List of Publications

Consolidated Details of Publications

Sl. No.	Details	Entire period 1986 - 2015
1	Journal Publications	156
2	Geotechnical Special Publications	3
2	Books	6
3	Book Chapters	6
4	Edited Proceedings and Journals	14
5	Conference Papers	251
	Total	**436**

2015

1. Hegde, A. and Sitharam, T.G. (2015). "Experimental and numerical studies on protection of buried pipelines and underground utilities using geocells."*Geotextiles and Geomembranes.* DOI:10.1016/j.geotexmem.2015.04.010
2. Hegde, A.M. and Sitharam, T.G., (2015). "3-Dimensional numerical analysis of geocell reinforced soft clay beds by considering the actual geometry of geocell pockets."*Canadian Geotechnical Journal*, DOI: 10.1139/cgj-2014-0387
3. Hegde, A. and Sitharam, T.G. (2015). "Experimental and analytical studies on soft clay beds reinforced with bamboo cells and geocells."*International Journal of Geosynthetics and Ground Engineering.* 1(2),1-13
4. Sebastian, R &Sitharam, T. G. (2015). "Long wavelength propagation of elastic waves across frictional and filled rock joints with different orientations: Experimental results". *Geotechnical and Geological Engineering* (accepted). (DOI 10.1007/s10706-015-9874-8)
5. Sebastian, R &Sitharam, T. G., "Transformations of obliquely striking waves at rock joint: Numerical Simulations". *International Journal of Geomechanics*, ASCE (accepted).

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6. Hegde, A.and Sitharam, T.G.(2014). "3-dimensional numerical modelling geocell reinforced sand beds", Geotextiles and Geomembranes, DOI:10.1016/ j.geotexmem.2014.11.009.
7. Hegde, A. and Sitharam, T.G. (2014). "Use of bamboo in soft ground engineering and its performance comparison with geosynthetics: Experimental studies". Journal of Materials in Civil Engineering, ASCE,. DOI:10.1061/(ASCE)MT.1943-5533.0001224.
8. Hegde, A. and Sitharam, T.G. (2014). "Effect of in fill materials on the performance of geocell reinforced soft clay beds".Geomechanics and Geoengineering an International Journal. DOI: 10.1080/17486025.2014.921334.
9. Hegde, A. and Sitharam, T.G. (2014). "Joint strength and wall deformation characteristics of a single cell geocell subjected to uniaxial compression".International Journal of Geomechanics (ASCE), DOI: 10.1061/(ASCE)GM.1943-5622.0000433.
10. Sebastian, R &Sitharam,T. G. (2014). “Transmission of elastic waves through a frictional boundary”, International Journal of Rock Mechanics and Mining Sciences: 66, 84 -90.
11. Sitharam T.G., Sreevalsa K. and Naveen James. (2014) “Probabilistic Assessment of Surface Level Seismic Hazard in India Using Topographic Gradient as Proxy for Site Condition” Geoscience Frontiers, doi: 10.1016/j.gsf.2014.06.002
12. Naveen James, Sitharam T.G, Padmanabhan G and Pillai C.S. (2014) “Seismic Microzonation of a Nuclear Power Plant Site with Detailed Geotechnical, Geophysical and Site Effect Studies” Natural Hazards, 71(1), 419-462. doi: 10.1007/s11069-013-0919-0.
13. Naveen James and Sitharam T.G. (2014) “Assessment of Seismically Induced Landslide Hazard for the State of Karnataka” Journal of the Indian Society of Remote Sensing, 1-17. doi:10.1007/s12524-013-0306-z.
14. Anitha Kumari S D, K S Vipin & T G Sitharam (2014), Effect of shape of twin tunnels during seismic loading, Journal of Rock Mechanics and Tunnelling Technology, 20 (1) 49-59.

15. Sitharam, TG and Sil, Arjun (2014),"Comprehensive seismic hazard assessment of Tripura and Mizoram states",.Journal Of Earth System Science, 123 (4). pp. 837-857.

16. Sil, Arjun and Sitharam, TG (2014),"Dynamic Site Characterization and Correlation of Shear Wave Velocity with Standard Penetration Test `N' Values for the City of Agartala, Tripura State, India", Pure And Applied Geophysics, 171 (8). pp. 1859-1876.

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17. Sitharam, T.G., Hegde, A. (2013). Design and construction of geocell foundation to support embankment on soft settled red mud. *Geotextiles and Geomembranes* 41, 55-63.

18. Hegde, A., Sitharam, T.G. (2013). Experimental and numerical studies on footings supported on geocell reinforced sand and clay beds. *International Journal of Geotechnical Engineering*, ManeyPublishing,UK, 7(4), 346-354.

19. Arjun Sil, Sitharam T G and Kolathayar S (2013) “Probabilistic Seismic Hazard Analysis of Tripura and Mizoram States” Natural Hazards Volume 68, Issue 2, pp 1089-1108.

20. Sitharam T G, Kolathayar S and Vipin K S (2013) “Probabilistic Liquefaction Potential Evaluation For India And Adjoining Areas” Indian Geotechnical Journal, 44(3), 269-277.

21. S D Anitha Kumari & T G Sitharam (2013), Effect of aspect ratio on the monotonic shear behaviour – micromechanical interpretations, Journal of Geotechnical and Geological Engineering, 31(5), pp 1543-1553.

22. Anbazhagan P, Kumar Abhishek and Sitharam T. G. (2013), Seismic Site Classification and Empirical Correlation between Standard Penetration Test N value and Shear wave velocity for Deep Soil Sites in Indo-Gangetic Basin. Pure and Applied Geophysics,170 (3), pp 299-318.

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25. Anbazhagan P., Kumar Abhishek and Sitharam, T. G. (2013), Ground Motion Predictive Equation Based on recorded and Simulated Ground Motion Database, Soil Dynamics and Earthquake Engineering,53, pp92-108.

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27. Anitha Kumari S D & T G Sitharam (2012), Liquefaction and Dynamic properties of assemblies with particles of spherical and ellipsoidal shapes: A Discrete Element Approach, International Journal of Geotechnical Earthquake Engineering, 3(1), pp 18-33.
28. Anitha Kumari S D & T G Sitharam (2012), Tunnels In Weak Ground: Discrete Element Simulations, International Society of Rock Mechanics (India) Journal, 1(1), pp15-22.
29. Sitharam T G, Ravishankar B V, Patil S M(2012), Liquefaction and Pore Water Pressure Generation in Sand: Cyclic Strain Controlled Triaxial Tests, Geotechnical Earthquake Engineering (IJGEE), 3, 1, 57-85.
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31. Naveen James, Sitharam T.G, Vipin K.S. (2012) “Assessment of Liquefaction Potential Index using Deterministic and Probabilistic Approaches” International Journal of Geotechnical Earthquake Engineering, 3(2), 60-76. doi:10.4018/jgee.2012070105.
32. Kolathayar S, Sitharam T G and Vipin K S (2012) "Deterministic Seismic Hazard Macrozonation of India". Journal of Earth System Sciences (Springer) Vol. 121, No. 5, pp. 1351–1364.
33. Vipin K S, Sitharam T G and Kolathayar S (2012) "Assessment of Seismic Hazard and Liquefaction Potential of Gujarat Based on Probabilistic Approaches". Natural Hazards (Springer) Volume 65, Issue 2, pp 1179-1195.
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48. Dash H.K. and Sitharam T.G. (2010). “A Sand Skeleton Approach to Undrained Cyclic Response of Sand-Silt Mixtures”, International Journal of Geotechnical Engineering, 5 (1), 9-15.
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50. Ramulu M. and Sitharam T.G. (2010). “Blast induced damage due to repeated vibrations in jointed gneiss rock formation”, Int. Journal of Geotechnical Earthquake Engineering, IGI publications, 1(1), 112-136.
51. Samui P. and Sitharam T.G. (2010). “Applicability of statistical learning algorithms for spatial variability of rock depth”, Mathematical Geology, 42(4), 433-446 (IF 1.048).
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