

**Dr.M C. Sundarraja, M.E., Ph.D., PDF.,**

Professor

Department of Civil Engineering

Thiagarajar College of Engineering

Madurai – 625015

Tamil Nadu

e-mail: [mcsciv@tce.edu](mailto:mcsciv@tce.edu)

Mobile: 9443572118

### **List of Publications (Last Five Years)**

1. Ganesh Prabhu. G, Sundarraja. M.C and Kim Yun Yong, “Compressive behaviour of circular CFST columns externally reinforced using CFRP composites”, Thin-Walled Structures, Elsevier Journal Publications, Volume 87, February 2015, Pages 139–148; Impact factor: 4.033; Citations: 24
2. Kiruthika.P, Balaubramanian.S, Sundarraja. M.C and Jegan.J, "Strengthening of concrete filled steel tubular columns using FRP composites", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 4, 2015 Issue 4, pp. 2250-2259; Impact factor: 7.87; Citations: 19
3. Dharani Devi.V and Sundarraja. M.C, "Axial behaviour of CHS externally bonded using CFRP strips", Integrated Journal of Engineering Research and Technology, 2015, pp. 255-263; Impact factor: 1.112
4. Kiruthika.P and Sundarraja. M.C, "Axial behavior of FRP strengthened slender CFST members", International Journal of Engineering Research & Technology (IJERT), 2015, pp. 59-67; Impact factor: 1.112
5. Balasubramanian B, Sundarraja M.C and Jegan J, “Strengthening of CFST columns by using FRP sheet under cyclic loading”, Journal of Applied Engineering Research, Vol. 10, No.77, 2015, pp401-411.
6. Priyadarshni M. and Sundarraja M.C., “Strengthening of semi-compact HSS tubular members using CFRP composites”, Journal of Civil Engineering and Environmental Technology, Krishi Sanskriti Publications, Volume 3, Issue 5; April-June, 2016, pp. 399-405
7. Sindhuja S. and Sundarraja M.C., “FRP Strengthening of Slender CFST members under Compression”, Journal of Civil Engineering and Environmental Technology, Krishi Sanskriti Publications, Volume 3, Issue 5; April-June, 2016, pp. 430-435
8. Balasubramanian S, Jegan J and Sundarraja M C, “Behaviour of FRP strengthened CFST slender members – An analytical investigation”, International Journal of Latest Engineering Research and Applications, Feb 2017, Vol 02, Issue 02, pp 39-44. Impact factor: 2.105
9. Rajesh Babu B and Sundarraja M.C, “Strengthening of square hollow structural steel (HSS) tubular sections using CFRP strips”, International Journal of Advanced Technology in Engineering and Science, April 2017, Vol. 5, Issue 4, pp 25-34; Impact factor: 5.6
10. G R Vijay Shankar, M C Sundarraja, Yun Yong Kim, G Ganesh Prabhu, “Using carbon-fibre reinforced polymer to strengthen concrete-filled steel tubular columns”, Proceedings of the Institution of Civil Engineers-Structures and Buildings, Volume 170 Issue 12, December, 2017, pp. 917-927; Impact factor: 0.965
11. Niroshkumar K, Sundarraja M.C., Karl Marx L.R. (2018), “Damage detection in fly-ash

- basedgeopolymer concrete using surface bonded Piezoelectric sensors", International Research Journal of Engineering and Technology (IRJET), Vol. 5 Issue 4, April 2018, pp 4290-4296. ImpactFactor: 7.529
12. Sangavi G and Sundarraja M.C. (2018), "An Experimental Study on FRP Strengthened ColdFormed Steel Built-Up Channel Section", International Research Journal of Engineering andTechnology (IRJET) Vol. 05 Issue: 04, April 2018, pp 4306-4311.Impact Factor: 7.529
  13. S.Balasubramanian, J.Jegan and M.C.Sundarraja (2020), "ANFIS-Based Acurate Estimation of the Confinement Effect for Concrete-Filled Steel Tubular (CFST)", International Journal of Fuzzy Systems, Springer Publications, <https://doi.org/10.1007/s40815-020-00902-0>, Published on 29 June2020. Impact Factor: 4.406
  14. Ganapathy Ganesh Prabhu and M C Sundarraja (2020), "Design model for concrete-filled steel tube columns under full and local compression loads", Proceedings of the Institution of Civil Engineers -Structures and Buildings, <https://doi.org/10.1680/jstbu.20.00004>, Thomas Telford Ltd Publisher,Published Online: August 19, 2020, Impact Factor: 0.965