LIST OF PUBLICATIONS

Faculty: Dr Raviteja KVNS

Department of Civil Engineering

JOURNAL PUBLICATIONS

Raghuram, A.S.S., Basha, B.M. and **Raviteja, K.V.N.S.** (2021). "Variability Characterization of SWCC for Clay and Silt and its Application to Infinite Slope Reliability." *Journal of Materials in Civil Engineering*, ASCE, 33(8): 04021180 1 -17, doi: 10.1061/(ASCE)MT.1943-5533.0003809

Raviteja, K.V.N.S. and B. Munwar Basha. "Characterization of variability of unit weight and shear parameters of municipal solid waste (MSW)." *Journal of Hazardous Toxic and Radioactive Waste*, ASCE. Accepted, In Press, doi: 10.1061/978078447.

Raviteja, K.V.N.S. and Basha, B.M. (2018). "Reliability based LRFD of geomembrane liners for V-shaped anchor trenches of MSW landfills." *International Journal of Geosynthetics and Ground Engineering* 4:5. doi: 10.1007/s40891-017-0123-5.

Raviteja, K.V.N.S. and Basha, B. M. (2018). "Optimal reliability-based design of V-shaped anchor trenches for MSW landfills." *Geosynthetics International*, ICE Publishing, 25(2): 200-214.

Basha, B. M. and **Raviteja, K.V.N.S.** (2016). "Optimum tensile strength of geomembrane liner for V-shaped anchor trenches using target reliability approach." *Geotechnical and Geological Engineering*, Springer International Publishing, 34(6), 1995–2018.

Raviteja, K.V.N.S, Kavya, K.V.B.S., Senapti, R., and Reddy, K.R. "Application of machine learning models for the assessment of tensile force in anchored geomembrane liners." *Geosynthetics International*, ICE Publishing, Under review.

Kumar, A., Das, S.K., **Raviteja, K.V.N.S.** and Reddy, K.R. "Probabilistic slope stability analysis of coalmine waste rock dump." *Geotechnical and Geological Engineering*, Springer, Under review.

BOOK CHAPTERS

Raviteja, K.V.N.S., Reddy, K.R. "Application of artificial intelligence, machine learning and deep learning in contaminated site remediation." *Recent Developments in Energy and Environment*, Springer 2022, In Press.

Faizanjunaid, Md., Sravanam, S.M. and **Raviteja, K.V.N.S.** "Prediction of interface friction angle between landfill liner and soil using machine learning." *Lecture Notes in Civil Engineering*, Springer 2022, In Press.

Basha, B.M. and **Raviteja, K.V.N.S.** (2017). "Meethotamulla landfill failure analysis: A probabilistic approach." Chapter-20, *Geotechnics for Natural and Engineered Sustainable Technologies*, Springer International Publishing, 341-351.

Basha, B.M. and **Raviteja, K.V.N.S.** (2017). "Resistance factor calculations for load resistance factor design (LRFD) of MSW landfill slopes." Chapter-6, Geoenvironmental Practices and Sustainability, Developments in Geotechnical Engineering, Springer International Publishing, 47-56.

Raviteja, K.V.N.S., Ramu, K. and Babu, R.D. (2017). "Penetration characteristics of expansive soil: A probabilistic study." Chapter-9, *Advances in Characterization and Analysis of Expansive Soils and Rocks*, Springer International Publishing, 105-115.

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Raghuram, A.S.S., **Raviteja, K.V.N.S.**, Basha, B.M. and Moghal, A.A. (2020). "Reliability based Design Charts for Spatially Variable MSW Landfill Slopes." Geo-Congress 2020, ASCE, Minneapolis, USA, GSP 316, 696-706.

Babu, R.D., **Raviteja, K.V.N.S.** and Varaprasad, L.N.V.N. (2019). "Strength Characterization of Expansive soil treated with Phosphogypsum and Crumb Waste Rubber." Geo-Congress 2019, ASCE, (GSP-309), 315-324.

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Varaprasad, L.N.V.N., Babu, R.D. and **Raviteja, K.V.N.S.** (2019). "A Study on the Use of Vitrified Tile Sludge (VTS), Cement & Treated Coir Fibre in Stabilizing Expansive Soil." Indian Geotechnical Conference 2019, SVNIT, Gujarat, 1-5.

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Raviteja, K.V.N.S. and Basha, B.M. (2017). "Probabilistic back analysis of Koshe landfill slope failure." Proc. of Indian Geotechnical Conference 2017, GeoNest, IIT Guwahati, 1–5.

Raviteja, K.V.N.S. and Basha, B.M. (2016). "Location of probabilistic critical centre in a slope stability analysis." Proc. of Indian Geotechnical Conference 2016, GTGS, IIT Madras, 15–18.

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Raviteja, K.V.N.S. (2013). “Rama Sethu (The Adam’s bridge).” Published in Octavia 2013, the magazine of the College of Engineering, Jawaharlal Nehru Technological University Kakinada.