S Selvam

List of Publications by Citations

78 papers	1,201 citations	20 h-index	32 g-index
81 ext. papers	1,701 ext. citations	4.3 avg, IF	5.44 L-index

#	Paper	IF	Citations
78	GIS-based Evaluation of Water Quality Index of groundwater resources around Tuticorin coastal city, south India. *Environmental Earth Sciences*, **2014**, 71, 2847-2867	2.9	105
77	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. *Journal of Hazardous Materials*, **2021**, 402, 123786	12.8	74
76	Hydrochemical characteristics and GIS-based assessment of groundwater quality in the coastal aquifers of Tuticorin corporation, Tamilnadu, India. *Applied Water Science*, **2013**, 3, 145-159	5	62
75	A GIS based identification of groundwater recharge potential zones using RS and IF technique: a case study in Ottapidaram taluk, Tuticorin district, Tamil Nadu. *Environmental Earth Sciences*, **2015**, 73, 3785-3799	2.9	59
74	Imprints of pandemic lockdown on subsurface water quality in the coastal industrial city of Tuticorin, South India: A revival perspective. *Science of the Total Environment*, **2020**, 738, 139848	10.2	59
73	SARS-CoV-2 pandemic lockdown: Effects on air quality in the industrialized Gujarat state of India. *Science of the Total Environment*, **2020**, 737, 140391	10.2	53
72	Application of remote sensing and GIS for delineating groundwater recharge potential zones of Kovilpatti Municipality, Tamil Nadu using IF technique. *Earth Science Informatics*, **2016**, 9, 137-150	2.5	50
71	A GIS-based assessment of water quality pollution indices for heavy metal contamination in Tuticorin Corporation, Tamilnadu, India. *Arabian Journal of Geosciences*, **2015**, 8, 10611-10623	1.8	39
70	Microplastic presence in commercial marine sea salts: A baseline study along Tuticorin Coastal salt pan stations, Gulf of Mannar, South India. *Marine Pollution Bulletin*, **2020**, 150, 110675	6.7	38
69	Geostatistical techniques to evaluate groundwater contamination and its sources in Miryang City, Korea. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	37
68	Factors controlling groundwater quality in the Yeonjegu District of Busan City, Korea, using the hydrogeochemical processes and fuzzy GIS. *Environmental Science and Pollution Research*, **2017**, 24, 23679-23693	5.1	36
67	A Study on Assessment of Credible Sources of Heavy Metal Pollution Vulnerability in Groundwater of Thoothukudi Districts, Tamilnadu, India. *Water Quality, Exposure, and Health*, **2015**, 7, 459-467		33
66	Deciphering of groundwater potential zones in Tuticorin, Tamil Nadu, using remote sensing and GIS techniques. *Journal of the Geological Society of India*, **2014**, 84, 597-608	1.3	33
65	Effect of COVID-19 lockdown on the water quality index of River Gomti, India, with potential hazard of faecal-oral transmission. *Environmental Science and Pollution Research*, **2021**, 28, 33021	5.1	33
64	GIS based groundwater modeling study to assess the effect of artificial recharge: A case study from Kodaganar river basin, Dindigul district, Tamil Nadu. *Journal of the Geological Society of India*, **2017**, 89, 57-64	1.3	32
63	A preliminary investigation of lithogenic and anthropogenic influence over fluoride ion chemistry in the groundwater of the southern coastal city, Tamilnadu, India. *Environmental Monitoring and Assessment*, **2015**, 187, 106	3.1	28
62	Geochemical Appraisal of Groundwater Quality in Ottapidaram Taluk, Thoothukudi District, Tamil Nadu using Graphical and Numerical Method. *Journal of the Geological Society of India*, **2018**, 92, 313-320	1.3	27

61	Identification of groundwater contamination sources in Dindugal district of Tamil Nadu, India using GIS and multivariate statistical analyses. *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	26
60	Environmental monitoring and assessment of heavy metals in surface sediments at Coleroon River Estuary in Tamil Nadu, India. *Environmental Monitoring and Assessment*, **2015**, 187, 505	3.1	22
59	Radon levels in groundwater in the Tuticorin district of Tamil Nadu, South India. *Journal of Radioanalytical and Nuclear Chemistry*, **2016**, 307, 1165-1173	1.5	22
58	Assessment of heavy metal and bacterial pollution in coastal aquifers from SIPCOT industrial zones, Gulf of Mannar, South Coast of Tamil Nadu, India. *Applied Water Science*, **2017**, 7, 897-913	5	20
57	Geochemical characteristics and evaluation of minor and trace elements pollution in groundwater of Tuticorin city, Tamil Nadu, India using geospatial techniques. *Journal of the Geological Society of India*, **2017**, 90, 62-68	1.3	20
56	Irrigational Feasibility of Groundwater and Evaluation of Hydrochemistry Facies in the SIPCOT Industrial Area, South Tamilnadu, India: A GIS Approach. *Water Quality, Exposure, and Health*, **2015**, 7, 265-284		19
55	Environmental contamination by heavy metals and associated human health risk assessment: a case study of surface water in Gomti River Basin, India. *Environmental Science and Pollution Research*, **2021**, 28, 56105-56116	5.1	17
54	Quantification of submarine groundwater discharge (SGD) using radon, radium tracers and nutrient inputs in Punnakayal, south coast of India. *Geoscience Frontiers*, **2021**, 12, 29-38	6	15
53	Origin of high fluoride in groundwater of the Tuticorin district, Tamil Nadu, India. *Applied Water Science*, **2018**, 8, 1	5	14
52	Identification of groundwater potential zones using geospatial approach in Sivagangai district, South India. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	13
51	Processes and characteristics of hydrogeochemical variations between unconfined and confined aquifer systems: a case study of the Nakdong River Basin in Busan City, Korea. *Environmental Science and Pollution Research*, **2020**, 27, 10087-10102	5.1	12
50	Remote sensing for recognition and monitoring of vegetation affected by soil properties. *Journal of the Geological Society of India*, **2017**, 90, 609-615	1.3	12
49	Ecological risk assessment of selected heavy metals in the surface sediments of three estuaries in the southeastern coast of India. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	11
48	Time series analyses of hydrological parameter variations and their correlations at a coastal area in Busan, South Korea. *Hydrogeology Journal*, **2018**, 26, 1875-1885	3.1	10
47	Interrelationship between geochemical elements of sediment and groundwater at Samrak Park Delta of Nakdong River Basin in Korea: multivariate statistical analyses and artificial neural network approaches. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	10
46	1D geoelectrical resistivity survey for groundwater studies in coastal area: A case study from Pearl city, Tamil Nadu. *Journal of the Geological Society of India*, **2016**, 87, 169-178	1.3	10
45	ANFIS-MOA models for the assessment of groundwater contamination vulnerability in a nitrate contaminated area. *Journal of Environmental Management*, **2021**, 286, 112162	7.9	9
44	Supplement of Missing Data in Groundwater-Level Variations of Peak Type Using Geostatistical Methods **2019**, 33-41		8

43	Variations of water quality deterioration based on GIS techniques in surface and groundwater resources in and around Vembanad Lake, Kerala, India. *Chemie Der Erde*, **2020**, 80, 125626	4.3	8
42	Tidal effects on groundwater dynamics in shallow coastal aquifers□outheast coast of Tamilnadu, India. *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	8
41	Plastics in marine ecosystem: A review of their sources and pollution conduits. *Regional Studies in Marine Science*, **2021**, 41, 101539	1.5	8
40	Source and remediation for heavy metals of soils at an iron mine of Ulsan City, Korea. *Arabian Journal of Geosciences*, **2018**, 11, 1	1.8	8
39	Modeling of aquifer vulnerability index using deep learning neural networks coupling with optimization algorithms. *Environmental Science and Pollution Research*, **2021**, 28, 57030-57045	5.1	7
38	Contamination levels and ecological risk of heavy metals in sediments from the tidal river Halda, Bangladesh. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	7
37	A study of health risk from accumulation of metals in commercial edible fish species at Tuticorin coasts of southern India. *Estuarine, Coastal and Shelf Science*, **2020**, 245, 106929	2.9	6
36	Causes of heavy metal contamination in groundwater of Tuticorin industrial block, Tamil Nadu, India. *Environmental Science and Pollution Research*, **2021**, 28, 18651-18666	5.1	6
35	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. *Environmental Pollution*, **2021**, 291, 118089	9.3	6
34	Lithofacies modeling of Late Jurassic in upper Ulayyah reservoir unit at central Saudi Arabia with inference of reservoir characterization. *Journal of Petroleum Science and Engineering*, **2020**, 185, 106664	4.4	5
33	Elemental geochemistry of surface sediments from Manakudy estuary, south-west coast of India: Inferences to sources of elements and their accumulation. *Geological Journal*, **2021**, 56, 2360-2378	1.7	5
32	GIS-based assessment of groundwater quality index (DWQI and AWQI) in Tiruchendur Coastal City, Southern Tamil Nadu, India. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	5
31	Identification of sources and groundwater recharge zones from hydrochemistry and stable isotopes of an agriculture-based paleo-lacustrine basin of drought-prone northeast Mexico. *Chemie Der Erde*, **2021**, 81, 125742	4.3	5
30	Assessment of dam water quality for irrigation in the northeast of catchment Cheliff-Zahrez, Central Algeria. *Environment, Development and Sustainability*, **2020**, 22, 5709-5730	4.5	5
29	Groundwater pollution index (GPI) and GIS-based appraisal of groundwater quality for drinking and irrigation in coastal aquifers of Tiruchendur, South India. *Environmental Science and Pollution Research*, **2021**, 28, 29056-29074	5.1	5
28	Assessment of groundwater from an industrial coastal area of south India for human health risk from consumption and irrigation suitability. *Environmental Research*, **2021**, 200, 111461	7.9	5
27	Groundwater quality assessment based on groundwater pollution index using Geographic Information System at Thettiyar watershed, Thiruvananthapuram district, Kerala, India. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	4
26	Fundamentals of GIS **2019**, 3-15		3

25	Hydrogeochemical processes controlling the groundwater salinity in the coastal aquifers of Southern Tamil Nadu, India.. *Marine Pollution Bulletin*, **2021**, 174, 113264	6.7	3
24	Comparative study of machine learning models for evaluating groundwater vulnerability to nitrate contamination.. *Ecotoxicology and Environmental Safety*, **2021**, 229, 113061	7	3
23	Evaluation of Vulnerability Zone of a Coastal Aquifer Through GALDIT GIS Index Techniques **2019**, 209-221		2
22	Characteristics of microplastics in the beach sediments of Marina tourist beach, Chennai, India.. *Marine Pollution Bulletin*, **2022**, 176, 113409	6.7	2
21	Site selection of check dams using geospatial techniques in Debre Berhan region, Ethiopia - water management perspective. *Environmental Science and Pollution Research*, **2021**, 1	5.1	2
20	Delineating saline and fresh water aquifers in Tuticorin of southern India by using geophysical techniques. *Environment, Development and Sustainability*, **2021**, 23, 17723	4.5	2
19	Modeling and simulation of runoff from an irrigation tank watershed to evaluate the utilizable water. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	2
18	An investigation to human health risks from multiple contaminants and multiple origins by introducing ʊTotal Information Managementʊ *Environmental Science and Pollution Research*, **2021**, 28, 18702-18724	5.1	2
17	Appraisal of COVID-19 lockdown and unlocking effects on the air quality of North India. *Environmental Research*, **2021**, 204, 112107	7.9	2
16	Microplastics from face masks: A potential hazard post Covid-19 pandemic.. *Chemosphere*, **2022**, 302, 134805	8.4	2
15	Groundwater quality assessment using GIS technology in Kadavanar Watershed, Cauvery River, Tamil Nadu, India. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	1
14	Geochemical evolution and seasonality of groundwater recharge at water-scarce southeast margin of the Chihuahuan Desert in Mexico. *Environmental Research*, **2022**, 203, 111847	7.9	1
13	Source, mobilization and distribution of uranium in a complex aquifer system: a spatial and temporal evaluation using geochemical, statistics and GIS approach. *Environmental Earth Sciences*, **2022**, 81, 1	2.9	1
12	GIS-based evaluation of groundwater quality and seawater intrusion assessment in a Coastal Region of Tiruchendur Taluk, Southern Tamil Nadu, India **2022**, 155-168		1
11	Measurement of submarine groundwater discharge (SGD) into Tiruchendur coast at southeast India using Rn as a naturally occurring tracer.. *Marine Pollution Bulletin*, **2021**, 174, 113233	6.7	0
10	Hydro-geochemistry-based appraisal of summer-season groundwater from three different semi-arid basins of northeast Mexico for drinking and irrigation. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	0
9	Groundwater decrease and contamination around subway tunnels in a coastal area of Busan City, Korea. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	0
8	Human health risk assessment of heavy metal and pathogens contamination in surface water of the Punnakayal estuary, South India.. *Chemosphere*, **2022**, 134027	8.4	0

7	Hydrochemical analysis of seawater intrusion by graphical techniques in coastal aquifers to delineate vulnerable areas **2022**, 91-104	0
6	Arsenic Contamination **2019**, 323-329	
5	Environmental magnetic and textural characteristics of two estuarine core sediments from Bay of Bengal, India. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8
4	Geochemical assessment of high salinity in groundwater along Ramanathapuram Coast, Southern Tamil Nadu **2022**, 213-231	
3	Nutrient inputs in to the coastal ocean associated with Submarine Groundwater Discharge (SGD) from the unconfined aquifers of Kayalpattinam, Southern coast of Tamil Nadu **2022**, 169-179	
2	Application of SVR-kernel models for nitrate contamination vulnerability assessment in the shallow aquifer of Miryang City, Korea **2022**, 55-70	
1	Issues of coastal groundwater contamination **2022**, 9-18	