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Publications :
(International / National / Journals & Conferences)

INTERNATIONAL JOURNALS

1. Ch.Sudha Rani and **K. Mallikarjuna Rao**, (2013), "Compositional and Environmental Factors Role on Compression Index", International Journal of Civil Engineering and Technology, Vol. 3, No. 2, ISSN: 0976-6308, pp.392-403.
2. Ch.Sudha Rani and **K. Mallikarjuna Rao**, (2013), "Statistical Evaluation of Compression Index Equations", International Journal of Civil Engineering and Technology, Vol. 4, No. 2, ISSN: 0976-6308, pp.104-117.
3. **K. Mallikarjuna Rao** and G.V. Rama Subbarao, (2012), "A new approach for compaction characteristics of fly ash stabilised soils basing on maximum volume of solids", International Journal of Geotechnics and Environment, Vol. 4, No. 1, ISSN: 0975-4822, Research Science Express, New Delhi (Accepted for publication).
4. **K. Mallikarjuna Rao** and Rama Subbarao, G.V. (2012), "Optimum Fly Ash for Mechanical Stabilization of Expansive Soils Using 2² Factorial Experimental Design", Springer Journal of Natural Hazards, Vol. 60, Issue 2, ISSN:0921-03X, 703-713.
5. Ch.Sudha Rani, **K.Mallikarjuna Rao** and P.V.Subba Reddy (2010)," SIVACS : Knowledge Based System Developed for Soil Identification and Assessment of Volume Change Characteristics", **Electronic Journal of Geotechnical Engineering, Vol 15, Bundle J**, pp 995-1009.
6. D.Subrahmanyam, K.Ravindra Nath, and **K.Mallikarjuna Rao** (2009), "Experimental Study on Natural Convection in a vertical circular cylinder embedded with Porous Media with 2³ Factorial Design", **Int.Jnl. Of Energy, Heat, and Mass Transfer** ,Vol.31, pp 185-199.
7. D.Subrahmanyam, K.Ravindra Nath, and **K.Mallikarjuna Rao** (2009), "Analysis of Effect of Aspect Ratio, Power supply, and Temperature on natural Convection in vertical cylinder embedded with low permeable Porous Media with 2³ Factorial Design", J.P.Journal of Heat and Mass Transfer, Vol.3, No.1, pp 41-57.
8. P.V.Subba Reddy, **K.Mallikarjuna Rao** and Ch.Sudha Rani (2009),"Identification of Expansive soils and Assessment of Expansion Potential by Fuzzy Approach", **Electronic Journal of Geotechnical Engineering, Vol 14, Bundle L**, www.ejge.com/2009/JourTOC14L.htm , pp 1-11.

NATIONAL JOURNALS

9. D.V.Satyanarayana Murthy, **K.Mallikarjuna Rao** and G.Reddy Babu (2010),” Physical and Mechanical Properties of a Clayey Soil Contaminated with a Vat Dye Pollutant”, Environmental Pollution Control Journal, Vol.13, No.4, pp 17-24.

INTERNATIONAL CONFERENCES

10. **K. Mallikarjuna Rao**, S. Suresh and M. Padmaja and Rama Subbarao, G.V. (2012), “Strength and deformation characteristics of fly ash stabilized expansive soils”, 2nd International Conference on Advances in Mechanical, Manufacturing and Building Sciences (ICAMB – 2012), 9-11 January, School of Mechanical and Building Sciences & Centre for Disaster Mitigation and Management, VIT University, Vellore, Tamil Nadu, India.
11. **K. Mallikarjuna Rao**, S. Suresh and M. Padmaja (2012), “Effect of coarse fraction on compaction, strength, and swelling characteristics of expansive soils”, 2nd International Conference on Advances in Mechanical, Manufacturing and Building Sciences (ICAMB– 2012), 9-11 January, School of Mechanical and Building Sciences & Centre for Disaster Mitigation and Management, VIT University, Vellore, Tamil Nadu, India.