agricultural Research</i> , 2018, 7, 215-224.	1.7	1
17	Improvement of submergence tolerance in rice through efficient application of potassium under submergence-prone rainfed ecology of Indo-Gangetic Plain. <i>Functional Plant Biology</i> , 2017, 44, 907.	2.1	21
18	Evaluation of long-term conservation agriculture and crop intensification in rice-wheat rotation of Indo-Gangetic Plains of South Asia: Carbon dynamics and productivity. <i>European Journal of Agronomy</i> , 2017, 90, 198-208.	4.1	69

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19	Nutrient uptake and content in sorghum cultivars ( <i>Sorghum bicolor</i> L) under summer environment. Indian Journal of Plant Physiology, 2017, 22, 309-315.	0.8	5
20	Farmers Perception in Adoption of Conservation Agriculture Practices in Madhubani District of Bihar, India. Journal of AgriSearch, 2017, 4, .	0.2	0
21	Thermal utilization and heat use efficiency of sorghum cultivars in middle Indo- Gangetic Plains. Journal of Agrometeorology, 2017, 19, 29-33.	0.3	7
22	Diversity Among Rice Landraces Under Static (Ex Situ) and Dynamic (On-Farm) Management: A Case from North-Western Indian Himalayas. , 2016, , 509-526.		1
23	Impact, Adaptation Strategies and Vulnerability of Indian Agriculture Towards the Climate Change. , 2016, , 437-457.		0
24	Rice Breeding for Drought Tolerance Under the Changing Climate Scenario. , 2016, , 545-559.		0