

# Bhavana N Umrikar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5386181/publications.pdf>

Version: 2024-02-01

29  
papers

725  
citations

567144

15  
h-index

839398

18  
g-index

30  
all docs

30  
docs citations

30  
times ranked

460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of water quality index using artificial neural network and multiple linear regression modelling approach in Shivganga River basin, India. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 951-962.	1.9	145
2	An implication of boron and fluoride contamination and its exposure risk in groundwater resources in semi-arid region, Western India. <i>Environment, Development and Sustainability</i> , 2020, 22, 7033-7056.	2.7	58
3	Identification of erosion-prone areas using modified morphometric prioritization method and sediment production rate: a remote sensing and GIS approach. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 986-1006.	2.0	54
4	Integrated geophysical, geospatial and multiple-criteria decision analysis techniques for delineation of groundwater potential zones in a semi-arid hard-rock aquifer in Maharashtra, India. <i>Hydrogeology Journal</i> , 2019, 27, 639-654.	0.9	54
5	Hydrological response-based watershed prioritization in semiarid, basaltic region of western India using frequency ratio, fuzzy logic and AHP method. <i>Environment, Development and Sustainability</i> , 2019, 21, 1809-1833.	2.7	47
6	Integrated approach for the evaluation of groundwater quality through hydro geochemistry and human health risk from Shivganga river basin, Pune, Maharashtra, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4311-4333.	2.7	39
7	Morphometric analysis of Andhale watershed, Taluka Mulshi, District Pune, India. <i>Applied Water Science</i> , 2017, 7, 2231-2243.	2.8	37
8	Morphometric prioritization of semi-arid watershed for plant growth potential using GIS technique. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1663-1673.	1.9	35
9	Hydrogeochemical characterization of groundwater from semiarid region of western India for drinking and agricultural purposes with special reference to water quality index and potential health risks assessment. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	29
10	Seasonal variation in groundwater quality and beneficial use for drinking, irrigation, and industrial purposes from Deccan Basaltic Region, Western India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26082-26104.	2.7	29
11	Assessment of recharge potential zones for groundwater development and management using geospatial and MCDA technologies in semiarid region of Western India. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	27
12	Groundwater vulnerability assessment using DRASTIC model: a comparative analysis of conventional, AHP, Fuzzy logic and Frequency ratio method. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 543-553.	1.9	26
13	Seasonal assessment of groundwater contamination, health risk and chemometric investigation for a hard rock terrain of western India. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	25
14	Integrated Geomorphological, Geospatial and AHP Technique for Groundwater Prospects Mapping in Basaltic Terrain. , 2018, 2, 16-27.		25
15	Identifying Possible Locations to Construct Soil Water Conservation Structures by Using Hydrogeological and Geospatial Analysis. , 2017, 1, 18-27.		22
16	Environmental modelling of soil quality, heavy-metal enrichment and human health risk in sub-urbanized semiarid watershed of western India. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 545-556.	1.9	21
17	Evaluation of groundwater prolific zones in the unconfined basaltic aquifers of Western India using geospatial modeling and MIF technique. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 1807-1821.	1.9	16
18	Drought severity modeling of upper Bhima river basin, western India, using GISâ€‘AHP tools for effective mitigation and resource management. <i>Natural Hazards</i> , 2021, 105, 1165-1188.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Land Suitability Analysis for Afforestation in Semi-arid Watershed of Western Ghat, India: A Groundwater Recharge Perspective. , 2021, 5, 136-148.		8
20	GIS Technique in Management of Watershed Developed along the Konkan Coast, Maharashtra, India. Journal of Geographic Information System, 2015, 07, 280-293.	0.3	4
21	Remote Sensing Based Assessment of Agricultural Droughts in Sub-Watersheds of Upper Bhima Basin, India. , 2018, 2, 105-111.		3
22	Suitability Assessment of Groundwater Quality for Drinking Purpose by Physicochemical Characterization and Water Quality Index from Haveli Region, India. , 2018, 2, 83-90.		3
23	Evaluation of Groundwater Quality for Domestic and Irrigation Suitability from Upper Bhima Basin, Western India: A Hydro-geochemical Perspective. , 2018, 2, 113-123.		3
24	Impact Assessment of Water Harvesting Structures in Micro-Watersheds of Nira River Basin, Maharashtra, India. Hydrospatial Analysis, 2019, 3, 72-89.	0.5	1
25	Hydrogeological Studies of Urban-Rural Interface in the Northwest Part of Pune Metropolis, India. Urban Book Series, 2021, , 403-414.	0.3	0
26	Design of an Online Module: A Case Study in the Field of Geosciences. International Journal of Learning, 2012, 18, 365-372.	0.1	0
27	Groundwater Quality and its Suitability for Domestic and Agricultural Use in Khanaqin Town, Iraq. IOSR Journal of Applied Geology and Geophysic, 2014, 2, 57-66.	0.1	0
28	Evaluation of Multiple Hydrometeorological Factors for Prioritization of Water Stress Areas in the Upper Yerala River Basin, Satara, Maharashtra, India. , 2018, , 37-51.		0
29	Morphometric characterization of sub-basins in a hard-rock aquifer system of Maharashtra, India, using geospatial and geostatistical tools. Applied Geomatics, 0, , 1.	1.2	0