



Department of Civil Engineering

MANGALAM COLLEGE OF ENGINEERING

AY 2023-24

PAPER PUBLICATIONS					
Sl No.	FACULTY NAME	PAPER TITLE	NAME OF THE JOURNAL	INDEX	YEAR OF PUBLICATION
1	Dr.Swaminathan P.	Experimental and Statistical Investigation to Evaluate Impact Strength Variability and Reliability of Preplaced Aggregate Concrete Containing Crumpled Rubber and Fibres	Materials	SCI	2023
2	Dr. K Arun Kumar	Parametric study on the performance of industrial byproducts based geopolymer concrete blended with rice husk ash & nano silica,	Research on Engineering Structures and Materials (RESM),	SCOPUS	2023
3	Dr. K Arun Kumar	Utilization of silica fume for the production of self compacting GGBS based geopolymer concrete.	AIP Conference Proceedings	SCOPUS	2024
4	Dr. K Arun Kumar	Effect of silica fume on rheological, mechanical and durability properties of ground granulated blast furnace slag based geopolymer concrete	AIP Conference Proceedings	SCOPUS	2024
5	Dr. K Arun Kumar	Experimental investigation on strength characteristics of an RCC beam using silica sand	AIP Conference Proceedings	SCOPUS	2024

6	Dr. K Arun Kumar	A qualitative study and analysis of claim problems in Indian construction industry	AIP Conference Proceedings	SCOPUS	2024
7	Dr. K Arun Kumar	Experimental investigations on fresh and mechanical properties of fly ash and ground granulated blast furnace slag self-compacting geopolymer concrete	Materials Today Proceedings	SCOPUS	2024
8	Gokul P V	An Experimental Study on Performance of Two-Part Geopolymer Concrete Using Natural Binders and Activators.	E3S Web of Conferences	SCOPUS	2024
9	Dr. D RameshKumar	Correlation of Mechanical and Durability Properties of Binary and Ternary Blended High-performance Concrete.	E3S Web of Conferences	SCOPUS	2024
10	Sankar B	Correlation of Mechanical and Durability Properties of Binary and Ternary Blended High-performance Concrete.	E3S Web of Conferences	SCOPUS	2024
11	Dr. K Arun Kumar	Comparative study on the performance of one part and two part geopolymer concrete.	E3S Web of Conferences	SCOPUS	2024
12	Gokul P V	Comparative study on the performance of one part and two part geopolymer concrete.	E3S Web of Conferences	SCOPUS	2024
13	Dr. D RameshKumar	Comparative study on the performance of one part and two part geopolymer concrete.	E3S Web of Conferences	SCOPUS	2025
14	Dr. K Arun Kumar	Improving the Mechanical Properties of High-Performance Concrete using Alccofine and Glass Powder	E3S Web of Conferences	SCOPUS	2024

15	Reni Kuruvilla	Experimental study on partial replacement of fine aggregate in concrete by waste tyre rubber and cement by fly ash,	E3S Web of Conferences	SCOPUS	2024
16	Salini Theres N Kurian	Experimental Study on Rubberized Geopolymer Concrete with Sugarcane Bagasse Ash	E3S Web of Conferences	SCOPUS	2024
17	Aswathy Soman	Experimental study on steel fiber reinforced concrete modified with egg shell powder and nano silica	E3S Web of Conferences	SCOPUS	2024
18	Dr. D RameshKumar	A Novel Perspective in Construction: Analysing the Effects of 3-D Printing Innovation	E3S Web of Conferences	SCOPUS	2024
19	Sankar B	Review of Mechanical, Durability, and Thermal properties of Light weight concrete containing cenosphere	E3S Web of Conferences	SCOPUS	2024
20	Dr. D RameshKumar	Advancements in Concrete Performance by Using Waste materials in the Mixture,	E3S Web of Conferences	SCOPUS	2024
21	Abhijith Kumar A N	Use of plastic waste as recycled material in the concrete	E3S Web of Conferences	SCOPUS	2024
22	Dr.Swaminathan P.	Use of silica fume as a replacement of cement in the concrete	E3S Web of Conferences	SCOPUS	2024
23	Aksharamol G Raj	Advancement of Concrete by Partially Replacing Cement by Zeolite & Fine Aggregate by Glass Powder	E3S Web of Conferences	SCOPUS	2024

24	Nimisha Annie Abraham	Rubber fibre reinforced geopolymer concrete with silica fumes as a replacement for fine aggregate	E3S Web of Conferences	SCOPUS	2024
25	Asha Jose	Understanding Sustainable Alternatives for Industrial Waste Apart from Landfills	E3S Web of Conferences	SCOPUS	2024
26	Dr. K Arun Kumar	Investigation on Feasibility of Utilizing Coffee-Husk Ash as an Alkaline Activator in Geopolymer Concrete	E3S Web of Conferences	SCOPUS	2024
27	Gokul P V	Investigation on Feasibility of Utilizing Coffee-Husk Ash as an Alkaline Activator in Geopolymer Concrete	E3S Web of Conferences	SCOPUS	2024
28	Dr.Swaminathan P.	Experimental Behaviour of Hybrid Fiber-Reinforced Low Calcium Ferro Geopolymer Paver Block	E3S Web of Conferences	SCOPUS	2024
29	Dr. K Arun Kumar	Experimental Behaviour of Hybrid Fiber-Reinforced Low Calcium Ferro Geopolymer Paver Block	E3S Web of Conferences	SCOPUS	2024
30	Gokul P V	Experimental Study on the Behavior of One Part Geopolymer Concrete Using Natural Binders and Activators	E3S Web of Conferences	SCOPUS	2024
31	Silpa Caroline James	Utilization of Cockle Shell Ash, Sea sand and Plastic Waste in the Manufacture of Paver Blocks	E3S Web of Conferences	SCOPUS	2024
32	Mita Ann Zachariah	Guar Gum, Gellan Gum Biopolymer Soil Stabilization	E3S Web of Conferences	SCOPUS	2024

33	Haritha M R	India Analysis of Scope of Wind-Energy Development in India	E3S Web of Conferences	SCOPUS	2024
34	Karthika S Nair	Improving the Quality of the Air and Implementing into Effective Pollution Mitigation Methods	E3S Web of Conferences	SCOPUS	2024
35	Rakhi Sugunan	Integrating forest management and Watershed health for Sustainable Water sources	E3S Web of Conferences	SCOPUS	2024
36	Dr. Radhakrishnan R	Investigation of Solar Powered Single Effect Absorption System	E3S Web of Conferences	SCOPUS	2024
37	Geethu Lal	A Comparative Analysis of Post-Disaster Analysis Using Image Processing Techniques	E3S Web of Conferences	SCOPUS	2024
38	Reni Kuruvilla	Prediction of Streamflow in River Basin-Using ANN	E3S Web of Conferences	SCOPUS	2024
39	Lt. Abhijith Kumar A N	Investigation of Enhanced Landfill Liners Using Kuttanad Clay	E3S Web of Conferences	SCOPUS	2024
40	Dr. Radhakrishnan R	Unscrambling traffic congestion and increasing sustainability in special urban intersection	E3S Web of Conferences	SCOPUS	2024
41	Sreerench Raghavu	The Development of Composites Materials: From Conventional to Innovative Uses	E3S Web of Conferences	SCOPUS	2024
42	Salini Theres N Kurian	A Comprehensive Review on Using Sustainable Materials for Environmentally Friendly Construction Practices	E3S Web of Conferences	SCOPUS	2024

43	Dr. K. Arunkumar	Preface- International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	E3S Web of Conferences	SCOPUS	2024
44	Dr.D.Rameshkmar	Preface- International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	E3S Web of Conferences	SCOPUS	2024
45	Dr. P. Swaminathan	Preface- International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	E3S Web of Conferences	SCOPUS	2024
46	Mr. Sankar B	Preface- International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	E3S Web of Conferences	SCOPUS	2024



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BOOK CHAPTER PUBLISHED					
SL NO:	FACULTY NAME	PAPER TITLE	NAME OF THE JOURNAL	INDEX	YEAR OF PUBLICATION
1	Dr. K Arun Kumar	Utilization of Waste Byproduct in the Production of Green Geopolymer Concrete	Lecture Notes in Civil Engineering	SCOPUS	2023
2	Ms. Anila Mary Jacob	Utilization of Waste Byproduct in the Production of Green Geopolymer Concrete	Lecture Notes in Civil Engineering	SCOPUS	2023
3	Dr. K Arun Kumar	Parametric study on the performance of industrial byproducts based geopolymer concrete blended with rice husk ash & nano silica	Research on Engineering Structures and Materials (RESM),	SCI	2023
4	Ms. Anila Mary Jacob	Remediation of waste water through natural coagulants such as lemon and banana peel	E3S Web of Conferences	SCOPUS	2024

5	Dr. D RameshKumar Dr. Swaminathan P Dr. K Arun Kumar Dr. Sankar B	International Conference on Sustainable Goals in Materials, Energy and Enviornment (ICSMEE'24)	E3S Web of Conferences	SCOPUS & Web of Science	2024
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