

### **International SCI journal**

1. Saravanan. T.J, Rao. G.V.R, Prakashvel. J, Gopalakrishnan. N, Lakshmanan. N and Murty C.V.R (2017), "Dynamic testing of open ground storey structure and in-situ evaluation of displacement demand magnifier", ASCE Journal of Performance of Constructed Facilities, 31 (5), 04017055-1: 20.
2. Saravanan. T.J, Gopalakrishnan. N and Rao. N.P (2017), "Experiments on coupled axial-flexural wave propagation in a sagged rod with structural discontinuity using piezoelectric transducers", Journal of Vibration and Control, 1- 15, DOI: 10.1177/1077546317693431.
3. Kumar. K.V, Saravanan. T.J, Sreekala. R, Gopalakrishnan. N and Mini. K.M (2017), "Structural damage detection through longitudinal wave propagation using spectral finite element method", Geomechanics and Engineering, 12 (1), 161-183.
4. Saravanan. T.J, Gopalakrishnan. N and Rao. N.P (2016), "Detection of damage through coupled axial-flexural wave interactions in a sagged rod using spectral finite element method", Journal of Vibration and Control, 1-20, DOI: 10.1177/1077546316630855.
5. Saravanan. T.J, Balamonica. K, Priya. C.B, Gopalakrishnan. N, and Murthy S.G.N (2017), "Piezo electric-EMI based monitoring of early strength gain in concrete and damage detection in structural components", ASCE Journal of Infrastructure Systems, (In Press).
6. Lakshmi. K, Rama Mohan Rao. A, and Gopalakrishnan, N (2016), "Singular spectrum analysis combined with ARMAX model for structural damage detection", Structural Control and Health Monitoring, On-line on 8-Nov-2016, DOI: 10.1002/stc.1960.

### **National Journal**

7. Bharathi Priya, C. and and Gopalakrishnan, N (2016), "Parameter Identification of Long Stroke and Short Stroke MR Damper for its Use in Semi-Active Vibration Control", Journal of The Institution of Engineers (India): Series A, pp 1-10, doi: 10.1007/s40030-016-0182-y

### **Conference**

8. Saravanan. T.J, Gopalakrishnan. N, Priya. C.B, and Kumar K.S (2016), "Investigations on longitudinal wave propagation of an axial element (pile) with structural discontinuity", Proceedings of the 6th International conference on Recent Advances in Geotechnical Earthquake Engineering & Soil Dynamics (6ICRAGEE), Paper No# 30, 1-9, Greater Noida (NCR), India.
9. Varun Kumar. K, Saravanan. T.J, Gopalakrishnan. N and Mini. K.M (2016), "Analytical Investigations on Structural Damage Identification using Torsional Wave Propagation", Proceedings of the 10th Structural Engineering Convention (SEC)-2016 CSIR-SERC- IIT Madras-AU, Chennai, India.
10. Bharathi Priya C and Gopalakrishnan N, (2016), "Experimental Investigation of the Effect of Temperature on the Characteristics of MR Damper", Proceedings of the 10th Structural Engineering Convention, December 2016, CSIR-SERC, Chennai, India