

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.
Department: CIVIL ENGINEERING

1. Publication in Journals (July 2023 to June 2024)

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper (Highlight the KPR Authors name)	Name of the Journal	Volume No, Issue No& Page No	Month & Year	Indexed in Scopus/ SCI/ SCIE/ WoS	Online Link of the paper
1	Properties of Sustainable High Strength Concrete with Waste Copper Slag	Sivamani Jagan, Narayanan Karupasamy, R. Dharmaraj, Periyasamy Thiyaneswaran, Selvarajan Karthikeyan & Kumaravalasu Subramaniam Navaneethan	Journal of Wuhan University of Technology	38, pages 815–822 (2023)	July 2023	SCI	https://link.springer.com/article/10.1007/s11595-023-2764-7
2	Fabrication and Characterization of Partial Bio-nano-silica Inclusion in Fibre-Reinforced Concrete for High-performance Applications	D. Vivek, C. Aravind, S. Gokulkumar , M. Aravindh , and Yalew Asres	Hindawi Advances in Polymer Technology	Volume 2023, Article ID 4379941, 10 pages	August 2023	SCI	https://www.hindawi.com/journal/s/apt/2023/4379941/
3	Experimental Investigation on Carbonation due to Climate Change Impacts	D. Vivek, Jayaguru Chandrasekaran, Gobi Subburaj Rampradheep, Shankar Subramaniam	Global Nest	Published online	August 2023	SCI	https://journal.gnest.org/publication/gnest_05004
4	Drug Repositioning Using Computer-aided Drug Design (CADD), PubMed, Current Pharmaceutical Biotechnology	R Sona, S Kanmani, S Selva Kumar, S Saravanan, S Dhanabalan, M C Sashikkumar, B Stalin, Arpita Roy, N Nagaprasad, M Aruna, Jule Leta Tesfaye, Bayissa Badassa, Ramaswamy Krishnaraj	Current Pharmaceutical Biotechnology	Published online	August 2023	SCIE	https://pubmed.ncbi.nlm.nih.gov/37605405/

5	Influence of presaturated coconut fibre ash pellets in concrete	Gopi Rajamanickam, Saravanakumar R, Elango K S, Kathiresan Karuppanan, Chandrasekar Arumugam	Revista Materia	Volume No 28. No.3	September 2023	SCI	https://doi.org/10.1590/1517-7076-RMAT-2023-0190
6	Performance appraisalment of supplier selection in construction company with fuzzy AHP, Fuzzy TOPSIS, and DEA: A case study based approach	Deepika S, Anandakumar S, Bhuvanesh Kumar M, Baskar C	IOS Press	Article in Press	September 2023	SCI	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs231790
7	Emerging contaminants in the environment and bioremediation control strategies – A review	R. Geethamani, B. Soundara, S. Kanmani	IOP Conf. Series: Earth and Environmental Science	1258 (2023) 012002	November 2023	Scopus	https://iopscience.iop.org/article/10.1088/1755-1315/1258/1/012002
8	Unleashing the resilience of Reinforced Concrete Member retrofitted with composite laminates	K.S. Navaneethan, S. Anandakumar, S. Manoj and P.C. Murugan	Journal of Ceramic Processing Research.	Vol. 24, No. 5, pp. 850~859 (2023)	October 2023	SCI	http://www.jcpr.or.kr/journal/archive/view/2871
9	Performance Evaluation of Fibre Reinforced Pervious Concrete Pavement	R. JEYA PRAKASH, B. SOUNDARA, K.S. ELANGO, S. CHRISTIAN JOHNSON	Revista Română de Materiale / Romanian Journal of Materials	53(3), 227 - 247	October 2023	SCI	https://www.revista-romana-de-materiale.upb.ro/en/ultimul-numar/

10	Comparison of Reinforced Cement Concrete Versus Steel Structures in Health Industry	R. Kavitha, V. Rajeshkumar, S. Sabarinathan, V. Vijai Anand & J. Ajithkumar	Lecture Notes in Civil Engineering	Online: 21 November 2023	November 2023	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-6233-4_5
11	Evaluation of Groundwater Chemistry and Multivariate Statistical Studies in Parts of Tirupur District, India	S. Vikashini, K. Raja, R. Malathy, S.Anandaraj	Journal of Environmental Nanotechnology	Volume 12, Issue no.4	December 2023	Scopus	https://nanoient.org/journals/index.php/jent/article/view/967
12	Comparative Study on Stabilisation of Bentonite Clay Using Municipal Incinerated Bottom Ash and Fly Ash	K. Raja, V. Sampathkumar, S.Anandaraj, S. Hariswaran,G. Dheeran Amarapathi, and B. Srisaran	Lecture Notes in Civil Engineering	Volume 398	January 2024	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-6229-7_30
13	Workflow for Pump House Design Using Building Information Modeling	R. Kavitha, M. Ram Vivekananthan, C. Vinodhini, K. Abhinesh, S. Srinivasan & R. Monishkumar	Lecture Notes in Civil Engineering	Volume 398	January 2024	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-6229-7_40
14	A comprehensive review of the role of soft computing techniques in municipal solid waste management	T. Raja Sree & S. Kanmani	Environmental Technology Reviews	Volume 13, 2024 - Issue 1	January 2024	SCI	https://www.tandfonline.com/doi/full/10.1080/21622515.2023.2293679?scroll=top&needAccess=true

15	Industrial waste phosphogypsum's impact on CO2 reduction and global warming	Saravanakumar R., Gopi R., Elango K.S. and Balai D.	Global NEST Journal	Vol 25, No 9, pp 127-132	January 2024	SCI	https://journal.gnest.org/publication/gnest_05198#:~:text=In%20this%20study%2C%20different%20amounts,increased%20performance%20in%20all%20mediums.
16	Estimation of Compressive Strength of Alkali Activated Soil using Artificial Intelligence Techniques	Dr Manik Deshmukh, Dr. Sneha Thombre, Mohammad Parvej Alam, S. Sadheesh, S. Elavarasan, Devendra Dohare	Material Science and Technology	Vol.23 No.01	January 2024	Scopus	https://www.materialsciencetech.com/mst/article_view.php?id=42121&ctype=a
17	Influence of ceramic waste powder (CWP) in strength and durability performance of coir fiber reinforced concrete	S.Anandaraj, A.R. Krishnaraja, P. Kulanthaivel, P.C. Murugan	Journal of Ceramic Processing Research.	Vol. 25, No. 1, pp. 41~47 (2024)	February 2024	SCI	http://www.icpr.or.kr/journal/archive/view/2908
18	Influence of Aggressive Environment in Macro and Microstructural Properties of Bottom Ash Geopolymer Concrete	R.Saravanakumar, K. S. Elango, V. Revathi, D. Balaji	sustainability	16, 1732.	February 2024	SCI	https://www.mdpi.com/2071-1050/16/5/1732
19	Influence of nano silica on impact resistance and durability of fly ash concrete in structural buildings	R.Saravanakumar, D. Vivek , K.S.Elango, J. Sridhar	Revista Materia	Vol. 29, No.1	February 2024	SCI	https://www.scielo.br/j/rmat/a/IVbD7bPwbVF4Q74yDtZBLfr/?format=pdf&lang=en

20	Development of Green Engineered Cementitious Composite using Fly Ash and Nanosilica for 3D Printing	S. Anandaraj, S. Sakthi Sowmya, A. R. Krishnaraja, T. Mithun	Journal of Environmental Nanotechnology	Volume 13, Issue no.1	March 2024	Scopus	https://nanoient.org/journals/index.php/jent/article/view/1011
21	Sustainable utilization of cement kiln dust and GGBS in the development of eco-friendly concrete composite	Arunvivek G K, R.Saravanakumar, K. S. Elango, V Rajeshkumar	Revista Materia	29 (2) • 2024	March 2024	SCI	https://www.scielo.br/j/rmat/a/NRWC3hfmKgy5pflL7TJF5sS/
22	Mechanical properties of recycled concrete aggregates with superplasticizer	Balasubramaniam Nachimuthu, Rajeshkumar Viswanathan, Yuvaraj Subramaniyan, Jeyanth Baskaran	Matéria (Rio J.)	29 (2) • 2024	May 2024	SCI	https://www.scielo.br/j/rmat/a/bx3WBpIS8CdGQGFWB5TwC9S/
23	Coastline and geomorphological deviations using DSAS techniques over the past 5 decades (1972–2022) in Tirunelveli District, Tamil Nadu, Indi	D. Ambika, S. Vivek, V. Sampathkumar, S. Anandakumar	Environment, Development and Sustainability	Published online	May 2024	SCI	https://doi.org/10.1007/s10668-024-04937-3
24	Analyzing key success factors in public-private partnership BOT projects: an empirical study on financing influences, insights, and analysis in construction management	Rajkumar Krishnaraj, Anandakumar Subbaiyan, Rajeshkumar Viswanathan, Sampathkumar Velusamy	Revista Materia	Vol. 29, No.2	May 2024	SCI	https://www.scielo.br/j/rmat/a/WN8tRdtWWZSCsXWTM5Lx8Kt/?format=pdf&lang=en

25	Experimental investigation on the influence of cenosphere on mechanical and rheological properties of Portland cement pastes	Arunvivek Gobichettipalayam Kumar, Saravanakumar Ramasamy, Elango Krishnan Soundararajan, Boobala Krishnan Kaveripalayam Venkatachalam	Revista Materia	Vol. 29, No.2	May 2024	SCI	https://www.scielo.br/j/rmat/a/N-NQPV9fRNzYzjJXh3LqHJpQ/
26	An analysis of the durability features and strength of the E-waste concrete	Saravanakumar Ramasamy, Elango Krishnan Soundararajan, Rajeshkumar Viswanathan, Boobala Krishnan Kaveripalayam Venkatachalam	Revista Materia	Vol. 29, No.2	May 2024	SCI	https://www.scielo.br/j/rmat/a/Mr-vKxzVDLtv5PYx5ZwNF7DM/
27	Evaluation of Structural Stability of Four-Storied building using Non-Destructive Testing Techniques	R. Saravanakumar, K.S. Elango, S. Gnana Venkatesh, S. Saravanaganesh	Int. Res. J. Multidiscip. Technovation	6(4) (2024) 1-7	June 2024	Scopus	https://journals.asianresassoc.org/index.php/irjmt/article/view/1863#:~:text=In%20this%20present%20study%2C%20an,the%20structure%20was%20also%20assessed.
28	Improving durability and mechanical features of silica fume and waste glass powder in eco-friendly self-compacting concrete	Vennila Aruchamy, Yuvaraj Subramaniam, Rajeshkumar Viswanathan, Arunkumar Manoharan	Revista Materia	Vol. 29, No.2	May 2024	SCI	https://www.scielo.br/j/rmat/a/dh-yYnZfkD98VsgGNwRDLjGk/?lang=en

2. Publication in Indexed Conferences (July 2023 to Till June 2024)

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Name of the Conference & Organizer	Conference Date	Indexed In Scopus/ WoS	Is it available in Scopus Author Search?
1	A study of hybrid fibre reinforced concrete with E-plastic waste	Rajendra Prasath C, Dhanalakshmi A, Vivek D, Diana Alice Sugunan, Clara D, Hari Preeta C	E3S Web of Conferences	ICSTCE 2023	Scopus	Yes
2	Performance of geo-polymer 3D printing concrete under ambient curing	Meenakshi B S, K. Dhinesh, G. Anusha	AIP Proceedings & ICATCHCOME	Feb 2022	Scopus	Yes
3	Study on mechanical properties of silica fume based reactive powder concrete	Malathy Ramalingam, Deepalakshmi Dhamotharan, Karuppasamy Narayanan, Dharmaraj R	Materials Today: Proceedings	ICATCHCOME 2023	Scopus	Yes
4	Investigations on mechanical and durability properties of concrete with waste glass powder and ground granulated blast furnace slag	D. Vivek, Jayaprakash Sridhar, G. S. Rampradheep, K. S. Elango, G. N. R. Sankar, S. Anandaraj	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes

5	Examining the durable characteristics of materials for engineered cementitious composites	G. Anusha, M. Vijayakumar, M. Athipathy, B. Vigneshkumar	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes
6	Valorization of self-compacting concrete added with recycled aggregate and slag aggregate	S. Vinoth, V. Rajeshkumar, N. Santhosh, K. M. Kavin, N. Aravindan, S. N. S. Nithishwarr	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes
7	Assessment on the contribution of four different plant roots on protecting the slope and its stimulation on 3dimensional analysis of finite element method	S. Karthik, S. Anandaraj, M. Senthil Rajan, R. Gobinath, S. Rajasekar, R. Navinkumar	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes
8	Improvement of mechanism and anticorrosive behaviour reinforcement concrete using green inhibitors	R. Dharmaraj, S. Karthick, R. Malathy, N. Karuppasamy, M. Hariprasath, Gayathry Girish	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes
9	Manufacture of fly ash bricks by utilizing industrial wastes and assessing its performance and applicability	S. Yuvaraj, R. Ashwathi, V. Rajeshkumar, S. Anandaraj, A. Dinesh	AIP Proceedings & ICAPSM 2022	ICAPSM 2022	Scopus	Yes

10	Compressive strength endorsement with regression props of inflection and tolerance for material substituted self compacting concrete with fiber reinforcement	N. Balasubramaniam, V. Kavinkumar, K. Boopathy	Materials Today: Proceedings	ICATCHCOME 2023	Scopus	Yes
11	A study on reduction of air pollution by adding mesoporous adsorbent in road pavements	P. Indhiradevi, B.S.Meenakshi, M. Ram Vivekanandhan, G. Keerthigha, Nekkil Chettri, Poorna pushkalapriya	MATEC Web of Conferences 384, 01001 (2023)	SPICE 2023	WOS	Yes
12	Development of alternatives for Signalized intersection- A Case study of Laxmi Mill junction, Coimbatore	P. Indhiradevi, B.S.Meenakshi, M. Ram Vivekanandhan, G. Keerthigha, Nekkil Chettri, Poorna pushkalapriya	MATEC Web of Conferences 384, 01005 (2023)	SPICE 2023	WOS	Yes
13	Experimental Investigation on Beam with Composite Reinforcement Using Mild Steel Tube In-Filled with Crumb Rubber	N. Balasubramaniam, V. Kavinkumar and T. Santhoshkumar	E3S Web of Conf.	International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	Scopus	Yes
14	Retrofitting of Thermally Affected Structural Compression Member Using Basalt FRP Laminates	Venkat Raman S, Naveen Kumar S, G. Anusha, Jegan S and Kailash Krishnan K	E3S Web of Conf.	International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	Scopus	Yes

15	Investigation on Mechanical Properties of Self-Consolidating Concrete containing Slag Aggregate	S. Vinoth, V. Rajeshkumar ¹ , N. Santhosh, S. Nandhini, S. Manisha and R. Mohan Raj Robin	E3S Web of Conf.	International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)	Scopus	Yes
16	Development of super-hydrophobic surface using Tio ₂ to reduce adverse effects of environmental pollutants on buildings	Malathy Ramalingam, Dhivya Kamaraj, SRR Senthil Kumar, R Raghavi, Dharmaraj Rajalinggam	Materials Today: Proceedings	ICATCHCOME 2023	Scopus	Yes

3. Book / Book Chapter Publication (1st July 2023 to Till Date)

S.No	Title of the Book Chapter	Name of the Authors & Affiliation as per the order in papers	Title of the Book & Publisher	Month & Year of Publication	Indexed in Scopus/ WoS
1	A Brief Overview on Microbial Composting (Book Chapter)	G. Anusha, K. Maruthi Venkatesh	Current Innovations in Chemical and Materials Sciences Vol. 3 & B P International	November & 2023	No
2	Wastewater Treatment by Adsorption Agro wastes as adsorbents (Book)	G. Anusha	LAMBERT Academic Publishing	November & 2023	-

3	Basics of Building Materials and Construction	Dr. O. R. Kavitha, S. Sriram, Banu Balakrishna Bharath, C. Vinodhini	Coimbatore Institute of Information Technology	February 2024	-
4	GIS & Remote Sensing Recent Trends Tools and Applications	S. Logeswaran	AG Publishing Home	March 2024	-
5	PROPERTIES OF SELF COMPACTING LIGHT WEIGHT AGGREGATE CONCRETE	K.S.Elango, S. Yuvaraj, R.Saravanakumar, D. Vivek, V. Kavinkumar,	Futuristic Trends in Construction Materials & Civil Engineering, IIP Series, Volume 3, Book 6, Part 5, Chapter 1	April 2024	Yes
6	Biodiversity Conservation, Internet of Things in Environmental Science, Deep Learning	Manoj Kumar Sharma, M. Poonguzhali, Prashanthi Sandepogu, S. Logeswaran, Abhijeet Das, Sureshkumar Myilsamy	Reshaping Environmental Science Through Machine Learning and IoT & IGI Global Publisher	May 2024	Yes
7	Sustainable Practices for Green Computing and Digital E-Waste Management	K. R. Kalphana, K. Madu Mathi, A. Ranjithkumar, Sanchita Banerji, S. Anandakumar	Harnessing High-Performance Computing and AI for Environmental Sustainability & IGI Global Publisher	May 2024	Yes

8	Small Business Entrepreneurial Ecosystems in Regional Development	Chandana H. S., S Prabakaran, Sanchita Banerji, T. Kumaresan, S. Anandakumar, Suresh B.	Cases on AI Ethics in Business & IGI Global Publisher	May 2024	Yes
9	Financial and Economic Analysis of Sustainable Practices for Green Computing	M. Nandhakumar, C. Kavitha, Rajimol K. P., R Ramya Sri, S. Anandakumar, S. Boopa	Cases on AI Ethics in Business & IGI Global Publisher	May 2024	Yes
10	Engineered Cementitious Composites (ECC) Through Nano-Composite Integration: Enhancing Construction	Balpreet Singh Madan, S. Logeswaran, M. Veerapathran, Pushpendra Rai, Sanjay Kumar Singh, Sampath B.	Production, Properties, and Applications of Engineered Cementitious Composites & IGI Global Publisher	May 2024	Yes
11	Economic Growth and Blockchain Technology Inferences in E-Mobility	Ravisankar A., Alamelu Mangai S., P. Saravanan, S. Venkatraman, D. Ramya, Boopa Sharma	Cases on AI Ethics in Business & IGI Global Publisher	May 2024	Yes
12	A comprehensive analysis of bioimplant manufacturing advancements	S. Yuvaraj, K. S. Elango, and P. P. Fathimathul Fuhaima	Bioimplants Manufacturing	June 2024	Yes

13	Disaster Risk Reduction and Management	R.Manjula Devi, S.Kanmani, S.M.Senthil, N.Mathan Kumar, S.Anandaraj, P.Kalaivanan	The Charulatha Publications	Dec 2023	-
14	Multiple Choice Questions in Transportation Engineering	S.Logeswaran, S.Anandaraj, A.R.Krishnaraja, K.Raja, S.Karthik, A.Alex Livingston Raja	IIP Publishers - Iterative International Publishers	June 2024	-