

Dr. B. Umashankar

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Areas of Interest:

Reinforced Earth Structures, Soil-Structure Interaction, Foundation Engineering, Ground Improvement Techniques, Recyclable Materials in Geotechnics

Education:

Ph.D, Civil Engineering, Purdue University, West Lafayette, Indiana, U.S.A. , August 2009

M.Tech, Geotechnical Engineering, Indian Institute of Technology, Kanpur, India, August 2002

B.Tech, Civil Engineering, Sri Venkateswara University, India, August 2000

Experience :

1. Indian Institute of Technology, Hyderabad, Department of Civil Engineering
Assistant Professor Nov 2009 – Current
2. Indian Institute of Technology, Guwahati, India
Assistant Professor Sep 2009 – Nov 2009
3. Purdue University, West Lafayette, Indiana, U.S.A
Graduate Research Assistant July 2004- Aug 2009
4. Purdue University, West Lafayette, Indiana, U.S.A
Teaching Assistant June 2005-May 2006, Jan 2008- Dec 2008
5. Indian Institute of Technology, Kanpur, India
Senior Project Associate Aug 2002 -Dec 2002
6. Indian Institute of Technology, Kanpur, India
Graduate Research Associate/Research Scholar Aug 2000 -July 2002

Journals:

1. Umashankar, B., Hari Prasad, C., and Thejesh kumar (2015). Compaction Quality Control of Pavement Layers using LWD. Journal of Materials in Civil Engineering, ASCE. (Accepted).
2. Balunaini, U., Varennya, Kumar D, Prezzi M and Salgado R (2014). Shear Strength of Tyre Chip-Sand and Tyre Shred-Sand Mixtures. Proceedings of Geotechnical Engineering, Institute of Civil Engineering, Vol. 167, No. 6, pp. 585-595.
3. Balunaini, U, Yoon S, Prezzi M and Salgado R (2014). Pullout Response of Unaxial Geogrid in Tire Shred- Sand Mixtures. Geotechnical and Geological Engineering, Vol. 32, No. 2, pp. 505-523.
4. Balunaini, U., Damalla, Y, and Madhav, M R (2013). Settlement Due to Uniform Circular Load on Finite Two-Layer System. Geotechnical and Geological Engineering, Vol. 31, Issue 1, pp. 255-265.
5. Balunaini, U., and Prezzi, M. (2010). Interaction of Ribbed-Metal Strip Reinforcement with Tire Shred- Sand Mixtures. Geotechnical and Geological Engineering. Geotechnical and Geological Engineering, Vol. 28, No. 2, pp. 147-163.