

Academic Year (2023-2024)							
S.No	Name of the Authors	Title of the Paper	Name of the Journal	Volume No. Issue No. and Page(s) No.	Year	Impact factor	DOI
1	Ayus, I., Natarajan, N. , Deepak, G.	Prediction of water level using machine learning and deep learning techniques.	Iranian Journal of Science and Technology- Transactions in Civil Engineering	47, 2437-2447	2023	SCIE, 1.4	doi.org/10.1007/s40996-023-01053-6
2	Vasudevan, M., Natarajan, N. , Senthil Kumar, E., Tamizharasu, S., Rehman, S., Alhems, L.M., Alam, M.	Public Acceptance of Wind Farms in Tamil Nadu, India – Key Observations and Conceptual Framework for Social Inclusion.	Polish journal of environmental studies	32(4), 1-15.	2023	SCIE, 1.8	doi.org/10.15244/pjoes/163161
3	Shukla, K.K., Natarajan, N. , Vasudevan, M.	Comparison of Wind Speed Probability Distribution Models for Accurate Evaluation of Wind Energy Potential: A Case study from Kerala, India.	Institution of Engineers (Series A)	104(3), 551-563	2023	Scopus	doi.org/10.1007/s40030-023-00734-9
4	Ahamed, M.F.N., Mariappan, M.	A study to determine human-related errors at the level of top management, safety supervisors & workers during the implementation of safety practices in the construction	Safety science	162,1060812	2023	SCIE (Q1), 6.1	doi.org/10.1016/j.ssci.2023.106081

		industry					
5	Krishnakumar, S., Sreevidya, V., Venkatasubramani, R., Vivek, S.	DRASTIC model developed with lineament density to map groundwater susceptibility: a case study in part of Coimbatore district, Tamilnadu, India	Environment, Development and Sustainability	25, 10411–10423	2023	SCIE (Q1), 4.9	doi.org/10.1007/s10668-023-03506-4
6	Rajesh Guna, R., Mariappan, M., Sivaraja, M.	Experimental Investigation of quarry dust and Acacia Nilotica ash's performance in concrete	European Chemical Bulletin	12 (S3), 6304 – 6311	2023	-	doi: 10.31838/ecb/2023.12.s3.865
7	Balaganesh, P., Vasudevan, M., Natarajan, N.	A critical overview of recent avenues in co-composting of animal manure with other organics of varying toxicity	Journal of solid waste technology and management	49(3), 261-269	2023	Scopus	doi.org/10.5276/jswtm/iswma/492/2023.261
8	<u>Balaganesh, P. Nandhini, S.S, Kumar, K. M., Ragavi, S.P., Shankar, S.A., Vasudevan, M. Natarajan, N.</u>	Flow behaviour of wastewater contaminants in compost with manufactured sand under layered conditions.	Journal of solid waste technology and management	49(3), 231-239	2023	Scopus	https://doi.org/10.5276/jswtm/iswma/492/2023.231
9	<u>Rehman, S., Natarajan, N., Vasudevan, M., Mohammed, A.B.,</u>	Performance evaluation of grid connected Photovoltaic system for Kuttiyadi village in Kerala, India.	Environmental science and pollution research	30, 99147–9915	2023	SCIE (Q1), 5.8	doi: 10.1007/s11356-

	<u>Mohammed, M. A, Firoz, K., Al-Sulaiman, F.A.,</u>						022-23731-0
10	Deepa, S.N., Natarajan, N. , Berlin, M.	Enhanced variational mode decomposition with deep learning SVM kernels for river streamflow forecasting.	Environmental Earth Sciences	82, 544	2023	SCIE, 2.8	doi.org/10.1007/s12665-023-11222-5
11	Amirtharaj, J., Mariappan, M.	Exploring the potential uses of Aluminium Metal Matrix composites as alternatives to steel bar in reinforced concrete structures – A state of art review	Journal of building engineering	80, 108085	2023	SCIE(Q1), 6.4	doi.org/10.1016/j.jobee.2023.108085
12	Jayaraman, A., Vasudevan, M., Natarajan, N.	Electrochemical assessment of zinc based anti-corrosive solutions for reinforced concrete structures and strategies for a reliable monitoring plan	Iranian Journal of Science and Technology- Transactions in Civil Engineering	48, 707-725	2024	SCIE, 1.4	doi.org/10.1007/s40996-023-01189-5
13	Eswaramoorthi, P., Suthaviji, S. , Manoj, S., Jothi Lakshmi, N., Sampathkumar, V.	Combustion Analysis of Solid Biomass Derived from Turmeric and Onion, using Nanoclay as a Binding Material, for a Sustainable Environment	Journal of environmental nanotechnology	13(1), 26-31	2024	Scopus	doi.org/10.13074/jent.2024.03.241496
14	Syed Masoodhu, S., Natarajan, N. , Vasudevan, M.	Modification of bentonite with black cotton soil and carboxyl methyl cellulose for enhancement of hydraulic performance of geosynthetic clay liners	Water science and technology	89(7), 1846-1859	2024	SCIE, 2.7	doi.org/10.2166/wst.2024.093
15	Sivapragasam, C., Dargar, S.K., Natarajan,	Enhancing engineering education through pedagogical change: Application to Abstract.	Journal of Engineering education and transformations	37(2), 826-831	2024	Scopus	10.16920/jeet/2024/

	N.						v37is2/24127
16	Natarajan, N., Latif, S.	Nonparametric versus parametric (both unimodal and mixed) probability distribution in hourly wind speed modelling for some regions of Tamil Nadu state in India.	Stochastic environmental research and risk assessment	38, 535-569	2024	SCIE (Q1), 4. 2	doi.org/10.1007/s00477-023-02587-x
17	Sudharsanan, M., Manikandan, A., Srinivasan, K.	An Experimental Investigation On Rubberised Silica Fume Concrete	Educational Administration: Theory and Practice	30(5), 10704-10714	2024	Scopus	doi: 10.53555/kuey.v30i5.4820
18	Balaganesh, P., Vasudevan, M., Natarajan, N., Kiran Babu Uppuluri, Balasubramani, R., Gopi, K.	Waste to Wealth: A Futuristic Outlook for Waste Utilization in India	IOP Conference series: Earth and environmental science	1258, 012011	2023	Scopus	doi:10.1088/1755-1315/1258/1/012011
19	Sharmila, S., Natarajan, N., Dineshkumar, S.	Analysis of microstructural properties and durability characteristics of geopolymer mortar	Material Proceedings	93(3), 217-222	2023	Scopus	doi.org/10.1016/j.matpr.2023.07.138
20	Suresh Thangavel, Praveen Kumar Arumugam, Subash Sivanandi Mayan	Study the characteristic on polymer concrete with waste materials	AIP Advances	2766, 020070	2023	Scopus	https://doi.org/10.1063/5.0140036

Book chapter

1	Sivapragasam, C., Natarajan, N.	The use of ICT at the induction level towards bringing equity and inclusion in HEIs of India	<u>Handbook of Research on Implementing Inclusive Educational Models and Technologies for Equity and Diversity</u>		2023	Scopus	Doi:10.4018/979-8-3693-0453-2.ch004
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