

# Rajendra Hegde

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12026993/publications.pdf>

Version: 2024-02-01

24  
papers

537  
citations

840776

11  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital mapping of soil texture classes using Random Forest classification algorithm. Soil Use and Management, 2022, 38, 135-149.	4.9	32
2	Defining fertility management units and land suitability analysis using digital soil mapping approach. Geocarto International, 2022, 37, 5914-5934.	3.5	8
3	Soil Fertility Evaluation in Rainfed Regions of Different Agro-Climatic Zones of Karnataka, India. Agricultural Research, 2022, 11, 215-228.	1.7	2
4	Transforming Soil Paradigms with Machine Learning. Studies in Big Data, 2022, , 243-265.	1.1	0
5	Potential Impacts of Climate Change on Land Degradation and Desertification. , 2022, , 1374-1387.		0
6	Remote Sensing Sensors and Recent Techniques in Desertification and Land Degradation Mappingâ€”A Review. Innovations in Landscape Research, 2022, , 701-716.	0.4	2
7	Prediction of soil hydraulic properties using VIS-NIR spectral data in semi- arid region of Northern Karnataka Plateau. Geoderma Regional, 2022, 28, e00475.	2.1	8
8	Land Suitability Evaluation for Pigeon Pea in Semi-arid Land, South Telangana Plateau, India, Using GIS, Remote Sensing and Detailed Survey. Communications in Soil Science and Plant Analysis, 2022, 53, 675-687.	1.4	1
9	Evaluation of digital soil mapping approach for predicting soil fertility parametersâ€”a case study from Karnataka Plateau, India. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	9
10	Predicting and Mapping of Soil Hydraulic Properties in Karnataka. Journal of the Indian Society of Remote Sensing, 2021, 49, 1623-1631.	2.4	5
11	Digital soil mapping of soil organic carbon stocks in Western Ghats, South India. Geoderma Regional, 2021, 25, e00387.	2.1	28
12	Mapping of Soil erosion and Probability Zones using Remote Sensing and GIS in Arid part of South Deccan Plateau, India. Journal of the Indian Society of Remote Sensing, 2021, 49, 2407-2423.	2.4	11
13	Digital soil mapping of key GlobalSoilMap properties in Northern Karnataka Plateau. Geoderma Regional, 2020, 20, e00250.	2.1	19
14	Prediction of Soil Depth in Karnataka Using Digital Soil Mapping Approach. Journal of the Indian Society of Remote Sensing, 2020, 48, 1593-1600.	2.4	13
15	The need for digital soil mapping in India. Geoderma Regional, 2019, 16, e00204.	2.1	34
16	Assessment of land degradation using comprehensive geostatistical approach and remote sensing data in GIS-model builder. Egyptian Journal of Remote Sensing and Space Science, 2019, 22, 323-334.	2.0	41
17	Pedotransfer Functions for Predicting Soil Hydraulic Properties in Semi-Arid Regions of Karnataka Plateau, India. Current Science, 2019, 116, 1237.	0.8	14
18	Potential Impacts of Climate Change on Land Degradation and Desertification. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 183-195.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Desertification vulnerability index“an effective approach to assess desertification processes: A case study in Anantapur District, Andhra Pradesh, India. Land Degradation and Development, 2018, 29, 150-161.	3.9	33
20	Status of Desertification in South India “ Assessment, Mapping and Change Detection Analysis. Current Science, 2018, 115, 331.	0.8	11
21	Site-Specific Land Resource Inventory for Scientific Planning of Sujala Watersheds in Karnataka. Current Science, 2018, 115, 644.	0.8	9
22	Spatial prediction of major soil properties using Random Forest techniques - A case study in semi-arid tropics of South India. Geoderma Regional, 2017, 10, 154-162.	2.1	114
23	Estimating soil fertility status in physically degraded land using GIS and remote sensing techniques in Chamarajanagar district, Karnataka, India. Egyptian Journal of Remote Sensing and Space Science, 2016, 19, 95-108.	2.0	30
24	Assessment of land suitability and capability by integrating remote sensing and GIS for agriculture in Chamarajanagar district, Karnataka, India. Egyptian Journal of Remote Sensing and Space Science, 2016, 19, 125-141.	2.0	112