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## LAST FIVE YEARS PUBLICATIONS

### International Journals :

1. M.Seethapathi,S.R.R.Senthilkumar, K.Chinnaraju, “High Performance Self Compacting Concrete Using Recycled Coarse Aggregate and Eco Sand” “International Journal of Applied Engineering Research” ISSN 0973-4562 Vol. 10 No.47 (2015) (Annexure - II)
2. M.Seethapathi,S.R.R.Senthilkumar, K.Chinnaraju, “Effect of Fly Ash in Self-Compacting Concrete Using Glass Fibers” ,International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.61 (2015) (Annexure - II)
3. R.Gopalakrishnan and K.Chinnaraju,” Durability of Alkalai Activated Concrete – A review”, Australian Journal of Basic and Applied Sciences, vol.9 (27), August 2015, pp.457-464.
4. R.Gopalakrishnan and K.Chinnaraju, “Durability of Alkali Activated Concrete – A Review”, Australian Journal of Basic and Applied Sciences, 9(27), August 2015, pages 457 - 464.
5. Chithra, S., Senthil Kumar, S.R.R.,Chinnaraju, K., Prabhu, S., and Chithra, R., “Analytical investigations on flexural behaviour of HPC beams with copper slag as partial replacement of fine aggregate using ABAQUS” International Journal of Applied Engineering Research, Volume 10, Number 19, 2015, pp. 14054–14058 (AU Annexure II).
6. S.Chitra, S.R.R.Senthil Kumar, K.Chinnaraju, F.AlfinAshmita, “ A Comparative study on the compressive strength prediction models for high performance concrete containing nano silica and copper slag using regression analysis and Artificial Neural Networks”, Construction and Building Materials, ELSEVIER, 114 (2016) 528 – 535.
7. S.Chitra, S.R.R.Senthil Kumar, K.Chinnaraju, “ The effect of colloidal nano silica on workability, mechanical and durability properties of high performance concrete with copper slag as partial fine aggregate”, Construction and Building Materials, ELSEVIER, 113(2016) 794 – 804.

8. R.Gopalakrishnan and K.Chinnaraju, "Durability of alumina silicate concrete based on slag / fly ash blends against acid and chloride environment", Journal of Materials and technology. (2016)
9. Seethapathi, M., Senthilkumar, S.R.R., and Chinnaraju, K., "Study on Fly Ash Based Self-Compacting Concrete with Aggregate Replacements" International Journal "Asian Journal of Research in Social Sciences and Humanities" Vol. 6, No. 9, September 2016, pp.254-271 (2016).
10. Ramkumar V R, K Chinnaraju, Murali Gunasekaran, "On low-energy Impact Response of Fibre Reinforced Concrete Made with Binary and Quaternary Cementitious Blends of Lime Sludge, Fly ash and Metakaolin", Romanian Journal of Materials, 2017, Vol. 47 (4), pp. 491 - 499. (Impact Factor: 0.56) (UGC listed Journal, Scopus).
11. Ramkumar V R, K Chinnaraju, Murali Gunasekaran, "Impact Resistance of Fiber Reinforced Concrete Containing Lime Sludge based Composite Cements", Journal of Structural Engineering, 2017. (Accepted), (UGC listed Journal, Scopus).
12. M.Barath Priyan, K.Chinnaraju, Bidding strategy for building projects based on Game Theory, International journal of Construction Engineering and Planning, vol. 5, Issue 1, PP1 - 11, 2019, ISSN - 2456-2335
13. R.Gopalakrishnan and K.Chinnaraju, "Durability of Ambient cured alumina silicate concrete based on slag / fly ash blends against sulfate environment", Construction and Building Materials. (2019), Vol 204, pp 70 -83
14. S.Sivaramakrishnan and K.Chinnaraju, "Flexural behaviour of concrete beams reinforced with innovative FRP wrapped steel bars", Journal of Structural Engineering, Vol.46 No.3, August - September 2019, pp 200 - 212.

#### **International / National Conferences:**

1. S.Prabhu, S.Chitra, S.R.R.Senthil Kumar, K.Chinnaraju and R.Chitra, 'Analytical study on the behaviour of High Performance Concrete beam by partially replacing natural sand with copper slag using ABAQUS" in 1<sup>st</sup> international conference on Advanced Engineering and Technology for sustainable development (AETSD) 2015 conducted by Karpagam College of Engineering, Coimbatore on 5.3.2015 and 6.3.2015.
2. Balamurugan, R., Chinnaraju, K., and Senthilkumar, S.R.R., "Experimental Study on the Behaviour of FRP Confined RC Columns" presented in the Structural Engineering Convention-2016 during December 23-25, 2016 at SERC campus.
3. Alfin Ashmita, F., Senthil Kumar, S.R.R., Chithra, S., and Chinnaraju, K., "Modelling Elastic Modulus of High Performance Concrete Using Artificial Neural Networks" Presented in International Conference on Explorations & Innovations in Engineering and Technology ICEIET – 2016 conducted by Hindusthan Institute of Technology, Coimbatore on 18.3.2016 and 19.3.2016.
4. Seethapathi, M., Senthilkumar, S.R.R., and Chinnaraju, K., "Study on Application of Eco Sand in Self Compacting Concrete" in "Sustainable Practices in Civil Engineering",

presented in International Conference organized by K.P.R. Institute of Technology, Coimbatore during 16 – 18 of April 2015.

5. Seethapathi, M., Senthilkumar, S.R.R., and Chinnaraju, K., “Study On Fly Ash Based Self Compacting Concrete With Aggregate Replacements” in “Engineering Technology and Sciences”, presented in International Conference organized by Muthayammal Engineering Institutions, Nammakkal on 18 & 19 March 2016.
6. Seethapathi, M., Senthilkumar, S.R.R., and Chinnaraju, K., “Experimental Investigation of Effect of High Volume Fly Ash in Self Compacting Concrete” in “Frontiers in Mechanical Automobile Civil and Electrical Sciences”, presented in National Conference organized by Tamilnadu College of Engineering, Coimbatore on 15 May 2015.
7. F.AlfinAshmita, S.Chithra, S.R.R. Senthilkumar, K. Chinnaraju presented a paper on “Prediction of flexural strength of High Performance Concrete with copper slag and micro/nano silica particles” in the TEQIP-II Sponsored National Conference on “Materials and Technologies for Sustainable Infrastructure (MTSI '16)” conducted by Department of Civil Engineering (S), Government College of Technology, Coimbatore on 29.04.2016 and 30.04.2016.
8. S.Mukesh, S.Chithra, S.R.R. Senthilkumar, K. Chinnaraju, R.Chithra “Prediction of slump flow of Hybrid Fibre Reinforced High Performance Concrete” in the TEQIP-II Sponsored National Conference on “Materials and Technologies for Sustainable Infrastructure (MTSI '16)” conducted by Department of Civil Engineering (S), Government College of Technology, Coimbatore on 29.04.2016 and 30.04.2016.
9. S.Bhuvaneshwari and K.Chinnaraju," Linear dynamic analysis of a multistoried steel frame with eccentric bracings and steel plate shear wall" Proceedings of International conference on sustainable Environment and Civil Engineering, organised by Eswari Engineering college, Chennai, 28 - 29 March 2019, pp 135 - 140.
10. Swetha .B, Shanmugapriya J and Chinnaraju.K, " Effect of Superabsorbent polymer as self curing agent on self compacting concrete incorporating flyash " Proceedings of International conference on sustainable Environment and Civil Engineering, organised by Eswari Engineering college, Chennai, 28 - 29 March 2019, pp 9 - 14.