Dr.L. Krishnaraj

Assistant Professor (Sr.G)

Department of Civil Engineering, Kattankulathur Campus,

SRM Institute of Science and Technology.

Email: krishnal@srmist.edu.in

Journal Publications

1. Alami, F., & Krishnaraj, L. (2020, August). Conceptual Model Analysis on Effects of Detain in Construction Industry by Identifying Various Causes-A Case Study. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 6, p. 062053). IOP Publishing.
2. Sathvik, S., & Krishnaraj, L. (2020, August). A Case Study on Impact of Labours Sleep Deprivation in Construction Project using Application Method. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 6, p. 062055). IOP Publishing.
3. Krishnaraj, L., & Ravichandran, P. T. (2020). Characterisation of ultra-fine fly ash as sustainable cementitious material for masonry construction. *Ain Shams Engineering Journal*.
4. Krishnaraj, L., Niranjan, R., Kumar, G. P., & Kumar, R. S. (2020). Numerical and experimental investigation on mechanical and thermal behaviour of brick masonry: An efficient consumption of ultrafine fly ash. *Construction and Building Materials*, *253*, 119232.
5. Krishnaraj, L., Ramesh, N., Kumar, R. S., & George, P. K. (2020). Characterization Study of Zinc Sulphate's Influence and Retarding Mechanism with Coarser and Finer Fly Ash Particles in Concrete. *KSCE Journal of Civil Engineering*, *24*(9), 2751-2766.
6. Krishnaraj, L., Kumar, V. P., Balasubramanian, M., Kumar, N., & Shyamala, T. (2019). Futuristic evaluation of building energy simulation model with comparison of conventional villas. *International Journal of Construction Management*, 1-10.
7. Krishnaraj, L., & Ravichandran, P. T. (2019). Impact of chloride grinding aid with modified fly ash using topdown nanotechnology on grinding performance. *Construction and Building Materials*, *199*, 225-233.
8. Krishnaraj, L., & Ravichandran, P. T. (2019). Investigation on grinding impact of fly ash particles and its characterization analysis in cement mortar composites. *Ain Shams Engineering Journal*, *10*(2), 267-274.
9. Krishnaraj, L., Ravichandran, P. T., Karthik, M. V. A., & SatheeshramAvudaiyappan, N. (2018). A Study on Porous Sealing Efficacy of hydrophilic Admixture on Blended Cement Concrete. *International Journal of Engineering & Technology*, *7*(2.12), 446-450.
10. Rajkumar, P. K., Krishnaraj, L., & Sundar, C. S. (2018). Characteristic Studies on High-Performance Hybrid Fibre Reinforced Concrete. *Int J Pure Appl Math.*, *118*, 2147-2153.
11. Krishnaraj, L., Ravichandran, P. T., & Sagadevan, S. (2018). Synthesis and characterization of grinding aid fly ash blended mortar effect on bond strength of masonry prisms. *Materials Research Express*, *5*(4), 045052.

12. Krishnaraj, L., Madhusudhan, N., & Ravichandran, P. T. (2017). Experimental Study Of Ultra Fine Particles In Mechanical And Durability Properties Of Fly Ash Cement Composite Mortar. *ARPN journal of engineering and applied sciences*, *12*(7).
13. Krishnaraj, L., Reddy, Y. B. S., Madhusudhan, N., & Ravichandran, P. T. (2017). Effect Of Energetically Modified Fly Ash On The Durability Properties Of Cement Mortar. *Rasayan Journal of Chemistry*.
14. Krishnaraj, L., Ravichandran, P. T., Rajkumar, P. K., & Govind, P. K. (2016). Effectiveness of Alkali Activators on Nano Structured Flyashin Geopolymer Mortar. *Indian Journal of Science and Technology*, *9*, 33.
15. Rajkumar, P. K., Ravichandran, P. T., Ravi, J. K., & Krishnaraj, L. (2016). Investigation on the Compatibility of Cement Paste with SNF and PCE based Superplasticizers. *Indian Journal of Science and Technology, ISSN*, 0974-5645.
16. Krishnaraj, L., Ravichandiran, P. T., & Rajkumar, P. K. (2016). Investigation on Effectiveness of the Top down Nanotechnology in Mechanical Activation of High Calcium Fly Ash in Mortar. *Ind. Jour. Sci. Tech*, *9*, 23.
17. Krishnaraj, L., Giftson, D. J., Tamilvannan, L., & Ravichandran, P. T. (2015). Study on Effect of Fineness and Pozzolanic Reaction of Fly Ash on Mechanical Properties of Cement Mortar. *International Journal of Applied Engineering Research*, *10*(19), 2015.
18. Krishnaraj, L., Ravichandiran, P. T., Annadurai, R., & Rajkumar, P. K. (2015). Study on micro structural behavior and strength characteristics of ultra fine fly ash as a secondary cementitious material with Portland cement. *Int. Jour. Chem. Tech Res*, *7*(2), 555-563.