

## Dr. S S Chandrasekaran

Professor  
Department of Structural & Geotechnical Engineering  
School of Civil Engineering  
Vellore Institute of Technology (VIT)  
Vellore - 632014  
Tamil Nadu, India  
Email : chandrasekaran.ss@vit.ac.in  
sschandrasekaran@gmail.com  
Mobile : +91 9789418172

### Publications

#### Journals

1. Senthilkumar V and **Chandrasekaran S S** (2019) “Failure mechanism of long run out landslide triggered by heavy rainfall in Achanakkal, Nilgiris, India”. *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, 145(9):04019047, (DOI: 10.1061/(ASCE)GT.1943- 5606.0002099)
2. Visuvasam, J. and **Chandrasekaran, S.S** .(2019) “Effect of soil–pile–structure interaction on seismic behaviour of RC building frames” *Innov. Infrastruct. Solut.* (2019) 4: 45. DOI:<https://doi.org/10.1007/s41062-019-0233-0>
3. Senthilkumar V, **Chandrasekaran S S** and Maji V B. (2018) “Rainfall-induced landslides - A case study of Marappalam landslide, Nilgiris District, Tamil Nadu, India”. *ASCE International Journal of Geomechanics*, 18(9): 05018006, DOI: 10.1061/(ASCE)GM.1943-5622.0001218
4. Ganapathy G.P., Zaalishvili V.B., Mel’kov D.A., Dzeranov B.V., **Chandrasekaran S.S.** (2018). “Mapping of Soil Liquefaction Potential Susceptibility for Urban Areas”. *Geology and Geophysics of South of Russia*. Vol.3, 115-124.
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7. Kesavan G, **SS Chandrasekaran**. (2016). “Factors Influencing the Behavior of Flexible Pile Groups under Lateral Loading in Soft Clay”. *Indian Geotechnical Journal*, 46(2):141-151
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9. Elayaraja S, **Chandrasekaran S S**, Ganapathy G P. (2015). “Evaluation of Seismic Hazard and Potential of Earthquake-Induced Landslides of Nilgiris, India”. *Natural Hazards*, 78 (3):1997-2015 (**IF: 1.901**)

10. Gnanavel Kesavan, **Chandrasekaran S S.** (2015). "Experimental investigations on lateral behaviour of pile groups in sand" *Disaster Advances* 8(4):15-28
11. Kesavan G. and **S.S.Chandrasekaran.** (2015) "Geotechnical investigation, field load test and analysis of full-scale bored pile" *Applied Mechanics and Materials* Vols. 813-814 (2015) pp 1126-1130
12. **Chandrasekaran S. S.,** Sayed Owaise R., Ashwin. S., Rayansh M Jain, Prasanth S., and Venugopalan R. B. (2013). "Investigations on infrastructural damages by rainfall-induced landslides during November 2009 in Nilgiris, India." *Natural Hazards*, 65 (3), 1535-1557.
13. **Chandrasekaran S. S.,** Boominathan, A. and Dodagoudar, G. R. (2013). "Dynamic response of laterally loaded pile groups in clay" *Journal of Earthquake Engineering* (17 (1), 33-53.
14. **Chandrasekaran S. S.,** Boominathan A. and Dodagoudar G. R. (2010). "Group interaction effects on laterally loaded piles in clay." *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, 136(4), 573-582.
15. **Chandrasekaran S. S.,** Boominathan, A. and Dodagoudar, G. R. (2010). "Experimental investigations on the behaviour of pile groups in clay under lateral cyclic loading," *Geotechnical and Geological Engineering*, 28: 603 – 617.
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2. Senthilkumar V and Chandrasekaran S S (2018) "Evaluation of residual strength of landslide reactivated soil". In Proceedings of China-Europe Conference on Geotechnical Engineering, SSGG, Edited by I W Wu and H S Yu, 1-5, Springer, Switzerland.
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