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List of Publications

1. Jemin Joel S, **Maruthachalam D** and Antony Jeyendran S, "Experimental Asymptotic Analysis of Fibrous self-curing Concrete exposed to Acid and Salt attack", Journal of Industrial Pollution Control, Vol:31, No:01, pp: 61-67,2015.
2. Varatharajan S, **Maruthachalam D** and Poornima V "Influence of fibres on Robustness Characteristics of self-curing concrete", International Journal of Ecology, Environment and Conservation, Vol:21 No:1, pp: 357-362, 2015.
3. **Maruthachalam D** "Behaviour of Polyolefin Macro-Monofilament Fibre Reinforced High Performance Concrete Beam-columns", International Journal of Earth Sciences and Engineering, Vol: 8, No:01, pp.266-274, 2015.
4. **Maruthachalam D** and Karthik M P "Mechanical properties of high strength concrete with metallic and non-metallic fibers", SERC - Journal of Structural Engineering Vol:41, No: 06, pp. 649-654, 2015.
5. **Maruthachalam D**, Saravana kumar P and DivyaDharshini K, "Experimental Investigation on The Flexural Behavior of Polyolefin Macro-Monofilament Fibre Reinforced High Performance Concrete Beams", International Journal of Civil Engineering and Technology, Vol:08, No:06, pp. 436-449, 2017.
6. Saravanakumar P and **Maruthachalam D**, "Studies on Structural Behaviour of Recycled Aggregate Concrete with Waste Clay Tiles and Fly Ash", International Journal of Civil Engineering and Technology, Vol: 08, No: 07, pp: 544-555, 2017.
7. **Maruthachalam D**, Boobalan S C and Vishnuram B G, "Chloride Ion Permeability Studies on Fibre Based High Performance Concrete", International Journal of Advanced Research Trends in Engineering and Technology, Vol.:04, 2017.
8. Sivasankar S M, **Maruthachalam D**, and Venkatesh S, "Study on Corrosion of Reinforced Concrete Beams with Fly Ash and Glass Fiber Reinforced Polymer", International Journal of Chem Tech Research, Vol: 10, No: 14, pp: 281 -286, 2017.
9. Prabhudev R, Keerthiraman K R and **Maruthachalam D** "Partial Replacement of Fine Aggregate through Household Waste Ash in Concrete", International Journal of Chem Tech Research, Vol: 10, No: 08, pp: 127-133, 2017.

10. Thaarrini J, Dhivya S, and **Maruthachalam D**, "Computation of optimum proportions of cotton textile effluent in the development of geopolymer concrete", International Journal of Pure and Applied Mathematics, Vol. 119, No. 12, pp.1061-1074, 2018.
11. **Maruthachalam D** and Nilshima E, "Experimental study on mechanical characteristics of self-curing concrete using natural fibre", International Journal of Pure and Applied Mathematics, Vol. 119, No. 12, pp.1075-1081, 2018.
12. **Maruthachalam D**, Sugunadevi M, Sowmiya A B and Sushmitha P, "Investigation of corrosion damage and repair system to strengthen the critical infrastructure", International journal of engineering and advanced technology, Vol.8, pp.215-218, 2018.
13. **Maruthachalam D**, Boobalan S C and Muthukrishnan V, "Experimental Investigation on Hybrid Fibre Reinforced Concrete with Polyethylene Terephthalate and steel fibre", Indian Journal of Science and Technology, Vol. 12, 2019.

International Conference

1. **Maruthachalam D** and S C Boobalan, "Chloride Iron Permeability Studies of Fibre Based High Reinforced Concrete", International Conference on Recent Advances in Engineering and Technologies, Sri Krishna College of Engineering and Technology, pp. 103, 2017.
2. **Maruthachalam D** and Nilsimha E, "Development and Investigation on Self-Curing Concrete Using Natural Fiber", International Conference on Recent Advances in Engineering and Technologies, Sri Krishna College of Engineering and Technology, pp. 205, 2017.