

<b>Academic Year (2022-2023)</b>							
<b>S.No</b>	<b>Name of the Authors</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>Volume No. Issue No. and Page(s) No.</b>	<b>Year</b>	<b>Impact factor</b>	<b>DOI</b>
1	<b>Natarajan, N.,</b> Vasudevan, M, Rehman, S.,	Evaluation of suitability of wind speed probability distribution models: a case study from Tamil Nadu, India	Environmental science pollution research	29, 85855-85868	2022	SCIE (Q1), 5.19	doi.org/10.1007/s11356-021-14315-5
2	<b>Natarajan, N.,</b> Vasudevan, Suresh Kumar, G.	Confronting heterogeneous sorption and hydrodynamic dispersion on solute transport in a fracture-skin-matrix system using spatial moment analysis	Environmental science and pollution research	29,51095–51116	2022	SCIE (Q1), 5.19	doi.org/10.1007/s11356-021-17712-y
3	Gupta, D., <b>Natarajan, N.,</b> Berlin, M.	Short term wind speed prediction using hybrid machine learning techniques	Environmental science and pollution research	29,50909-50927	2022	SCIE (Q1), 5.19	doi.org/10.1007/s11356-021-15221-6

4	Thangavelu, A., Ramachandran, S., Kinattinkara, S. Sampath Kumar, V., Snehmani, Manoj,S., <b>Suthaviji, S.</b>	Bayesian networks and intelligence technology applied to climate change: An application of fuzzy logic based simulation in avalanche simulation risk assessment using GIS in a Western Himalayan region	Urban climate	45,101272	2022	SCIE (Q1), 6.663	doi.org/10.1016/j.uclim.2022.101272
5	<b>Srinivasan, K.,</b> Selvakumar, K.	Comparative study of pre-engineered building and space truss building with different span	Indian journal of geo marine sciences	28,428-431	2022	SCIE, 0.426	<a href="https://doi.org/10.56042/ijems.v29i4.45546">doi.org/10.56042/ijems.v29i4.45546</a>
6	Tanneeru, M., Govindasamy, R., Sivakumar, V., Sundaramoorthy, D., <b>Krishnakumar, S.</b>	Block level drought assessment using rainfall and remote sensing data	GLOBAL NEST	24(4), 681-686	2022	SCIE, 1.12	<a href="https://doi.org/10.30955/gnj.004485">https://doi.org/10.30955/gnj.004485</a>
7	<b>Srinivasan, K.,</b> Raghunathapandian, P., Subash, N., Raja Lekshmi, P.	Under water geopolymer concrete – An investigation	Periodico de Mineralogio	91(4), 1501-15072	2022	-	doi.org/10.37896/pd91.4/91498
8	Balaganesh, P., Vasudevan, M., <b>Natarajan, N.</b>	Evaluating sewage sludge contribution during co-composting using cause-evidence-impact analysis based on morphological characterization.	Environmental science and pollution research	29,51161-51182	2022	SCIE (Q1), 5.19	10.1007/s11356-022-19246-3.

9	Hazarika, B., Gupta, D., <b>Natarajan, N.</b>	Wavelet kernel least square twin support vector regression for wind speed prediction	Environmental science and pollution research	29, 86320-86226	2022	SCIE (Q1), 5.19	doi: <a href="https://doi.org/10.1007/s11356-022-18655-8">10.1007/s11356-022-18655-8</a>
10	Rehman, S., <b>Natarajan, N.</b> , Mohandes, M.A., Meyer, J.P., Alam, M.M., Alhems, L.A.	Wind and wind power characteristics of the eastern and southern coastal and northern inland regions, South Africa	Environmental science and pollution research	29, 85842–85854	2022	SCIE (Q1), 5.19	doi.org/10.1007/s11356-021-14276-9
11	<b>Natarajan, N.</b> , Vasudevan, M., <b>Dineshkumar, S.</b> , <b>Anuja, R.</b>	Comparison of Analytic Hierarchy Process (AHP) and Fuzzy Analytic Hierarchy Process (f-AHP) for the Sustainability Assessment of a Water Supply Project	Institution of engineers: Series A	103, 1029-1039	2022	Scopus	doi.org/10.1007/s40030-022-00665-x
12	<b>Srinivasan, K.</b> , Premalatha, J.	Prediction of compressive strength of concrete with rice husk as partial replacement of cement using artificial neural network (ANN)	AIP Conference proceedings	2446, 180038	2022	Scopus	<a href="https://doi.org/10.1063/5.0110583">https://doi.org/10.1063/5.0110583</a>
13	<b>Srinivasan, K.</b> , Premalatha, J., Ranganayaki, J.	Strength and durability properties of concrete with partial replacement of coarse aggregates with e-waste aggregates	AIP Conference proceedings	2446, 180037	2022	Scopus	<a href="https://doi.org/10.1063/5.0110585">https://doi.org/10.1063/5.0110585</a>
14	Vasudevan, M., <b>Natarajan, N.</b> , Sughashini,	Correlating the trends of COVID-19 spread and air quality during lockdowns in Tier-I and Tier-II	Environmental science and pollution research	29(57):86126-86155	2022	SCIE (Q1), 5.19	doi: 10.1007/s11356-

	M.S., Kesavan, R., Arun Dharshini, R., Anushya Banu, B.	cities of India – lessons learnt and futuristic strategies					021-16028-1.
15	Jino, L., Berlin, M., Natarajan, N., Vanav Kumar, A., Vasudevan, M., Suresh Kumar, G.	Numerical modeling of nitrate transport in fractured porous media under non-isothermal conditions	Environmental science and pollution research	29(57):85922-85944	2022	SCIE (Q1), 5.19	doi.org/10.1007/s11356-021-15691-8
16	Cinar, A.C., Natarajan, N.	An artificial neural network optimized by grey wolf optimizer for prediction of hourly wind speed in Tamil Nadu, India	Intelligent systems with applications	16, 200138	2022	Scopus	doi.org/10.1016/j.iswa.2022.200138
17	Mohaideen, A.K.K., Natarajan, N., Vasudevan, M., Gurusamy, S.	Parameter evaluation of a non-linear Muskingum model using a constrained self-adaptive differential evolution algorithm	Water Practice and Technology	17(11), 2396	2022	ESCI, 1.6	doi.org/10.2166/wpt.2022.137
18	Gokulan, R., Kavipriya, S., Krishnakumar, S., Dineshkumar, R., Krishnapriya, S., Pradeepa Sri, G.	Extraction of biodiesel from wastewater using microalgae chlorella vulgaris	GLOBAL Nest	25(1), 108-114	2023	SCIE, 1.134	<a href="https://doi.org/10.30955/gnj.004547">https://doi.org/10.30955/gnj.004547</a>
19	Sivapragasam, C., Natarajan, N., Prabavathy, I., Ragasudha, D.	Apparent temperature as a modeling substitute for evapotranspiration: Ramanathapuram, Tamil Nadu, India	Water Practice and Technology	18(1), 119	2023	ESCI, 1.6	doi.org/10.2166/wpt.2023.001

20	<b>Natarajan, N.,</b> Vasudevan, M., Ahash Raja, S., Mohanpradaap, K., Sneha, G., Shanu, S.J.	An assessment methodology for drought severity and vulnerability using precipitation based indices for the arid, semi-arid and humid districts of Tamil Nadu, India	Water Supply	23(1), 54	2023	SCIE, 1.768	<a href="https://doi.org/10.2166/wqs.2022.415">doi.org/10.2166/wqs.2022.415</a>
21	Durgadevi, S., Udhayakumar, K., Praveen, M., Krishnakumar, R., <b>Natarajan, N.,</b> Jayaraman, A., Vasudevan, M.	Lightweight Heat Resistant Concrete Panels Using Recycled Materials	IOP Conference series: Earth and environmental engineering	1130, 012010	2023	Scopus	10.1088/1755-1315/1130/1/012010
22	Radhakrishnan, A., Balaganesh, P., Vasudevan, M., <b>Natarajan, N.,</b> Chauhan, A., Arora, J., Ranjan, A., Rajput, V.D., Sushkova, S., Minkina, T., Basniwal, R.K., Kapardar, R., Srivastav, R.	Bioremediation of hydrocarbon pollutants: Recent promising sustainable approaches, scope and challenges	Sustainability	15(7), 5847	2023	SCIE (Q1), 3.9	<a href="https://doi.org/10.3390/su15075847">doi.org/10.3390/su15075847</a>
23	Ayus, I., <b>Natarajan, N.,</b> Gupta, D.	Comparison of machine learning and deep learning techniques for the prediction of air pollution: a case study from China	Asian journal of atmospheric environment	17, 4	2023	ESCI, 1.5	<a href="https://doi.org/10.1007/s44273-023-00005-w">doi.org/10.1007/s44273-023-00005-w</a>

24	<u>Lawrence</u> , J., Vanav Kumar, A., <u>Berlin</u> , M., <b>Natarajan</b> , N., Vasudevan, M., Suresh Kumar, G.	Nitrate transport in fracture-skin-matrix system under non-isothermal conditions.	Environmental science and pollution research	30:18091–18112	2023	SCIE (Q1), 5.19	doi.org/10.1007/s11356-022-23428-4
<b><u>Book</u></b>							
1	Swaminathan, A.N., Sivaraja, M., Harihanandh, M., Ravi, S.R., <b>Mariappan</b> , M.	Stainless steel in civil construction	Scientific International Publishing House	978-93-5625-470-1	2022	-	-