Rajendra Hegde

List of Publications by Year
in descending order

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	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
2	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
3	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
4	The need for digital soil mapping in India. Geoderma Regional, 2019, 16, e00204.	2.1	34
5	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
6	Digital mapping of soil texture classes using Random Forest classification algorithm. Soil Use and Management, 2022, 38, 135-149.	4.9	32
7	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
8	Digital soil mapping of soil organic carbon stocks in Western Ghats, South India. Geoderma Regional, 2021, 25, e00387.	2.1	28
9	Digital soil mapping of key GlobalSoilMap properties in Northern Karnataka Plateau. Geoderma Regional, 2020, 20, e00250.	2.1	19
10	Pedotransfer Functions for Predicting Soil Hydraulic Properties in Semi-Arid Regions of Karnataka Plateau, India. Current Science, 2019, 116, 1237.	0.8	14
11	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
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	Status of Desertification in South India – Assessment, Mapping and Change Detection Analysis. Current Science, 2018, 115, 331.	0.8	11
14	Site-Specific Land Resource Inventory for Scientific Planning of Sujala Watersheds in Karnataka. Current Science, 2018, 115, 644.	0.8	9
15	Evaluation of digital soil mapping approach for predicting soil fertility parameters—a case study from Karnataka Plateau, India. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	9
16	Defining fertility management units and land suitability analysis using digital soil mapping approach. Geocarto International, 2022, 37, 5914-5934.	3.5	8
17	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
18	Predicting and Mapping of Soil Hydraulic Properties in Karnataka. Journal of the Indian Society of Remote Sensing, 2021, 49, 1623-1631.	2.4	5

#	Article	IF	Citations
19	Soil Fertility Evaluation in Rainfed Regions of Different Agro-Climatic Zones of Karnataka, India. Agricultural Research, 2022, 11, 215-228.	1.7	2
20	Remote Sensing Sensors and Recent Techniques in Desertification and Land Degradation Mappingâ€"â€"A Review. Innovations in Landscape Research, 2022, , 701-716.	0.4	2
21	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
22	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
23	Transforming Soil Paradigms with Machine Learning. Studies in Big Data, 2022, , 243-265.	1.1	0
24	Potential Impacts of Climate Change on Land Degradation and Desertification. , 2022, , 1374-1387.		0