

Academic Year (2020-2021)

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	Krishnakumar, S., Venkatasubramani, R. , Sreevidya V., Deepika, S., Preethi Nanthini, L., Sundaresan, K., Surya S.	Spatial Impacts of Factories in Groundwater Quality in Karur Using GIS	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
2	Krishnakumar, S., Venkatasubramani, R., Dharmadurai, A., Murali Krishnan, S., Suresh Kumar, A., Mohamed Ibrahim M.	Aerial tramway from Aliyar to Valparai	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
3	Sathish Kumar, P.S., Subhashini, S., Saravanakumar, N., Priyatharsini, S., Bhuvaneshwaran, A.	Experimental Study On Properties Of Concrete With Eco-Sand And Demolished Concrete As Replacement To Fine Aggregate And Coarse Aggregate	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
4	Latha, C., Hariharan, V., Mohanraj, K.,	Performance analysis of self curing concrete using super	Research journal of chemistry and environment	24(special issue 1), 130-	2020	Scopus	-

	Yogavasanth, B., Harish Kumar, R.V.	absorbent polymer with recycled coarse aggregate		132			
5	Manikandan, A., Vignesh, M., Keerthana, G., Mohan Ram Krishnan, T., Swathika, D.	Experimental study on mechanical properties of concrete using silica fume and eco sand	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
6	Manikandan, A, Anandha Raj, L., Aravindh, P.	Experimental investigation on waste foundry sand for effective utilization in building construction	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
7	Syed Masoodhu, S., Venkatasubramani, R. , Arumairaj, P.D., Natarajan, N.	A comparative study on strengthening of peat and expansive soils using electro-osmosis consolidation – A case study from Tamil Nadu, India	Research journal of chemistry and environment	24(special issue 1), 130-132	2020	Scopus	-
8	Dineshkumar, S., Natarajan, N.	Assessment of water quality status in the inland lakes of Coimbatore, Tamil Nadu, India.	Indian Journal of Geo-Marine Sciences	49(7), 1280-1285.	2020	SCIE 0.496	-
9	Natarajan, N., Vasudevan, M.	An efficient and simplified computer program to estimate the infiltration index.	Indian Journal of Geo-Marine Sciences	49(6), 965-969	2020	SCIE 0.496	-

10	Shyam Sundar, M., Natarajan, N. , Vasudevan, M.	A handy tool for forecasting population to aid estimation of water demand. Indian journal of geo-marine sciences.	Indian Journal of Geo-Marine Sciences	49(9), 1587-1592	2020	SCIE 0.496	-
11	Natarajan, N. , Sudheer, Ch.	Groundwater level forecasting using soft computing techniques.	Neural computing and applications	32, 7691-7708	2020	SCIE (Q1), 5.6	doi.org/10.1007/s00521-019-04234-5
12	Natarajan, N. , Vasudevan, M., Kiruba Narayanan	Waste to Energy Conversion and Sustainable Recovery of Nutrients from Pee Power - Recent Advancements in Urine-fed MFCs.	Mini-reviews in organic chemistry	17(7), 768-779	2020	SCIE 2.495	doi.org/10.2174/1570193X16666191004101739
13	Rehman, S., Natarajan, N. , Mohandes, M.A., Alhems, L.M., Yousuf Himri, Amine Allouhi	Feasibility study of hybrid power systems for remote dwellings in Tamil Nadu, India.	IEEE Access	8,143881-143890.	2020	SCIE (Q1), 3.367	10.1109/ACCESS.2020.3014164

14	Selvaraj, M., Krithigaisrilatha, M., Syed Masoodhu, S., Natarajan, N.	Use of crystalline silica waste for enhancement of engineering properties of black cotton soil.	Nature, environment, pollution technology	19(3), 1105-1112	2020	Scopus	doi.org/10.46488/N EPT.2020.v1 9i03.021
15	Rehman, S., Natarajan, N. , Mohandes, M.A., Md. Mahbub Alam	Latitudinal wind power resource assessment along coastal areas of Tamil Nadu, India.	FME Transactions	48(3), 566-575	2020	ESCI, 1.6	10.5937/fme2003566R
16	Natarajan, N. , Vasudevan, M.	Trend analysis of meteorological parameters of Adelaide, South Australia.	Environment Asia	13(3), 103-117	2020	Scopus	10.14456/ea.2020.46
17	Natarajan, N. , Vasudevan, M., Suresh Kumar, G.	Simulating scale dependencies on dispersive mass transfer in porous media under varying boundary conditions	Iranian journal of science and technology, Transactions in civil engineering	44, 375-393	2020	SCIE, 1.495	doi.org/10.1007/s40996-020-00383-z
18	Abinaya, D., Harshini, J., Natarajan, N. , Manikandan, D., SenthilKumar, D.	Solvent extraction and characterization of essential oil from Allamanda voilacea	IOP conference series: Material science and engineering	955, 012086	2020	Scopus	10.1088/1757-899X/

							955/1/012086
19	Balaganesh, P. Vasudevan, M., Natarajan, N.	Insights into the application of co-composting for soil nutrient stability – A review	IOP conference series: Material science and engineering	955, 012093	2020	Scopus	10.1088/1757-899X/955/1/012093
20	Sugashini, M.S., Kesavan, R., Arun Dharshini, R., Anushya Banu, B., Natarajan, N. , Vasudevan, M.	Assessment of air quality index in major cities of India – Lessons from lockdown	IOP conference series: Material science and engineering	955, 012079	2020	Scopus	10.1088/1757-899X/955/1/012079
21	Shiva Nandhini, S., Vasudevan, M., Natarajan, N. , Suneeth Kumar, S.	Evolution of strategic planning for water sustainability in coastal cities of India – contemporary issues and way forward	IOP conference series: Material science and engineering	955, 012103	2020	Scopus	10.1088/1757-899X/955/1/012103

22	Kavya Dharsini, M., Akalya, K., Ragul, P., Sathyaseelan, K., Natarajan, N. , Dineshkumar, S.	Enhancement of soil properties using bottom ash, fly ash and coconut ash – An application of waste to wealth	IOP conference series: Material science and engineering	955, 012090	2020	Scopus	doi:10. 1088/1 757- 899X/ 955/1/ 01209 0
23	Balaganesh, P., Vasudevan, M., S. M. Suneethkumar, Shahir, S., Natarajan, N.	Evaluation of sugarcane and soil quality amended by sewage sludge derived compost and chemical fertilizer	Nature Environment and Pollution technology	19(4), 1737- 1741	2020	Scopus	doi.org /10.46 488/N EPT.2 020.v1 9i04.0 45
24	<u>Balaganesh, P.</u> , Vasudevan, M., Natarajan, N. , Suneeth Kumar, S.M.	Improving soil fertility and nutrient dynamics with leachate attributes from sewage sludge by impoundment and co-composting	CLEAN soil air water	48(12), 2000125	2020	SCIE, 1.603	<u>doi.org</u> <u>/10.10</u> <u>02/cle</u> <u>.20200</u> <u>0125</u>
25	Natarajan, N. , Rehman, S., Shiva Nandhini, S., Vasudevan, M.	Evaluation of wind energy potential of the state of Tamil Nadu, India based on trend analysis	FME Transactions	49(1), 244-251	2021	ESCI, 1.6	doi: 10.593 7/fme2 10124 4N

26	Balaganesh, P., Vasudevan, M., Natarajan, N.	Carbon Transformations of Biochar Based Co-Composting - A Review.	Mini-Reviews in Organic Chemistry	18(4), 465-478.	2021	SCIE, 2.495	DOI : 10.217 4/1570 193X1 79992 00928 22120 5
27	Sivapragasam, C., Natarajan, N.	Comparison of trends in apparent and air temperature for climate change assessment.	Modeling earth systems and environment	7, 261-271	2021	ESCI, 3	doi.org /10.10 07/s40 808- 020- 00979- 4
28	Natarajan, N. , Suresh Kumar, G., Vasudevan, M.	Impact of coupling terms on the thermal transport mechanism in a fracture matrix coupled system	Modeling earth systems and environment	7, 417-432	2021	ESCI, 3	doi.org /10.10 07/s40 808- 020- 00863- 1
29	Berlin, M., Natarajan, N. , Vasudevan, M., Suresh Kumar, G.	Impact of skin on the movement of nitrates in a fractured porous media.	Arabian journal of science and engineering	46, 4811-4824.	2021	SCIE, 2.334	doi.org /10.10 07/s13 369-

							020-05174
30	Berlin, M., Natarajan, N. , Vasudevan, M., Suresh Kumar, G.	Influence of Transient Porosity in a Coupled Fracture-Skin-Matrix System at the Scale of a Single Fracture.	Environmental Science Pollution Research	28, 18632-18650.	2021	SCIE (Q1), 4.23	doi.org/10.1007/s11356-020-11489-2
31	Linggi, L., Berlin, M., Mallik, M., Roy, S., Natarajan, N. , Vasudevan, M.	Feasibility investigation of adsorptive removal of NH ⁴⁺ and NO ³⁻ species from clayey aquifer using special soils.	Environment, Development and Sustainability	23, 6749-6768.	2021	SCIE (Q1), 3.219	doi.org/10.1007/s10668-020-00889-6
<u>Book Chapter</u>							
1	Vasudevan, M., Natarajan, N.	Sustainable approaches towards decontamination of industrial effluents: Recent developments in adsorptive removal of malachite green dye from aqueous solutions.	Textile Effluent Treatment Methods (A Current Focus on Research and Developments), Woodhead Publishing	151-190, ISBN 9789388320313	2020	-	-
2	Balaganesh, P., Annapoorani, E., Sridevi, S., Vasudevan, M.,	Nitrate sequestration and sorption capacity in soil under varying organic loading conditions	In: S. Ramanagopal et al. (eds.)Sustainable practices and innovations in civil engineering,	79, 141-150., ISBN 978-981-	2020	Scopus	doi.org/10.1007/978

	Suneeth Kumar, S.M., Natarajan, N.		Lecture notes in civil engineering, Springer,	15-5101-7			-981-15-5101-7_14
3	Karthick, M., Vasudevan, M., Natarajan, N.	Utilization of faecal sludge waste for co-composting process with partially digested biosolids.	In: Ghosh, S. (eds.) Sustainable waste management: Policies and case studies, Springer, Singapore.	1, 561-570, ISBN 978-981-13-7071-7	2020	Scopus	DOI: 10.1007/978-981-13-7071-7_50 -
4	Balaganesh, P., Vasudevan, M., Suneethkumar, S.M., Natarajan, N.	Chemical characterization and environmental implications of recycled sewage sludge in the proximity soil of treatment plant.	In: Ghosh et al. (eds) Emerging technologies for waste valorization and environmental protection, Springer, Singapore,	1, 69-78, ISBN 978-981-15-5735-4	2020	Scopus	https://doi.org/10.1007/978-981-15-5735-4_1_7