List of Publications

Name: Dr.R.Chitra, Associate Professor, Government College of Technology, Coimbatore

1. **Chithra R** and Thenmozhi R (2010), "Stress Strain Behaviour of Partially confined Concrete", International Journal of Civil Engineering, Jan-June, pp.33-44.
2. **Chithra R** and Thenmozhi R (2011), "Studies of Prefabricated Cage Reinforced Steel-Concrete Composite Beams" Asian Journal of Civil Engineering (Building & Housing), Vol.12, No.1, pp.27-37.
3. **Chithra R,** Thenmozhi R and Ravathi M.C (2011), "Flexural Ductility of Prefabricated Cage Reinforced Steel-Concrete Composite Beams" Asian Journal of Civil Engineering (Building & Housing), Vol.12, No.6, pp.719-729.
4. **Chithra R,** Thenmozhi R and Ravathi M.C (2011), "An Analytical study on Load-Deflection Response of Prefabricated Cage Reinforced Composite Beams", i-manager's Journal on Civil Engineering (JCE), Vol:3, No:1, pp:1-6
5. **Chithra R**, Thenmozhi R (2011), "Strength and Ductility of Concrete Cylinders Reinforced with Prefabricated Steel Cage", International Journal of Engineering Science and Technology, Vol.3, No.9, pp.6131-6139.
6. **Chithra R**, Thenmozhi R and Ravathi M.C (2012), " Ductility of Prefabricated Cage Reinforced Concrete Beams: Analytical Study", International Journal of Civil and Structural Engineering, Vol.2, No.4, 1026-1034.
7. **Chithra Rethnasamy**, Thenmozhi Rajagopal and Hareesh Muthuraj (2013), "Bending Behaviour, Deformability and Strength Analysis of Prefabricated Cage Reinforced Composite Beams", Elsevier Journal of Construction and Building Materials, Vol:38, No:1, pp: 482-490, doi: 10.1016/jconbuildmat.2012.08.017.
8. Chithra.S, S.R.R.Senthil Kumar, K.Chinnaraju, Prabhu.S, **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.
9. Sabna Ashmi H, **Chithra R** and Chithra S, "Study on the Flexural Behaviour of Fibre Reinforced and Prefabricated Cage Reinfoced Concrete Beams" International Journal of Applied Engineering Research, Volume 10, Number 19 (2015), pp: 13953 – 13958.
10. **Chithra R**, Sunilaa George, Deepa Shri S, Chithra S and Sabna Ashmi H, "An Experimental Study on the Influence of Light weight Aggregate in Self Curing

Concrete" International Journal of Applied Engineering Research, Volume 10, Number 19 (2015), pp: 14016 – 14020.

11. K. Ramadaevi and **R. Chitra**, "Concrete Using Recycled Aggregates", International Journal of Civil Engineering and Technology (IJCIET), Volume 8, Issue 9, September 2017, pp. 413–419.
12. K. Ramadaevi, **R. Chithra** and B. Rajesh, Experimental Study on Strength Properties of Concrete with Different Aspect Ratios of Basalt Fibres", International Journal of Civil Engineering and Technology (IJCIET), Volume 8, Issue 9, September 2017, pp. 629-637.
13. P. Mahakavi, **R. Chithra**, K. Kavitha, Effect of recycled coarse aggregate and foundry sand on the properties of self-compacting concrete, Magazine of Concrete Research, January 15, 2018.
14. Mahakavi, P. and **Chithra, R.,** Effect of recycled coarse aggregate and manufactured sand in self compacting concrete, Australian Journal of Structural Engineering, 2019.
15. **Chithra, R.,** Ramadevi, K., Chithra, S. Ravindranath Chandra, R. and Mangaleshwaran, L., Production of medium strength self compacting concrete using silica fume and quarry dust, International Journal of Engineering and Advanced Technology, 2019, 8(6 Special issue), pp. 65-72.
16. Mahakavi, P. and **Chithra, R.,** Impact resistance, microstructures and digital image processing on self-compacting concrete with hooked end and crimped steel fiber, Construction and Building Materials, 2019, 220, pp. 651-666.