



Department of Civil Engineering

Journal Publications – Academic Year 2022-23 (June 22 – May 23)

S. No	Faculty Author Name	Article Title	Journal Name	Month & Year	Volume / Issue	Page No.	Index
1	Dr. D. Maruthachalam	Investigation on influence of size of aggregate and effect of strength on altering the ratio in low nominal concrete mixes	Materials Today Proceedings	June 2022	66 (4)	2288-2291	WoS/Scopus
2	Dr. V. Yogeshwaran	Experimental studies on partial replacement of E-waste and Blast Furnace Slag in concrete	Materials Today: Proceedings	June 2022	62 (4)	2000-2004	WoS/Scopus
3	Dr. V. Yogeshwaran	Evaluation Of The Performance Of Packed Bed Column For Heavy Metal Ion Removal Using Rice Husk Powder Coated With Iron Oxide Nano-Particles	Global Nest Journal	September 2022	24 (3)	474 - 486	WoS/Scopus
4	S Sadheesh	Onsite wastewater treatment using Artificially Constructed wetland planted with Canna Indica	Indian Journal of Environmental Protection	October 2022	42(10)	1241-1246	Scopus
5	Jesudass A	Optimization of Embodied energy and operational energy of school design by comparing conventional and sustainable Material configurations	Materials Today: Proceedings	August 2022	65 (2)	1169-1177	WoS/Scopus
6	Preethi Gopalakrishnan	Development of plastbrick using plastic wastes & PET bottles	Materials Today: Proceedings	Nov 2022	68 (6)	2601-2604	WoS/Scopus
7	A. Jesudass	Experimental investigation on strength and durability aspects of earthen blocks reinforced with jute fibres	AIP Proceedings	Nov 2022	2446 (1)	90010	WoS/Scopus
8	Dr. R. Chandra Devi	Green iron particles in textile and dyebath wastewater decolorization	Desalination and Water Treatment	Nov 2022	276	175-184	WoS/Scopus
9	S Sadheesh	Effects of air Pollution due to vehicular emission in Coimbatore and reduction strategies: A review	IOP - Conference series: Earth and Environmental Science	Dec 2022	1125 (1)	12004	Scopus
10	S Sadheesh	Monitoring and Analyzing the effects of heavy metals in air based on ecological and health risks in Coimbatore	IOP - Conference series: Earth and Environmental Science	Dec 2022	1125 (1)	12002	Scopus
11	Dr. S. Ramakrishnan	Investigation on Durability of Study Fiber Reinforced Concrete	IOP - Conference series: Earth and Environmental Science	Dec 2022	1125 (1)	12018	Scopus
12	Dr. S. Ramakrishnan	Economically Improving the quality of construction through Six Sigma and Cost Benefit Analysis	IOP - Conference series: Earth and Environmental Science	Dec 2022	1125 (1)	12012	Scopus
13	Dr. R. Chandra Devi	Transport and fate of textile wastewater contaminants into soil	Global Nest Journal	Feb 2023	25 (5)	20-27	WoS/Scopus



14	S Sadheesh	Analysis of seasonal variation and dispersion pattern of ambient air pollutants in an urban environment	Global Nest Journal	Feb 2023	25 (5)	66-75	WoS/Scopus
15	Dr. P. Saravanakumar	Chimp Optimization Algorithm with Fuzzy Cognitive Map for Vibration-based Damage Detection	IEEE Xplore	April 2023	10105042	1032-1037	WoS/Scopus
16	Dr. R. Chandra Devi	Electrokinetic Remediation for Textile Wastewater Contaminated Soil	Global Nest Journal	May 2023	25 (5)	83-89	WoS/Scopus
17	Dr. V. Yogeshwaran	Biosorption of heavy metal ions from the aqueous solutions using porous Sargassum Wightii (SW) brown algae: batch adsorption, kinetic and thermodynamic studies	Iranian Journal of Chemistry and Chemical Engineering	May 2023	Article in Press		WoS/Scopus
18	Dr. M. R. Ezhilkumar	Removal of Azo Dyes from synthetic wastewater using biochar derived from Sewage Sludge to prevent groundwater contamination	Urban Climate	March 2023	49	101502	WoS/Scopus
19	Dr. V. Yogeshwaran	Hydrochemical Characterization Study of Singanallur lake, Coimbatore	Indian Journal of Environmental Protection	April 2023	43 (4)	376-384	Scopus
20	Dr. P. Saravanakumar	Carbon Black Based Self-Sensing Cement Composite for Structural Health Monitoring – A Review on Strength and Conductive Characteristics	Materials Today Proceedings	April 2023	Article in Press		WoS/Scopus
21	Dr. P. Saravanakumar	Survey of Online Teaching and Learning Methods Special References From Chennai City	European Chemical Bulletin	April 2023	12 (S2)	1652-1656	Scopus
22	Dr. S. Ramakrishnan	Valorization of Annona reticulata biochar by chitosan for the adsorption of Azo dye from Textile effluent	Global Nest Journal	April 2023	25 (6)	109-118	WoS/Scopus



Journal Publications – Academic Year 2021-22 (June 21 – May 22)

S. No	Faculty Author Name	Article Title	Journal Name	Month & Year	Volume / Issue	Page No.	Index
1	V. Yogeshwaran	Experimental studies on the removal of heavy metal ion concentration using sugarcane bagasse in batch adsorption process	Desalination and Water Treatment	May-2021	224 (2021)	256 - 272	WoS/ SCOPUS
2	M.R. Ezhilkumar	Seasonal and vertical characteristics of particulate and elemental concentrations along diverse street canyons in South India	Environmental Science and Pollution Research, Springer Nature	Jul-21	29	85883–85903	WoS/ SCOPUS
3	S. Ramakrishnan	Investigation on Retrofitting of Reinforced Concrete Beam with Glass Fiber and Banana Fiber Mat	Materials Research Proceedings	Aug-21	19	150-160	WoS/ SCOPUS
4	P.Saravanakumar	Mechanical properties of recycled aggregate concrete treated by variation in mixing approaches	Journal of Construction	Aug-21	20	236 - 248	WoS/ SCOPUS
5	P.Saravanakumar	Properties of concrete having treated recycled coarse aggregate and slag	Journal of Construction	Aug-21	20	249 - 258	WoS/ SCOPUS
6	P.Saravanakumar	Enhancing the quality of recycled coarse aggregates by different treatment techniques—a review	Environmental Science and Pollution Research, Springer Nature	Sep-21	28(40)	60346–60365	WoS/ SCOPUS
7	R. Chandra Devi	GIS Based Spatial and Temporal Investigation of Groundwater and Soil Quality along Noyyal River, Tiruppur, India	Journal of the Geological Society of India	Sep-21	97	1097-1104	SCOPUS
8	G. Preethi	Study on psychological	AIP Conference Proceedings	Oct-21	2408-30005	1-7	WoS/ SCOPUS



		performance of occupant in Indian buildings influenced by human comfort and indoor air quality					
9	G. Preethi	Effect of indoor air quality on human health-A review	AIP Conference Proceedings	Oct-21	2408-20015	1-8	WoS/ SCOPUS
10	D. Maruthachalam	Experimental investigation on grades of cement in the nominal and design concrete mixes	Journal of Physics: Conference Series	Nov-21	2070-012169	1-6	SCOPUS
11	P.Saravanakumar	Performance enhancement of recycled aggregate concrete - An experimental study	Applied Science and Engineering Progress	Jan-22	15(1)	1-10	SCOPUS
12	V. Yogeshwaran	Investigation of mechanism of heavy metals (Cr6+, Pb2+& Zn2+) adsorption from aqueous medium using rice husk ash: Kinetic and thermodynamic approach	Chemosphere (Elsevier)	Jan-22	286(3)	131796	WoS/ SCOPUS
13	S. Ramakrishnan	Experimental investigation of geopolymer concrete	AIP Conference Proceedings	Jan-22	2385 - 100004	1-10	WoS/ SCOPUS
14	G. Preethi	Importance of Radon Assessment in Indoor Environment-a Review	Materials Today: Proceedings	Jan-22	56(P3)	1495-1500	WoS/ SCOPUS
15	S. C. Boobalan and M. Sivakami Devi	Investigational Study on the influence of Lime and Coir Fiber in the Stabilization of Expansive Soil	Materials Today: Proceedings	Jan-22	60 (P1)	311-314	WoS/ SCOPUS
16	V.M. Divyadharshini, D. Karthickraja, R.P. Thamilselvan, V. Yogeshwaran	Experimental studies on partial replacement of E-waste and Blast Furnace Slag in concrete	Materials Today: Proceedings	Feb-22	62(P4)	2000-2004	WoS/ SCOPUS
17	M.R. Deepak Chakravarthy, V. Gopalakannan, S. Vengatesh Prasath & V. Yogeshwaran	Treatment of Brackish water using acrylic solar still with concentrating dish	Indian Journal of Environmental Protection	Mar-22	42(3)	350-356	SCOPUS
18	Yogeshwaran V.	Investigation of mechanism of	Global Nest Journal	Mar-22	24(2)	297-310	WoS/ SCOPUS



		metal ions adsorption from aqueous solutions using prosopis juliflora roots: Batch and fixed bed column studies					
19	A. Jesudass, M. Karthick, P.A. Nishanth, S. Sanjay Anand	Optimization of Embodied Energy and Operational Energy of School Design by Comparing Conventional and Sustainable Material Configurations	Materials today: Proceedings	Apr-22	65 (P2)	1169-1177	WoS/ SCOPUS
20	S. C. Boobalan, M. Salman Shereef, P. Saravanaboopathi and K. Siranjeevi	Studies on Green Concrete - A Review	Materials Today: Proceedings	Apr-22	65 (P2)	1404-1409	WoS/ SCOPUS



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Journal Publications – Academic Year 2020-21 (June 20 – May 21)

S. No	Faculty Author Name	Article Title	Journal Name	Month & Year	Volume / Issue	Page No.	Index
1	P.Saravanakumar	Behaviour of Alkali Activated Concrete under Marine Conditions	IOP Conference Series: Materials Science and Engineering	Jun-20	872	1 -6	Scopus
2	V. Yogeshwaran	Adsorption of Lead ion concentration from the aqueous solution using tobacco leaves	Materials today : Proceedings	Jun-20	37 (2021)	489 - 496	WoS / SCOPUS
3	Vighnesh R, Prabhath Ranjan Kumar S	Improvements in mechanical and durability parameters of bio engineered concrete with metakaolin as a partial substitute for cement.	European Journal of Environmental and Civil Engineering	Jul-20	872	1 -6	WoS / SCOPUS
4	M.R.Ezhilkumar	Analysis of vertically measured PM2.5 and PM10 in street canyons and cohort health risk estimation at Chennai	Environmental Engineering Science	Aug-20	37 (2021)	489 - 496	WoS / SCOPUS
5	R.Vighnesh	Usage of Insulated refractory castable furnace for making joint less bangles	Materials today : Proceedings	Oct-20	46(9)	3174-3179	WoS / SCOPUS
6	D. Maruthachalam	Analytical Examination of Reinforced Concrete with Hybrid Fibres Exterior Beam Column Joint	IOP Conference Series: Materials Science and Engineering	Dec-20	981 - 032064	1-9	SCOPUS
7	S. C. Boobalan, V.	Performance of Sustainable Concrete with Crushed Rock Fines - A Review	IOP Conference Series: Materials Science and Engineering	Dec-20	981 - 032064	1-9	SCOPUS
8	Ramakrishnan S	Study on current trend in traffic volume count: Analysis of various modes	IOP - Material Science and Engineering as conference proceedings	Dec-20	981 - 032065	1-7	SCOPUS
9	P. Saravanakumar	Efficient Utilization of Recycled Concrete Aggregates for Structural	Proceeding of SECON'20 published in "Lecture notes in Civil Engineering"	Jan-21	97	567-579	SCOPUS



		Applications – An Experimental Study	published by Springer				
10	S Ramakrishnan	Adobe blocks reinforced with natural fibres: A review	Materials Today: Proceedings	Jan-21	45/7	6493-6499	WoS / SCOPUS
11	M.R.Ezhilkumar	Vertical transport of PM2.5 and PM10 and its source identification in the street canyons of Chennai metropolitan city, India	Atmospheric Pollution Research	Jan-21	12/1	171-183	SCOPUS
12	S. Vaishnavi Devi	Utilization of Recycled Aggregate of Construction and Demolition waste as a sustainable material	Materials today : Proceedings	Feb-21	45/7	6649-6654	WoS / SCOPUS
13	D. Maruthachalam	A sustainable Approach of Characteristic Strength of Concrete Using Recycled Fine Aggregate	Materials Today: Proceedings	Feb-21	45/7	6377-6380	WoS / SCOPUS
14	P. Saravanakumar	An Experimental study on Hybrid Fiber Reinforced Concrete Beams Subjected to Torsion	Materials Today: Proceedings	Feb-21	45/7	6818-6821	WoS / SCOPUS
15	A.Jesudass	Earthen Blocks with Natural Fibres - A Review	Materials Today: Proceedings	Feb-21	45/7	6979-6986	WoS / SCOPUS
16	S. C. Boobalan	A Comprehensive Review on Strength Properties for making Alccofine based High Performance Concrete	Materials Today: Proceedings	Feb-21	45P6	4810-4812	WoS / SCOPUS
17	V. Yogeshwaran	Removal of heavy metal ion concentrations from the wastewater using tobacco leaves coated with iron oxide nanoparticles	International Journal of Environmental Science and Technology	Mar-21	19(3)	1-16	WoS / SCOPUS
18	S. Sadheesh	Adsorption Of Endosulfan From Aqueous Solution Using Graphene Clay Matrix (Gcm)	Materials Today: Proceedings	March 21	45P6	5665 - 5671	WoS / SCOPUS



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Journal Publications – Academic Year 2019-20 (June 19 – May 20)

S. No	Faculty Author Name	Article Title	Journal Name	Month & Year	Volume/ Issue	Page No.	Index
1	R.Vighnesh, S. Prabhath Ranjan Kumar,	Serviceability of Gandhipuram flyover - Coimbatore	International Journal of Engineering and Advanced Technology (IJEAT)	Jun-19	8 (5)	30-32	Scopus
2	P.Saravanakumar, G.Preethi	Domestic Wastewater Treatment using Flyash as Adsorbent	International Journal of Engineering and Advanced Technology (IJEAT)	Jun-19	8 (5)	1465-1468	Scopus
3	J.Thaarini	Computation of optimum proportions of cotton textile effluent in the development of Geopolymer concrete	International Journal of Engineering and Advanced Technology (IJEAT)	Jun-19	8(5)	602-607	Scopus
4	A.Jesudass,	Development of an Integrated and Sustainable Model for Solid waste management in an Urban Environment	International Journal of Engineering and Advanced Technology (IJEAT)	Jun-19	8(5)	796-802	Scopus
5	G.Preethi,	Blockchain based Waste Management	International Journal of Engineering and Advanced Technology (IJEAT)	Jun-19	8(5)	2632-2635	Scopus
6	P.Saravanakumar	Application of Sustainable Materials in Concrete - A Short Review	Indian Journal of Science and Technology	Jul-19	12 (25)	43647	Others
7	D. Maruthachalam S.C. Boobalan	Effects of Polyethylene Terephthalate and Steel Fibre in Hybrid Fibre Reinforced Concrete	Indian Journal of Science and Technology	Aug-19	12(29)	1-7	Others
8	J.Thaarini	An Experimental Study on Recovery of Energy from Biodegradable Waste with Eichhornia Crassipes in TKRCET, Hyderabad, Telangana	Indian Journal of Science and Technology	Aug-19	12(29)	1-7	Others
9	M. Sugunadevi	Experimental Research on the behaviour of concrete containing waste plastic	International Journal of innovative Technology and Exploring	Aug-19	8(10)	1427-1430	Scopus



		granules as a fine aggregate replacement	Engineering				
10	R. Elangovan	Strength Properties of Fibre Reinforced Self Consolidating Concrete with Foundry Waste Sand	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Aug-19	8(10)	1530-1538	Scopus
11	V.Yogeshwaran	Membrane Process and Graphene Nano-Particles in water treatment	Intenational Journal of innovative Technology and Exploring Engineering	Aug-19	8(10)	1431-1435	Scopus
12	Prabhath Ranjan Kumar, R.Vighnesh	Self Healing of Microcracks in linings of Irrigation Canal Using Coir Fibre Reinforced Bio-Concrete	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Sep-19	8(11)	3275-3280	Scopus
13	P.Saravanakumar	Behaviour Of Strengthened Masonry Arches With Steel Reinforced Grout	International Journal of Scientific & Technology Research	Jan-20	9(1)	648-654	Scopus
14	Maruthachalam, D., Sugunadevi, M.	Experimental Investigation of Different color Pigments on Concrete	International Journal of Scientific & Technology Research	Feb-20	9(2)	2382-2384	Scopus
15	S Sadheesh	GIS Based Assessment of Water Quality in Periyakulam Lake of Coimbatore City	Indian Journal of Environmental Protection	Feb-20	40(2)	161 -167	Scopus
16	V.Yogeshwaran	Treatment of fish Processing Industrial Waste Water Using Immobilized Jacketed Column Reactor	International Journal of Scientific & Technology Research	Mar-20	9(3)	6284 - 6290	Scopus
17	S.C. Boobalan	Numerical Investigation of Reinforced Concrete Skew Slabs	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Mar-20	9(5)	512-516	Others
18	S Vaishnavi Devi	Microstructure Study on Flyash Based Geopolymer Paste	Test Engineering and Management	Apr-20	83	14419-14426	Others
19	R.Vighnesh	Modelling of Ecological Regenerative Nest for Special Children (ERNS) using regenerative and bio-mimicry concepts	International Journal of Scientific & Technology Research	Apr-20	9(4)	760-773	Scopus



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Journal Publications –2015-19

S. No	Faculty Author Name	Article Title	Journal Name	Year	Volume/ Issue	Page No.	Index
1	D. Maruthachalam	Experimental Asymptotic Analysis of Fibrous self-curing Concrete exposed to Acid and Salt attack	Journal of Industrial Pollution Control	2015	31(1)	61-67	SCOPUS
2	D. Maruthachalam	Influence of fibreson Robustness Characteristics of self-curing concrete	Ecology, Environment and Conservation	2015	21(1)	357-362	SCOPUS
3	D. Maruthachalam	Behaviour of Polyolefin Macro-Monofilament Fibre Reinforced High Performance Concrete Beam-columns	International Journal of Earth Sciences and Engineering	2015	8(1)	266-274	SCOPUS
4	D. Maruthachalam	Mechanical properties of high strength concrete with metallic and non-metallic fibres	Journal of Structural Engineering (India)	2015	41(6)	649-654	SCOPUS
5	V. Gayathri	Shear strength behaviour of clay reinforced with treated coir fibres	Periodica Polytechnica Civil Engineering	2016	60(2)	135-143	WoS
6	D. Maruthachalam	Experimental Investigation on The Flexural Behavior of Polyolefin Macro-Monofilament Fibre Reinforced High Performance Concrete Beams	International Journal of Civil Engineering and Technology	2017	8(6)	436-449	SCOPUS
7	P. Saravanakumar	Studies on Structural Behaviour of Recycled Aggregate Concrete with Waste Clay Tiles and Fly Ash	International Journal of Civil Engineering and Technology	2017	8(7)	544-555,	SCOPUS



8	J.Tharrini	Improvements in the Microstructural and Mechanical properties of Geopolymer concrete containing NMF's of E-wastes as partial replacement of aggregates	European Journal of Environmental and Civil Engineering (TECE)	2017	Article in Press	01-Dec	WoS
9	S.Vaishnavi Devi	Cost Escalation in Construction Projects	International Journal for Research in applied science and Engineering Technology	2017	5(1), pp.	271 - 277	Others
10	S.C.Boobalan	Experimental Investigation of Fibre reinforced concrete using Hemp fibre and Silica fume	International Journal of Research in Engineering and Technology	2017	6(6),	112 - 115	Others
11	V.Mithun	Application of Earned Schedule Method in Construction	International Journal of Emerging Trends in Engineering and Development	2017	4(7), pp	26 - 42	Others
12	D. Maruthachalam	Partial Replacement of Fine Aggregates Through House hold waste ash in concrete	International journal of chemtech research	2017	10(08), pp.	127- 133	Others
13	D. Maruthachalam	Study on corrosion of reinforced concrete beams with fly ash and Glass fibre reinforced polymer	International journal of chem tech research	2017	10(14), pp	.281- 286	Others
14	G.Preethi	Synthesis and Characterisation of Activated carbon coated with Nano Zinc oxide – Photocatalyst from Paper Sludge	International Journal of Advanced Research Trends in Engineering and Technology	2017	4(22)		Others
15	D. Maruthachalam	Chloride Ion Permeability Studies on Fibre based High Performance Concrete	International Journal of Advanced Research Trends in Engineering and Technology	2017	4(22)		Others
16	P. Saravanakumar	Strength and Durability Studies on Geopolymer Recycled Aggregate Concrete	International Journal of Engineering and Technology	2018	7, (2.24)	370 - 375	SCOPUS



			(UAE)				
17	P. Saravanakumar	Strength Characteristics of Ternary blended Recycled aggregate concrete	International Journal of Civil Engineering and Technology	2018	9(9)	1083-1092	SCOPUS
18	J.Thaarini	A review on Cavitation Analysis in pipes	International Journal of Civil Engineering and Technology	2018	9(10)	1231-1238	SCOPUS
19	M Sugunadevi	Experimental Study on Piles with Pile Cap at Varying Position under Different Loading Conditions	International Journal of Engineering and Advanced Technology	2018	8 (2)	79 – 83.	SCOPUS
20	Vaishnavi Devi S	Public Transportation Management Strategy for Temple City	International Journal of Engineering and Advanced Technology	2018	8 (2)	163 - 167	SCOPUS
21	D. Maruthachalam	Investigation of Corrosion Damage and Repair system to Strengthen the Critical Infrastructure”	International Journal of Engineering and Advanced Technology	2018	8 (2)	215-220	SCOPUS
22	S.Vaishnavi Devi	Effects Of Delay And Cost Overrun At Multi-Storey Projects In Tamilnadu	International Journal of Advanced Research in Management, Architecture, Technology and Engineering	2018	4(2)	11-15	Others
23	P. Saravanakumar	Evaluation of Compressive Strength of Mineral Admixed Recycled Aggregate Concrete Using Multiple Linear Regression Model	International Journal of Pure and Applied Mathematics	2018	119 (12g),	1019-1029	Others
24	R.Elangovan	Properties of High Strength Self- Compacting Concrete with Copper Slag and Steel Fibres	International Journal of Pure and Applied Mathematics	2018	119 (12),	1031-1050	Others
25	J.Thaarini	Computation Of Optimum Proportions Of Cotton Textile Effluent In The Development Of Geopolymer Concrete	International Journal of Pure and Applied Mathematics	2018	119 (12),	1051-1060	Others
26	D. Maruthachalam	Experimental Study On Mechanical Characteristics Of	International Journal of Pure and Applied Mathematics	2018	119 (12),	1075-1081	Others



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(An Autonomous Institution and affiliated to Anna University, Chennai)



Kuniamuthur, Coimbatore - 641 008

		Self-Curing Concrete Using Natural Fibre					
27	R.Vignesh	An Investigational study on metakaolin-amended bioconcrete	International Journal of Pure and Applied Mathematics	2018	119 (12),	1061-1074	Others
28	Sadheesh S	Ambient Air Quality monitoring and Modelling in Coimbatore City	Indian Journal of Environmental Protection	2019	39(6)	524-530	SCOPUS
29	Boobalan S.C	Experimental study on concrete by using Manufactured sand - A General Review	International Journal of Engineering and Advanced Technology	2019	8 (3)	91-93	SCOPUS
30	V.Yogeshwaran	Removal of heavy metals using nano-particles - A review	Indian Journal of Environmental Protection	2019	39(1)	17-21	SCOPUS
31	V.Yogeshwaran	Industrial Waste Water Treatment Using Advanced Oxidation Process –A Review	International Journal of Engineering and Advanced Technology	2019	8 (3)	485-488	SCOPUS