

DEPARTMENT OF CIVIL ENGINEERING

FACULTY PUBLICATIONS 2022– 2023

S.NO.	FACULTY NAME	Citation	Doi	Scopus	Sci	Non-Scopus/ Non-Sci
1	M Sam Horrison, Dr. Selvan V and Mr. Satheesh Kumar K. R. P, "Review on Pushover Analysis Procedures" In IJAR SCT, 3(2), pp.514-521.		DOI:10.48175/IJAR SCT-8877			1
2	Eswaramoorthi P. and Gowtham K. "A Critical Analysis of the Structural Performance of Flat Slab without Drop-Thin Plate System", International Journal of Recent Advances in Multidisciplinary Topics, 4(2), 54-57(2023).					1
3	M. Gunal, Eswaramoorthi P and S. Arun Kumar "Comparison and Analysis of Vierendeel Beams under Shear and Bending in RCC, Composite and Steel–A Review" International Journal of Recent Advances in Multidisciplinary Topics, 4(3), pp. 172-175					1
4	Sharan K, Dr. Eswaramoorthi P , Nandhakumar P, "Literature Study on comparative Analysis of Long Span PEB Industrial Shed", In International Journal for Research in Applied Science & Engineering Technology (IJRASET)		DOI: https://doi.org/10.22214/ijraset.2023.49634			1
5	Gayathri V., Ramadevi K., Eswaramoorthi P. and Karthika A.P. "Experimental studies on mechanical properties of high strength concrete using fly ash and alccofine", In AIP Conference Proceedings 2446(1), p. 060006. (2022).		https://doi.org/10.1063/5.0109437	1		
6	P. Ponni, Dr. J. Premalatha , "Review on High Early Strength Concrete", In International Journal of Research					1

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	Publication and Reviews, Issue no 3, Volume no 4, pp 4183-4185, March 2023					
7	Rakeshwaran S, Dr. J. Premalatha , "Review on Concrete Blocks with Phosphogypsum" In IJRPR,4(3), pp. 4757-4758					1
8	Vivekananda Sharma S., Hemalatha G and Ramadevi K. "Analysis of magnetic field-strength of multiple coiled MR-damper using comsol multiphysics", Materials Today: Proceedings 66 (2022): 1789-1795.		https://doi.org/10.1016/j.matpr.2022.05.279	1		
9	Somasundhara Naathan M. and Ramadevi K. "Ground-granulated blast-furnace slag (GGBFS) in concrete." In AIP Conference Proceedings, 2446(1), p. 060008(2022).		https://doi.org/10.1063/5.0110212	1		
10	Ramadevi K. and Sindhu V. "Investigations on strength of concrete with basalt fibre, filler materials and recycled aggregates", In AIP Conference Proceedings,2446(1), p. 060002(2022)		https://doi.org/10.1063/5.0109738	1		
11	Gayathri V., Ramadevi K. , Eswaramoorthi P. and Karthika A.P. "Experimental studies on mechanical properties of high strength concrete using fly ash and alccofine", In AIP Conference Proceedings 2446(1), p. 060006. (2022).		https://doi.org/10.1063/5.0109437	1		
12	Johnpaul V., Balasundaram N., Ramadevi K. , Jemimah Carmichael M., and Solai Mathi S. (2022, May). "An Endeavor for Accomplishing GFRG Panel as a Load-Bearing Member in Civil Engineering", In Recent Advances in Civil Engineering: Proceedings of the 2nd International Conference on Sustainable Construction Technologies and Advancements in Civil		https://doi.org/10.1007/978-981-19-0189-8_10	1		

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	Engineering (ScTACE 2021) Springer Nature Singapore, pp.115-122(2022).					
13	Gandhimathi A., Manju R., Ramadevi K. , Rajalakshmi S. and Mayilvahanan I. "A Study of Environmental Impact of Air Pollution on Human Health: PM Deposition Modelling", Global NEST Journal.		https://doi.org/10.30955/gnj.004613	1	1	
14	S. Senthil Kumar, M.J. Parani Dharan, Dr. K. Ramadevi , FLEXURE BEHAVIOUR OF FRP REBAR – A REVIEW, "Bulletin for Technology and History Journal", Issue no 3, Volume no 23, 2023		DOI:10.37326/bthnlv22.1/1158	1		
15	M.J. Parani Dharan, S. Senthil Kumar, Dr. K. Ramadevi , "CYCLIC BEHAVIOR OF BEAM-COLUMN JOINTS WITH VARIOUS GRADES OF HYSD D-BARS AS REINFORCEMENT – A REVIEW" in Bulletin for Technology and History Journal,23(3), pp. 155-160.		DOI:10.37326/bthnlv22.1/1157	1		
16	Niveditha Muruganandam, Sneha Mahalingam, Ramsundram Narayanan , and Elangovan Rajadurai. "Meandered and muddled: a systematic review on the impact of air pollution on ocular health." Environmental Science and Pollution Research, pp. 1-19(2023).		https://doi.org/10.1007/s11356-023-27079-x	1	1	
17	Sneha M., Dheeraj Alshetty., Ramsundram N. and Shiva Nagendra S "Particulate matter exposure analysis in 12 critical urban zones of Chennai, India." Environmental Monitoring and Assessment, 194(9), pp.667(2022).		https://doi.org/10.1007/s10661-022-10321-3	1	1	
18	Sneha Mahalingam and Ramsundram Narayanan . "Covid-19 Influence on Mixed Urban Cluster Air Quality: A Case Study from INDIA" Asian Pacific Journal of		DOI:10.31557/APJEC.2023.6.1.3	1		

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	Environment and Cancer, 6(1), pp. 3-14 (2023).					
19	Sruthi Subramani, and Gayathri Venkataraman . "Synthesis and Evaluation of Eco-Friendly, Ambient-Cured, Geopolymer-Based Bricks Using Industrial By-Products." Buildings 13(2),510(2023)		https://doi.org/10.3390/buildings13020510	1		
20	Jesudass, A., Gayathri v. , Geethan R., Gobirajan M. and Venkatesh M. "Experimental investigation on strength and durability aspects of earthen blocks reinforced with jute fibres." In AIP Conference Proceedings, 2446(1), p. 090010(2022).		https://doi.org/10.1063/5.0108163	1		
21	Gayathri V. , Ramadevi K., Eswaramoorthi P. and Karthika A.P. "Experimental studies on mechanical properties of high strength concrete using fly ash and alccofine", In AIP Conference Proceedings 2446(1), p. 060006. (2022).		https://doi.org/10.1063/5.0109437	1		
22	Gayathri V. , Harshitha D and Govardhan C. "Stabilization of black cotton soil using alccofine and lime." In AIP Conference Proceedings, vol. 2446, no. 1, p. 060007. AIP Publishing LLC, 2022.		https://doi.org/10.1063/5.0109489	1		
23	Gandhimathi A. , Manju R., Ramadevi K., Rajalakshmi S. and Mayilvahanan I. "A Study of Environmental Impact of Air Pollution on Human Health: PM Deposition Modelling", Global NEST Journal.		https://doi.org/10.30955/gnj.004613	1	1	
24	Jamuna M., Gandhimathi M. , Abdul Bari J. and Niveditha T. "Florida's Aquifer Vulnerability to Nitrate Contamination: A GIS Model." Nature Environment and		https://doi.org/10.46488/NEPT.2022.v21i01.028	1		

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25	Silsilah, U. P., and Gandhimathi A. "Environmental Impact Assessment (EIA) and Prediction Method: Case Study", Journal of Technical Education Science, 74, pp.65-74 (2023).		10.54644/jte.74.2023.1337			1
26	Keerthana Devi P., and Geethakarathi A. "Arsenic removal using calcium hydroxyapatite synthesized from paper mill sludge." Applied Water Science, 12(8),174 (2022).		https://doi.org/10.1007/s13201-022-01694-4	1		
27	Geethakarathi A. , Santhiya B., Sumathi V P. "Household Carbon footprint Assessment across an Urban Area, Tirunelveli of India", Ambient Science, 09(3), pp. 42-46(2022).		10.21276/ambi.2022.09.3.ta03	1		
28	Gandhimathi A., Manju R. , Ramadevi K., Rajalakshmi S. and Mayilvahanan I. "A Study of Environmental Impact of Air Pollution on Human Health: PM Deposition Modelling", Global NEST Journal.		https://doi.org/10.30955/gnj.004613	1	1	
29	Subitha, T., Manju R. , and Kumaresan K. "Development of bacterial consortia from traditional lime mortar for the preparation of sustainable and strength-enhanced concrete: A solution for heavy metal toxic concrete." Global NEST Journal,25(4), pp.180-184 (2023).		https://doi.org/10.30955/gnj.004587	1	1	
30	Sasikumar P., and Manju R. "Performance of High Strength Concrete Encased Steel Composite Columns." Revista Română de Materiale/Romanian Journal of Materials, 52(4), pp. 374-384(2022)			1	1	

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31	Subitha Thirupathi and Manju Rajamani , "Reduction of Heavy Metal Toxicity in Cement Using Microorganisms", Revista de Chimie, 74 (2), pp. 20-27(2023).		https://doi.org/10.37358/Rev.Chim.1949	1	1	
32	Sasikumar P. and Manju R. "Structural Behaviour of High Strength Concrete Columns Reinforced with Glass Fibre Reinforced Polymer Bars Under Axial Loading" Revista Română de Materiale / Romanian Journal of Materials, 52 (4), pp.412 – 423(2022).			1	1	
33	Sasikumar P., Nandhakumar P. and Manju R. "An Experimental Work on High Strength Concrete with Addition of Sisal Fibre", In AIP Conference Proceedings, vol. 2446(1), p. 060003(2022).		https://doi.org/10.1063/5.0108053	1		
34	Manju R. and Subitha T. "Experimental Investigation on Strength Properties of Concrete with Metal Slag and Plastic Granules", In AIP Conference Proceedings, vol. 2446(1), p. 060004(2022).		https://doi.org/10.1063/5.0108162	1		
35	S Anand, Dr R Manju and Sindhu Vaardhini, "Contemporary Research on Concrete Canvas", In International Research Journal of Modernization in Engineering Technology and Science		doi.org/10.56726/IRJMETS35188			1
36	Nithin Chakravarthy. L, Dr. Manju. R. , Mr. Nandhakumar P, "An Art of Study on the Behaviour of RC and Precast Concrete Frames with Infills under Lateral Loading" In International Research Journal of Modernization in Engineering Technology and Science		doi.org/10.56726/IRJMETS35189			1
37	M Sam Horrison, Dr. Selvan V and Mr. Sathesh Kumar K. R. P. , "Review on Pushover Analysis Procedures" In IJAR SCT, 3(2), pp.514-521.		DOI:10.48175/IJAR SCT-8877			1

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38	Priyanka P and KRP Satheesh Kumar , "Study on Building Information Modeling (BIM) for Structural Design", In International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Issue no 1, Volume no 3, May 2023.		DOI: 10.48175/568			1
39	Priyanka P and KRP Satheesh Kumar , "Review on Building Information Modeling (BIM) for Structural Design", In International Journal of Research Publication and Reviews.					1
40	Muthukkumaran C, Karthikeyan S, Satheesh Kumar KRP , "Structural Behaviour of Castellated Beam: A Review", In International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Issue no 1, Volume no 3, April 2023.		DOI: 10.48175/IJAR SCT-9011			1
41	Muthukkumaran C, Karthikeyan S , Satheesh Kumar KRP, "Structural Behaviour of Castellated Beam: A Review", In International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Issue no 1, Volume no 3, April 2023.		DOI: 10.48175/IJAR SCT-9011			1
42	Arnesh S, V Senthil Kumar , "Review on Integral Abutment Bridge and RC PSC Bridge", In International Journal of Research Publication and Reviews, Issue no 4, Volume no 4, pp 130-132, April 2023					1
43	Sasikumar P., Nandhakumar P and Manju R, "An Experimental Work on High Strength Concrete with Addition of Sisal		https://doi.org/10.1063/5.0108053	1		

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	Fibre”, In AIP Conference Proceedings, vol. 2446(1), p. 060003(2022).					
44	Nithin Chakravarthy. L, Dr. Manju. R, Mr. Nandhakumar P , “An Art of Study on the Behaviour of RC and Precast Concrete Frames with Infills under Lateral Loading”, In International Research Journal of Modernization in Engineering Technology and Science		doi.org/10.56726/IRJMET S35189			1
45	Sharan K, Dr. Eswaramoorthi P, Nandhakumar P , “Literature Study on comparative Analysis of Long Span PEB Industrial Shed”, In International Journal for Research in Applied Science & Engineering Technology (IJRASET)		https://doi.org/10.22214/ijraset.2023.49634			1
46	Priyanka M and Karthikeyan G “A Systematic Review of Properties of High Strength Concrete using Rice Husk ash as a Replacement”, In International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Issue no 1, Volume no 3, April 2023,		DOI: 10.48175/IJAR SCT-9001			1
47	Ritiga M S and Karthikeyan G , “Utilization of Bauxite Residue (Red Mud) in the Construction Industry -A Review”, In International Journal of All Research Education and Scientific Methods (IJARESM), Issue 4, Volume no 11, April 2023,					1
48	Gandhimathi A., Manju R., Ramadevi K., Rajalakshmi S. and Mayilvahanan I. "A Study of Environmental Impact of Air Pollution on Human Health: PM Deposition Modelling”, Global NEST Journal.		https://doi.org/10.30955/gnj.004613	1	1	

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49	Rupak Kumar Saha and Prabakaran P A , “A Literature Review on Implementation of PPP in Infrastructure Development: An Analysis of Constraints”, In International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT) (May 2023)		DOI: 10.48175/IJAR SCT-9725			1
50	S Anand, Dr R Manju and Sindhu Vaardhini , “CONTEMPORARY RESEARCH ON CONCRETE CANVAS”, In International Research Journal of Modernization in Engineering Technology and Science		doi.org/10.56726/IRJMET S35188			1
51	Krishnan S and Sindhu Vaardini U , “A Review on the Critical Success Factors (CSF) Influencing Modular Integrated Construction”, In International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT), Volume 3, Issue 2, March 2023.		DOI: 10.48175/IJAR SCT-8921			1
52	Krishnan. S, Sindhu Vaardini. U , “Planning, Analysis and Design of an Institutional building”, In International Journal of Research Publication and Reviews, Volume 4 Issue 5, pp 5678-5686, April 2023.		doi.org/10.55248/gengpi.234.4.39054			1
53	Arighnan G and Sindhu Vaardini U , “AN EMPIRICAL STUDY ON SIGNIFICANCE OF BIM ADOPTION IN VARIOUS STAGES OF PROJECT LIFECYCLE” In International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT), Volume 3, Issue 2, March 2023		DOI: 10.48175/IJAR SCT-8919			1
54	Maheshkumar S and Sindhu Vaardini U , “A Study of Inventory Control Technique on Construction Industry”, International Journal of Advanced Research in Science,		DOI: 10.48175/IJAR SCT-8914			1

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55	Nithyanandan S, Sindhu Vaardini U , “A Review on Implementing Lean Construction Technique in Construction Industry”, In International Journal of Advanced Research in Science, Communication and Technology (IJARCT), Volume 3, Issue 2, March 2023		DOI: 10.48175/IJARCT-8920			1
56	Sindhu Vaardini Umaapathy , Shanmugapriya Sundarajan, “BIM Adoption for effective interface management in Indian construction industries”, In Gradevinar, April 2023.		DOI:10.14256/jce.3559.2022	1	1	
57	Nithyalakshmi B. , Saraswathi R. and Praveen S. "Removal of basic fuchsin red dye by turmeric leaf waste biochar: Batch adsorption studies, isotherm kinetics and RSM studies." Global NEST Journal, 25(1), pp 17-27(2023).		https://doi.org/10.30955/gnj.004443	1	1	
58	Nivetha. R, Mrs. A. Vennila , “A Review on Geopolymer Concrete and Its Properties” In IJRTI, 8(3), pp.607-609, ISSN: 2456-3315(2023).					1
59	B. Dharshini, A. Vennila , “A Review on Moss Concrete” In IJRAMT, 4(3), pp.170-171.					1