TABLE OF CONTENTS

PAPER	PAPER TITLE WITH AUTHOR	PAGE
ID		NO
1	Monitoring Seasonal Drought based on NDVI and NDWI from 2004 to 2023 in	1 - 6
	Kanyakumari District of Tamil Nadu, India	
	S. Chrisben Sam and B. Gurugnanam	
2	An Experimental Study of Effect of Sodium Hydroxide to Sodium Silicate Ratios	7 - 12
	on Mechanical and Durability Properties of Laterite Soil based Geopolymeric	
	Blocks	
	M. Mangaiyarkarsi, R.S. Arul Mozhi and Dr.K. Mahendran	
3	A Data Envelopment Analysis Approach to Benchmarking Water Supply	13 - 18
	Efficiency	
	R. Aswanthika, M. Ramalakshmi and B. Sangeethavani	
4	An Integrated Land Use and Land Cover and Water Quality Study through	19 - 27
	Remote Sensing & Gis of Attur Taluk, Salem, Tamil Nadu	
	R.A. Rejin Nishkalank and B. Gurugnanam	
5	Assessment of Water Quality in Nadumandalam Village Nadham Block, Dindigul	28 - 38
	District, Tamil Nadu, India	
	V. Sudhakar, B. Gurugnanam and M. Suresh	
6	Assessment Benchmarking of Water Supply in Aranthangi by Using Data	39 - 44
	Envelopment Analysis (DEA)	
	M. Ramalakshmi, R. Aswanthika and B. Sangeethavani	
7	The Effects of Foaming Agent and Air Entraining Agents Dosage on the Density	45 - 51
	of Ultra-Light Weight Cellular Concrete Bricks	
	P. Harini Brindha, M. Yuvashree and S. Karnal Preeth	
8	Effect of Waste Glass Powder in the Geopolymer Concrete in the Partial	52 - 59
	Replacement of Fly Ash	
	K.A. Madhan Adhithiya, R. Mohamed Fayaz and R.T. Balamurali	
9	The Effect of Bacillus Subtilis Bacteria on Self Healing Properties of Fly Ash,	60 - 66
	GGBFS and Rice Husk ash based Geopolymer Concrete	
	S.G. Charumati, S. Deepajothi and Dr.S. Uma	
10	Attainment of Clean Water and Estimating the Sustainable Development of	67 - 75
	Water Resources	
	S. Manoj, A. Kavin Kishore and B. Sangeethavani	

11	The Effect of Metakaolin on the Mechanical Behaviour of GGBFS based	76 - 79
	Geopolymeric Mud Blocks	70 75
	P. Pradeep Kumar, K. Infant Xavier, N. Vinoth Kumar and Dr.K. Mahendran	
12	An Experimental Study on Geopolymer Mud Blocks Using Glass Powder and	80 - 83
	GGBFS	
	M. Arbaash J Kurana, E. Arul Raj and Dr.K. Mahendran	
13	Role of Gypsum and GGBFS on the Compressive Strength of Geopolymeric	84 - 90
	Mudblocks	
	K. Anuthicsha, K. Infant Xavier, H. Aysha Sithika and Dr.K. Mahendran	
14	The Effects of Waste Marble Powder on Mechanical Properties of Fly Ash based	91 - 97
	Geopolymer Concrete (GPC)	
	K.S. Lokesh, C. Aravindh and R.T. Balamurali	
15	An Experimental Investigation of Pervious Concrete with Partial Replacement of	98 - 106
	GGBFS	
	M. Sanjai Saravanan, P.M. David Joy and R.T. Balamurali	
16	The Effects of NaOH Molarity on the Mechanical Properties of GGBFS based	107 - 112
	Geopolymer Mud Blocks	
	A. Sivaranjani, E. Janani, K. Infant Xavier and Dr.K. Mahendran	
17	Study on the Mechanical Properties of Red Mud based Geopolymer Concrete	113 - 116
	K. Shree Kavi, D. Archanaa and R.T. Balamurali	
18	The Effects of Complete Replacement of Coarse Aggregate with Geopolymer	117 - 121
	Coated Conventional Recycled Aggregate on Mechanical Properties of High	
	Strength Paver Block	
	M. Baraniraja, K. Sivapriyan and Dr.S. Karnal Preeth	
19	The Experimental Investigation on Partial Replacement of Crump Rubber in	122 - 126
	Paver Block	
	H. Mohammed Ibrahim, J. Ignacious Hendry and Dr.S. Karnal Preeth	
20	Synergies of Sustainable Urban Development: Integrating Construction Materials,	127 - 130
	Technological Innovations and Engineering for Water Management	
	K. Asimithaa, S. Sriharithra, S. Veerapathirahariharan and J. Eunice	
21	Assessment of Mechanical Properties of Geopolymer Concrete Paver Blocks	131 - 135
	Using Foundry Sand	
	M. Saikumar, P. Sureshkumar, Hariharan, L. Harivignesh and J.L. Agileshkarthick	

22	Characteristic Protection Structure of Action Plan by Human Resource	136 - 147
	Management on Construction Workers	
	R. Abiraami, V. Johnpaul and R. Ganesh Kumar	
23	Impact Assessment of Cyclone Michaung in Tamil Nadu	148 - 156
	R. Prabakaran, L.S. Arulvel and D. Sathishkumar	
24	Delignification of Prosopis Juliflora Saw Dust by Alkaline Pretreatment for	157 - 159
	Bioethanol Production	
	N. Jegan Durai, S. Bharath, N. Thalaimalai, J. Inbarasu and K. Mathalai	
25	Development of Highway Runoff Rainwater Harvesting System Using Modern	160 - 164
	Surveying Techniques	
	D. Velumani, S. Karthik Raja, T. Bala Guru and S. Kabilan	
26	Experimental Investigation of Geopolymer Concrete Incorporated with Copper	165 - 170
	Slag	
	S. Yuvaraj, Rouf Rayaz Naizk, T. Balaguru, Dr.M. Subahar and G. Mugesh	
27	Experimental Investigation on Stabilization of Black Cotton Soil and Clay Soil	171 - 180
	with Bagasse Ash and Tyre Cord	
	K. Mahendran and B. Sangeethavani	
28	Integrated Drought Assessment Modelling for Theni District Using RS and GIS	181 - 190
	V. Mahesh Kanna, A. Harimadhavan and B. Sangeethavani	
29	The Effect of Different Type's Supplementary Cementious Material (SCM)	191 - 193
	Replacement on the Mini-Slump Flow of High Strength Cement Paste	
	T. Raswanti Lakshmi, S. Kaviya and Dr.S. Karnal Preeth	
30	The Effects of Nano – Al ₂ O ₃ Particle Inclusion on the Workability of Ultra	194 - 198
	High-Performance Concrete	
	S. Karnal Preeth and K. Mahendran	
31	The Effects of Nano – Al ₂ O ₃ Particles on Mechanical Properties of Ultra High	199 - 204
	Performance Concrete	
	S. Karnal Preeth and K. Mahendran	
32	The Effects of Corn Cob Ash Replacement of Mechanical Properties of Cement	205 - 209
	Stabilized Laterite Blocks (CSLBs)	
	S. Sarath and K. Mahendran	
	1	

33	Development of Sustainable Mud based Geopolymeric Masonry Blocks Using	210 - 215
	Fly Ash and GGBFS	
	K. Infant Xavier and Dr.K. Mahendran	
34	Experimental Investigation on Geopolymer Concrete Using Recycled Fine	216 - 224
	Aggregate	
	S. Abinaya and Dr.K. Mahendran	
35	Pre-stressed Concrete Girder for Flyover – A Comprehensive Study	225 - 231
	R. Shanthi Vengadeshwari and L. Subhash Reddy	
36	Removal of Particulate Matter in Air using Prosopis Juliflora Paint	232 - 236
	K. Roopath, A. Janarthanan, S. Mohamed Arshath, R. Jothibasu and P. Ponkarthikeyan	
37	Sustainable Urban Planning: Strategies for Low-Carbon Cities	237 - 245
	Dr.V. Navin Ganesh, Dr.R. Rajkumar, S. Sanjay, B. Rebekka and T. Sabarivelan	
38	Sustainable Water Management in Bengaluru City Using GIS Analysis	246 - 253
	Dr.C. Ravindranath, H. Manoj, M.R. Lakshmi, Prashanth P Myageri and Ravikumar	
39	Weaving Sustainability: Geo-Textile Sheets for Drip Irrigation	254 - 262
	R. Aravindh, J. Yuvaraja, and D. Sathishkumar	