

# D Karunanidhi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

915  
citations

19  
h-index

28  
g-index

48  
ext. papers

1,415  
ext. citations

5.2  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
42	Potential health risk assessment for fluoride and nitrate contamination in hard rock aquifers of Shanmuganadhi River basin, South India. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2019</b> , 25, 250-270	4.9	79
41	Hydrogeochemical characterization and evaluation of groundwater quality in Kangayam taluk, Tirupur district, Tamil Nadu, India, using GIS techniques. <i>Environmental Geochemistry and Health</i> , <b>2019</b> , 41, 851-873	4.7	53
40	Prioritization of subwatersheds based on quantitative morphometric analysis in lower Bhavani basin, Tamil Nadu, India using DEM and GIS techniques. <i>Arabian Journal of Geosciences</i> , <b>2017</b> , 10, 1	1.8	47
39	Long-term trend detection and spatiotemporal analysis of groundwater levels using GIS techniques in Lower Bhavani River basin, Tamil Nadu, India. <i>Environment, Development and Sustainability</i> , <b>2020</b> , 22, 2779-2800	4.5	42
38	Geochemical evaluation of fluoride contamination in groundwater from Shanmuganadhi River basin, South India: implication on human health. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 42, 1937-1963	4.763	40
37	Evaluation of non-carcinogenic risks due to fluoride and nitrate contaminations in a groundwater of an urban part (Coimbatore region) of south India. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 102	3.1	39
36	Mapping of groundwater potential zones in Salem Chalk Hills, Tamil Nadu, India, using remote sensing and GIS techniques. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 164	3.1	37
35	Risk of Fluoride-Rich Groundwater on Human Health: Remediation Through Managed Aquifer Recharge in a Hard Rock Terrain, South India. <i>Natural Resources Research</i> , <b>2020</b> , 29, 2369-2395	4.9	37
34	Fluoride contamination in groundwater of the Shanmuganadhi River basin (south India) and its association with other chemical constituents using geographical information system and multivariate statistics. <i>Chemie Der Erde</i> , <b>2020</b> , 80, 125555	4.3	35
33	Characterizing groundwater quality and seawater intrusion in coastal aquifers of Nagapattinam and Karaikal, South India using hydrogeochemistry and modeling techniques. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2019</b> , 25, 314-334	4.9	29
32	Hydrogeochemical evaluation, suitability, and health risk assessment of groundwater in the watershed of Godavari basin, Maharashtra, Central India. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 18471-18494	5.1	29
31	Sobol sensitivity approach for the appraisal of geomediical health risks associated with oral intake and dermal pathways of groundwater fluoride in a semi-arid region of south India. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 194, 110438	7	28
30	Revealing drinking water quality issues and possible health risks based on water quality index (WQI) method in the Shanmuganadhi River basin of South India. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 931-948	4.7	28
29	The effects of geochemical processes on groundwater chemistry and the health risks associated with fluoride intake in a semi-arid region of South India. <i>RSC Advances</i> , <b>2020</b> , 10, 4840-4859	3.7	27
28	Delineation of groundwater potential zones and recommendation of artificial recharge structures for augmentation of groundwater resources in Vattamalaikarai Basin, South India. <i>Environmental Earth Sciences</i> , <b>2020</b> , 79, 1	2.9	26
27	Evaluation of the groundwater quality feasibility zones for irrigational purposes through GIS in Omalur Taluk, Salem District, South India. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 7320-33	5.1	26
26	Health risks associated with fluoride intake from rural drinking water supply and inverse mass balance modeling to decipher hydrogeochemical processes in Vattamalaikarai River basin, South India. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 705-716	4.7	26

25	Groundwater Pollution and Human Health Risks in an Industrialized Region of Southern India: Impacts of the COVID-19 Lockdown and the Monsoon Seasonal Cycles. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2021</b> , 80, 259-276	3.2	24
24	Irrigation risk assessment of groundwater in a non-perennial river basin of South India: implication from irrigation water quality index (IWQI) and geographical information system (GIS) approaches. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	17
23	Groundwater quality evolution based on geochemical modeling and aptness testing for ingestion using entropy water quality and total hazard indexes in an urban-industrial area (Tiruppur) of Southern India. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 18523-18538	5.1	16
22	Demarcation of groundwater quality domains using GIS for best agricultural practices in the drought-prone Shanmuganadhi River basin of South India. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 18423-18435	5.1	15
21	Human health risks associated with multipath exposure of groundwater nitrate and environmental friendly actions for quality improvement and sustainable management: A case study from Texvalley (Tiruppur region) of India. <i>Chemosphere</i> , <b>2021</b> , 265, 129083	8.4	12
20	Seasonal and Spatial Variation of Groundwater Quality Vulnerable Zones of Yellareddygudem Watershed, Nalgonda District, Telangana State, India. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2021</b> , 80, 11-30	3.2	12
19	Effects of COVID-19 pandemic lockdown on microbial and metals contaminations in a part of Thirumanimuthar River, South India: A comparative health hazard perspective. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125909	12.8	12
18	Integration of multi criteria decision analysis and GIS for evaluating the site suitability for aquaculture in southern coastal region, India. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 172, 112907	6.7	11
17	Geoelectrical Schlumberger investigation for characterizing the hydrogeological conditions using GIS in Omalur Taluk, Salem District, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , <b>2014</b> , 7, 1791-1798	1.8	10
16	Promoting artificial recharge to enhance groundwater potential in the lower Bhavani River basin of South India using geospatial techniques. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 18437-18456	5.1	10
15	Groundwater chemistry and demarcation of seawater intrusion zones in the Thamirabarani delta of south India based on geochemical signatures. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 757-770	4.7	10
14	Rainfall-surface runoff estimation for the Lower Bhavani basin in south India using SCS-CN model and geospatial techniques. <i>Environmental Earth Sciences</i> , <b>2020</b> , 79, 1	2.9	8
13	Health threats for the inhabitants of a textile hub (Tiruppur region) in southern India due to multipath entry of fluoride ions from groundwater. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 204, 111071	7	8
12	Appraisal of subsurface hydrogeochemical processes in a geologically heterogeneous semi-arid region of south India based on mass transfer and fuzzy comprehensive modeling. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 1009-1028	4.7	8
11	Provincial and seasonal influences on heavy metals in the Noyyal River of South India and their human health hazards. <i>Environmental Research</i> , <b>2022</b> , 204, 111998	7.9	8
10	An integrated approach to explore the suitability of nitrate-contaminated groundwater for drinking purposes in a semiarid region of India. <i>Environmental Geochemistry and Health</i> , <b>2022</b> , 1	4.7	7
9	Evaluation of chromium in vegetables and groundwater aptness for crops from an industrial (leather tanning) sector of South India. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 995-1008	4.7	5
8	Chromium contamination in groundwater and Sobol sensitivity model based human health risk evaluation from leather tanning industrial region of South India. <i>Environmental Research</i> , <b>2021</b> , 199, 111238	7.9	5

7	Investigation of health risks related with multipath entry of groundwater nitrate using Sobol sensitivity indicators in an urban-industrial sector of south India. <i>Environmental Research</i> , <b>2021</b> , 200, 111726	7.9	5
6	COVID-19 lockdown impacts on heavy metals and microbes in shallow groundwater and expected health risks in an industrial city of South India. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2021</b> , 16, 100472	3.3	5
5	Impact of precipitation disparity on groundwater fluctuation in a semi-arid region (Vellore district) of southern India using geospatial techniques. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 18539-18551	5.1	4
4	Groundwater suitability estimation for sustainable drinking water supply and food production in a semi-urban area of south India: A special focus on risk evaluation for making healthy society. <i>Sustainable Cities and Society</i> , <b>2021</b> , 73, 103077	10.1	2
3	Hydrogeochemistry of Groundwater From Tamil Nadu and Pondicherry Coastal Aquifers, South India: Implication for Chemical Characteristics and Sea Water Intrusion <b>2019</b> , 237-249		1
2	Perchlorate Contamination in Groundwater and Associated Health Risks from Fireworks Manufacturing Area (Sivakasi region) of South India. <i>Exposure and Health</i> , 1	8.8	1
1	Hydrogeochemical assessment of groundwater quality and suitability for irrigation in the coastal part of Cuddalore district, Tamil Nadu, India.. <i>Marine Pollution Bulletin</i> , <b>2022</b> , 174, 113258	6.7	1