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List of Publications

1. B. Raj, A., Dhanya Sathyan, and Dr. Mini K. M., "A Study on Performance of Eps Sandwich Foam Concrete Wall Panel", Energy Efficiency, Springer, Manuscript No. ENEF_ D-19-00100, 2020.
2. B. raj, Dhanya Sathyan, and Dr. Mini K. M., "Mechanical and Durability Properties of Hybrid Fiber Reinforced Foam Concrete (Under Review)", Construction and Building materials, CONBUILDMAT-D-19-03919 , 2020.
3. Dr. Mini K. M., S, S., and Dhanya Sathyan, "Effect Of Expanded Perlite Aggregate On The Thermo-Mechanical And Durability Properties Of Foam Concrete (Under review)", Journal of Building Engineering Reference: JOBE_2018_785 , 2020.
4. G. Kottukappalli Febin, A. J. Abhirami, A. Vineetha, V. Manisha, Ramkrishnan R., Dhanya Sathyan, and Dr. Mini K. M., "Strength and durability properties of quarry dust powder incorporated concrete blocks", Construction and Building Materials, vol. 228, 2019.
5. A. Raj, Dhanya Sathyan, and Dr. Mini K. M., "Physical and Functional Characteristics of Foam Concrete: A Review", Construction and Building materials , 2019.
6. A. N. R, Dhanya Sathyan, and Dr. Mini K. M., "Rice Husk Incorporated Foam Concrete Wall Panels as a Thermal Insulating Material in Building", Indoor and built environment, 2019.
7. V. K. Kumar, T. Saravanan, J., Gopalakrishnan, N., and Dr. Mini K. M., "Analytical Investigations on Structural Damage Identification Using Torsional Wave Propagation", Recent Advances in Structural Engineering, , vol. 1, 2019.
8. A. Nadiger and Dr. Mini K. M., "Influence of mineral admixtures and fibers on workability and mechanical properties of reactive powder concrete", Journal of Materials in Civil Engineering, vol. 31, 2019.
9. A. Padanattil, Mahadevan Lakshmanan, Dr. Jayanarayanan K., and Dr. Mini K. M., "Strengthening of Plain Concrete Cylinders with Natural FRP Composite Systems", Iranian Journal of Science and Technology, Transactions of Civil Engineering, pp. 1-9, 2019.
10. Suganya M, Dr. Mini K. M., and Dhanya Sathyan, "Performance of Concrete Made Using Waste Fiber Reinforced Polymer (Frp) Powder as A Partial Replacement for Fine Aggregate", Material today proceeding, vol. 5, no. 11, pp. 24114-24123, 2018.
11. Ardra Mohan and Dr. Mini K. M., "Strength and Durability Studies of SCC Incorporating Silica Fume and Ultra Fine GGBS", Construction and Building Materials, vol. 171, pp. 919 - 928, 2018.
12. E. Parvathi, Mahadevan Lakshmanan, and Dr. Mini K. M., "Strengthening Steel Members with Holes Under Tension Using Unidirectional GFRP Sheets", International Journal of Steel Structures, vol. 18, no. 2, pp. 496-511, 2018.
13. N. Kaarthik Krishna, Sandeep, S., and Dr. Mini K. M., "Study on reinforced concrete beams with helical transverse reinforcement", IOP Conference Series: Materials Science and Engineering, vol. 310, p. 012046, 2018.
14. Dhanya Sathyan, Dr. Anand K. B., Dr. Mini K. M., and Aparna, S., "Optimization of Superplasticizer in Portland Pozzolana Cement Mortar and Concrete", IOP Conference Series: Materials Science and Engineering, vol. 310, p. 012036, 2018.

15. Prakash Chinnaiyan, S.G. Thampi, M. Kumar, and Dr. Mini K. M., "Pharmaceutical Products as Emerging Contaminant in Water : Relevance for Developing Nations and Identification of Critical Compounds for Indian Environment", *Environmental Monitoring and Assessment*, vol. 190, p. 288, 2018.
16. Akshay Nadiger, C. Harinath Reddy C, S. Vasudevan, and Dr. Mini K. M., "Fuzzy logic modeling for strength prediction of reactive powder concrete", *Advances in Intelligent Systems and Computing (International Conference on Intelligent Computing and Applications, ICICA 2016)*, vol. 632, pp. 375-386, 2018.
17. KaVarun Kumar, Saravanan, Tbc Jothi, Sreekala, Rb, Gopalakrishnan, Nbd, and Dr. Mini K. M., "Structural damage detection through longitudinal wave propagation using spectral finite element method", *Geomechanics and Engineering*, vol. 12, pp. 161-183, 2017.
18. B. L. P. Dheeraj Swamy, Raghavan, V., Srinivas, K., K Rao, N., Mahadevan Lakshmanan, Dr. Jayanarayanan K., and Dr. Mini K. M., "Influence Of Silica Based Carbon Nano Tube Composites In Concrete", *Advanced Composites Letters*, vol. 26, no. 1, pp. 12-17, 2017.
19. Aa Padanattil, Dr. Jayanarayanan K., and Dr. Mini K. M., "Novel hybrid composites based on glass and sisal fiber for retrofitting of reinforced concrete structures", *Construction and Building Materials*, vol. 133, pp. 146-153, 2017.
20. A. Padanattil, Mahadevan Lakshmanan, and Dr. Mini K. M., "Strengthening of plain concrete cylinders with natural sisal FRP composite systems", *International Journal of Earth Sciences and Engineering*, 2017.
21. V. Kumar. K and Dr. Mini K. M., "Decelerating the Corrosion of Steel Bars in Concrete by Addition of Mineral Admixtures", *International Journal of Earth Sciences and Engineering*, 2017.
22. P. .M.Mrudul, .Upender, T., Tarun, V., Dr. Meera Balachandran, and Dr. Mini K. M., "Study on Silica Infused Recycled Aggregate Concrete Using Design of Experiments", *Journal of Engineering science and Technology*, vol. 12, no. 10, 2017.
23. K. N Krishna, Sandeep, S., and Dr. Mini K. M., "Study on concrete with partial replacement of cement by rice husk ash", *IOP Conference Series: Materials Science and Engineering*, vol. 149, p. 012109, 2016.
24. K. Praveen, Dhanya Sathyan, and Dr. Mini K. M., "Study on performance of concrete with over-burnt bricks aggregates and micro-silica admixture", *IOP Conference Series: Materials Science and Engineering*, vol. 149, p. 012061, 2016.
25. Dhanya Sathyan, Dr. Anand K. B., and Dr. Mini K. M., "Experimental Study on Portland Pozzolana Cement-Superplasticiser Compatibility in Mortar", *International Journal of Earth Sciences and Engineering*, vol. 09, no. 02, pp. 539-544, 2016.