

Biswal, S., Ramaswamy, A. "Damage identification in concrete structures with uncertain but bounded measurements", *Structural Health Monitoring* 16(6), 649-662, 2017.

Reddy, D.H., Ramaswamy, A. "Influence of mineral admixtures and aggregates on properties of different concretes under high temperature conditions I: Experimental study", *Journal of Building Engineering*, 14, 103-114, 2017.

Biswal, S., Ramaswamy, A. "Uncertainty based model averaging for prediction of long-time prestress losses in concrete structures", *Construction and Building Materials*, 153, 469-480, 2017.

Biswal, S., Ramaswamy, A. "Finite element model updating of concrete structures based on imprecise probability", *Mechanical Systems and Signal Processing*, 94, 165-179, 2017.

Hemalatha, T., Ramaswamy, A. "A review on fly ash characteristics – Towards promoting high volume utilization in developing sustainable concrete", *Journal of Cleaner Production*, 147, 546-559, 2017.

Patil, P.N., Dubey, S.K., Pinjari, A.R., Cherchi, E., Daziano, R., Bhat, C.R. "Simulation evaluation of emerging estimation techniques for multinomial probit models", *Journal of Choice Modelling*, 23, 9-20, 2017.

Enam, A., Konduri, K.C., Pinjari, A.R., Eluru, N. "An integrated choice and latent variable model for multiple discrete continuous choice kernels: Application exploring the association between day level moods and discretionary activity engagement choices", *Journal of Choice Modelling*, 2017.

Gayathri, H., Aparna, P.M., Verma, A. "A review of studies on understanding crowd dynamics in the context of crowd safety in mass religious gatherings", *International Journal of Disaster Risk Reduction*, 25, 82-91, 2017.

Manoj, M., Verma, A. "A structural equation model based analysis of non-workers' activity-travel behaviour from a city of a developing country", *Transportation*, 44(2), 241-269, 2017.

Verma, A., Kumari, A., Tahlyan, D., Hosapujari, A.B. "Development of hub and spoke model for improving operational efficiency of bus transit network of Bangalore city", *Case Studies on Transport Policy*, 5(1), 71-79, 2017.

Rahul, T.M., Verma, A. "The influence of stratification by motor-vehicle ownership on the impact of built environment factors in Indian cities", *Journal of Transport Geography*, 58, 40 - 51, 2017.

Raturi, V., Verma, A. "Analyzing competition between High Speed Rail and Bus mode using market entry game analysis", *Transportation Research Procedia*, 25, 2377-2388, 2017.

Verma, M., Manoj, M., Rodeja, N., Verma, A. "Service Gap Analysis of Public Buses in Bangalore with Respect to Women Safety", *Transportation Research Procedia*, 25, 4326-4333, 2017.

Verma, A., Chakrabarty, N., Velmurugan, S., Bhat, B.P., Kumar, B.D. "Sensation Seeking Behavior and Crash Involvement of Indian Bus Drivers", *Transportation Research Procedia*, 25, 4754-4766, 2017.

Venkatarama Reddy, B.V., Praseeda, K.I., Mani, M. "Embodied and operational energy of rural dwellings in India", *International Journal of Sustainable Energy*, 1-11, 2017.

Latha, M.S., Venkatarama Reddy, B.V. "Swell-shrink properties of stabilised earth products", *Proceedings of Institution of Civil Engineers: Construction Materials*, 170(1), 3-15, 2017.

Balaji, N.C., Mani, M., Venkatarama Reddy, B.V. "Thermal conductivity studies on cement-stabilised soil blocks", *Proceedings of Institution of Civil Engineers: Construction Materials*, 170(1), 40-54, 2017.

Gourav, K., Balaji, N.C., Venkatarama Reddy, B.V., Mani, M. "Studies into structural and thermal properties of building envelope materials" *Energy Procedia* 122 104-108 2017

Karuna, K., Manohar, C.S. "Inverse problems in structural safety analysis with combined probabilistic and non-probabilistic uncertainty models", *Engineering Structures*, 150, 166-175, 2017.

Sonal, S.D., Manohar, C.S. "Experimental estimation of time variant structural reliability via intelligent sampling", *Journal of Structural Engineering (India)*, 44(3), 246-255, 2017.

Kanjilal, O., Manohar, C.S. "Girsanov's transformation based variance reduced Monte Carlo simulation schemes for reliability estimation in nonlinear stochastic dynamics", *Journal of Computational Physics*, 341, 278-294, 2017.

Abhinav, S., Manohar, C.S. "Substructuring tools for probabilistic analysis of instrumented nonlinear moving oscillator-beam systems", *Applied Mathematical Modelling*, 42, 600-617, 2017.

Krishnan, N.M.A., Ghosh, D. "Mechanics of metal-nanocomposites at multiple length scales: Case of Al-BNNT", *Journal of Nanomechanics and Micromechanics*, 7(4), 2017.

Suryawanshi, A., Ghosh, D. "A semi-intrusive stochastic perturbation method for lift prediction and global sensitivity analysis", *Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM*, 31(3), 277-285, 2017.

Hossain, M.N., Sarkar, S., Ghosh, D. "Corrigendum to Identification of dominant modes in random dynamical and aeroelastic systems", [*J Sound Vib* 357 (2015) 128-144], *Journal of Sound and Vibration*, 399, 345, 2017.

Krishnan, N.M.A., Ghosh, D. "Buckling analysis of cylindrical thin-shells using strain gradient elasticity theory", *Meccanica*, 52(6), 1369-1379, 2017.

Chandra, A., Krishnan, N.M.A., Patra, P.K., Ghosh, D. "Coaxial Boron-nitride/carbon nanotubes as a potential replacement for double-walled carbon nanotubes for high strain applications", *Journal of Nanoscience and Nanotechnology*, 17(8), 5252-5260, 2017.

Srinivasa Raju, K., Sonali, P., Nagesh Kumar, D. "Ranking of CMIP5-based global climate models for India using compromise programming", *Theoretical and Applied Climatology*, 128(3), 563-574, 2017.

Reshmidevi, T.V., Nagesh Kumar, D., Mehrotra, R., Sharma, A. "Estimation of the climate change impact on a catchment water balance using an ensemble of GCMs", *Journal of Hydrology*, 2017.

Sonali P., D. Nagesh Kumar and R.S. Nanjundiah "Intercomparison of CMIP5 and CMIP3 Simulations of the 20th Century Maximum and Minimum Temperatures over India and Detection of Climatic Trends", *Theoretical and Applied Climatology*, 128(1), 465-489, 2017.

L. Karthikeyan, Pan Ming, Niko Wanders, D. Nagesh Kumar and Eric F. Wood "Four Decades of Microwave Satellite Soil Moisture Observations: Part 1. A Review of Retrieval Algorithms", *Advances in Water Resources*, 109, 106-120, 2017.

L. Karthikeyan, Pan Ming, Niko Wanders, D. Nagesh Kumar and Eric F. Wood "Four Decades of Microwave Satellite Soil Moisture Observations: Part 2. Product Validation and Inter-satellite Comparisons", *Advances in Water Resources*, 109, 236-252, 2017.

Sonali Pattanayak, Ravi S Nanjundiah and D Nagesh Kumar "Linkage between global sea surface temperature and hydroclimatology of a major river basin of India before and after 1980", *Environmental Research Letters*, 12, 1-10, 2017.

Roy Chowdhury, S., Kar, G., Roy, D., Reddy, J.N. "Metal viscoplasticity with two-temperature thermodynamics and two dislocation densities", *Continuum Mechanics and Thermodynamics*, 1-24, 2017.

Rahaman, M.M., Roy, P., Roy, D., Reddy, J.N. "A peridynamic model for plasticity: Micro-inertia based flow rule, entropy equivalence and localization residuals", *Computer Methods in Applied Mechanics and Engineering*, 327, 369-391, 2017.

Roy, P., Deepu, S.P., Pathrikar, A., Roy, D., Reddy, J.N. "Phase field based peridynamics damage model for delamination of composite structures", *Composite Structures*, 180, 972-993, 2017.

Mazumder, D., Kar, G., Vasu, R.M., Roy, D., Kanhirodan, R. "Orthotropic elastic moduli of biological tissues from ultrasound-assisted diffusing-wave spectroscopy", *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, 34(11), 1945-1956, 2017.

Rahaman, M.M., Dhas, B., Roy, D., Reddy, J.N. "A dynamic flow rule for viscoplasticity in polycrystalline solids under high strain rates", *International Journal of Non-Linear Mechanics*, 95, 10-18, 2017.

Roy, P., Pathrikar, A., Deepu, S.P., Roy, D. "Peridynamics damage model through phase field theory", *International Journal of Mechanical Sciences*, 128-129, 181-193, 2017.

Mazumder, D., Vasu, R.M., Roy, D., Kanhirodan, R. "A remote temperature sensor for an ultrasound hyperthermia system using the acoustic signal derived from the heating signals", *International Journal of Hyperthermia*, 1-10, 2017.

Rahaman, M.M., Pathak, A., Roy, D. "A thermo-visco-plastic damage model and SPH simulations of plugging failure", *Mechanics of Advanced Materials and Structures*, 1-9, 2017.

Chowdhury, S.R., Roy, D., Reddy, J.N. "Relating Entropy Flux with Heat Flux in Two-Temperature Thermodynamic Model for Metal Thermoviscoplasticity", *Journal of Applied Mechanics, Transactions ASME*, 84(2), 2017.

Mazumder, D., Umesh, S., Vasu, R.M., Roy, D., Kanhirodan, R., Asokan, S. "Quantitative vibro-acoustography of tissue-like objects by measurement of resonant modes", *Physics in Medicine and Biology*, 62(1), 107-126, 2017.

Chowdhury, S.R., Kar, G., Roy, D., Reddy, J.N. "Two-Temperature Thermodynamics for Metal Viscoplasticity: Continuum Modeling and Numerical Experiments", *Journal of Applied Mechanics, Transactions ASME*, 84(1), 2017.

Sivakumar Babu, G.L., Reddy, K.R. "Special Issue on Issues and Challenges in Geoenvironmental Engineering", *Indian Geotechnical Journal*, 47(4), 393-394, 2017.

Santhosh, L.G., Lakshmikanthan, P., Sivakumar Babu, G.L. Laboratory "Investigation of Large Scale MSW Reactor Under Anaerobic Conditions", *Indian Geotechnical Journal*, 47(4), 395-409, 2017.

Ering, P., Sivakumar Babu, G.L. "A Bayesian framework for updating model parameters while considering spatial variability", *Georisk*, 11(4), 285-298, 2017.

Suku, L., Prabhu, S.S., Sivakumar Babu, G.L. "Effect of geogrid-reinforcement in granular bases under repeated loading", *Geotextiles and Geomembranes*, 45(4), 377-389, 2017.

Lakshmikanthan, P., Sughosh, P., White, J., Sivakumar Babu, G.L. "Experimental and modelling studies on a laboratory scale anaerobic bioreactor treating mechanically biologically treated municipal solid waste", *Waste Management and Research*, 35(7), 700-708, 2017.

Geetha Manjari, K., Sivakumar Babu, G.L. "Probabilistic analysis of groundwater and radionuclide transport model from near surface disposal facilities", *Georisk*, 1-14, 2017.

Sujitha, S., Dilip, D.M., Sivakumar Babu, G.L. "Time-dependent reliability analysis for radionuclide migration in groundwater in near surface disposal facility using the enhanced Monte Carlo method", *Georisk*, 11(2), 208-214, 2017.

Lakshmikanthan, P., Sivakumar Babu, G.L. "Performance evaluation of the bioreactor landfill in treatment and stabilisation of mechanically biologically treated municipal solid waste", *Waste Management and Research*, 35(3), 285-293, 2017.

Sivakumar Babu, G.L. Special issue on hazardous nuclear waste disposal, *Journal of Hazardous, Toxic, and Radioactive Waste*, 21(1), 2017.

Manjari, K.G., Sivakumar Babu, G.L." Global Sensitivity Analysis of Groundwater-Radionuclide Transport Model from Near Surface Disposal Facilities", *Geotechnical Special Publication GSP*, 285, 539-548, 2017.

Tiwari, G., Pandit, B., Latha, G.M., Sivakumar Babu, G.L. "Probabilistic analysis of tunnels considering uncertainty in peak and post-peak strength parameters", *Tunnelling and Underground Space Technology*, 70, 375-387, 2017.

Srilatha, N., Latha, G.M., Puttappa, C.G. "Effect of Slope Angle on Seismic Response of Unreinforced and Reinforced Soil Slopes in Shaking Table Tests", *Indian Geotechnical Journal*, 47(3), 326-337, 2017.

Tiwari, G., Latha, G.M. "Reliability analysis of jointed rock slope considering uncertainty in peak and residual strength parameters", *Bulletin of Engineering Geology and the Environment*, 1-18, 2017.

Vangla, P., Latha, G.M. "Surface topographical analysis of geomembranes and sands using a 3D optical profilometer", *Geosynthetics International*, 24(2), 151-166, 2017.

Latha, G.M. Editorial: Message from the New Editor-in-Chief, *Indian Geotechnical Journal*, 47(1), 2017.

Ramamurthy, T., Latha, G.M., Sitharam, T.G. "Modulus Ratio and Joint Factor Concepts to Predict Rock Mass Response", *Rock Mechanics and Rock Engineering*, 50(2), 353-366, 2017.

Khatri, V.N., Kumar, J., Akhtar, S. "Bearing capacity of foundations with inclusion of dense sand layer over loose sand strata", *International Journal of Geomechanics*, 17(10), 2017.

Kumar, J., Mohapatra, D. "Lower-bound finite elements limit analysis for hoek-brown materials using semidefinite programming", *Journal of Engineering Mechanics*, 143(9), 2017.

Cherian, A.C., Kumar, J. "Effect of vibration cycles batches on shear modulus and damping of dry sand", *Journal of Geotechnical and Geoenvironmental Engineering*, 143(9), 2017.

Keshavarz, A., Kumar, J. "Bearing capacity computation for a ring foundation using the stress characteristics method", *Computers and Geotechnics*, 89, 33-42, 2017.

Bhattacharya, P., Kumar, J. "Closure to Uplift Capacity of Anchors in Layered Sand Using Finite-Element Limit Analysis: Formulation and Results", *International Journal of Geomechanics*, 17(7), 2017.

Naskar, T., Kumar, J. "Predominant modes for Rayleigh wave propagation using the dynamic stiffness matrix approach", *Journal of Geophysics and Engineering*, 14(5), 1032-1041, 2017.

Bhattacharya, P., Kumar, J. "Bearing capacity of foundations on soft clays with granular column and trench", *Soils and Foundations*, 57(3), 488-495, 2017.

Bhattacharya, P., Kumar, J. "Seismic Pullout Capacity of Inclined Anchor Plates in Sand", *Geotechnical and Geological Engineering*, 35(2), 679-692, 2017.

Chakraborty, D., Kumar, J. "Stability Numbers for a Vertical Circular Excavation with Surcharge", *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, 87(1), 115-123, 2017.

Keshavarz, A., Kumar, J. "Bearing capacity of foundations on rock mass using the method of characteristics", *International Journal for Numerical and Analytical Methods in Geomechanics*, 2017.

Kumar, J., Naskar, T. "A fast and accurate method to compute dispersion spectra for layered media using a modified Kausel-Roësset stiffness matrix approach", *Soil Dynamics and Earthquake Engineering*, 92, 176-182, 2017.

Simon, K.M., Chandra Kishen, J.M. "A multiscale approach for modeling fatigue crack growth in concrete", *International Journal of Fatigue*, 98, 1-13, 2017.

Pavan, G.S., Nanjunda Rao, K.S. "Bending analysis of laminated composite plates using isogeometric collocation method", *Composite Structures*, 176, 715-728, 2017.

Venkatarama Reddy, B.V., Suresh, V., Nanjunda Rao, K.S. "Characteristic compressive strength of cement-stabilized rammed earth", *Journal of Materials in Civil Engineering*, 29(2), 2017.

Sekhar, M., Tomer, S.K., Thiyaku, S., Giriraj, P., Murthy, S., Mehta, V.K. "Groundwater level dynamics in Bengaluru City, India", *Sustainability (Switzerland)*, 10(1), 2017.

Eswar, R., Sekhar, M., Bhattacharya, B.K. "Comparison of three remote sensing based models for the estimation of latent heat flux over India", *Hydrological Sciences Journal*, 62(16), 2705-2719, 2017.

Robert, M., Thomas, A., Sekhar, M., Badiger, S., Ruiz, L., Raynal, H., Bergez, J.-E. "Adaptive and dynamic decision-making processes: A conceptual model of production systems on Indian farms", *Agricultural Systems*, 157, 279-291, 2017.

Eswar, R., Sekhar, M., Bhattacharya, B.K., Bandyopadhyay, S. "Spatial disaggregation of latent heat flux using contextual models over India", *Remote Sensing*, 9(9), 2017.

Anoop, S., Maurya, D.K., Rao, P.V.N., Sekhar, M. "Validation and Comparison of LPRM Retrieved Soil Moisture Using AMSR2 Brightness Temperature at Two Spatial Resolutions in the Indian Region", *IEEE Geoscience and Remote Sensing Letters*, 14(9), 1561-1564, 2017.

Barik, B., Ghosh, S., Saheer Sahana, A., Pathak, A., Sekhar, M. "Water-food-energy nexus with changing agricultural scenarios in India during recent decades", *Hydrology and Earth System Sciences*, 21(6), 3041-3060, 2017.

Sreelash, K., Buis, S., Sekhar, M., Ruiz, L., Kumar Tomer, S., Guérif, M. "Estimation of available water capacity components of two-layered soils using crop model inversion: Effect of crop type and water regime", *Journal of Hydrology*, 546, 166-178, 2017.

Robert, M., Thomas, A., Sekhar, M., Badiger, S., Ruiz, L., Willaume, M., Leenhardt, D., Bergez, J.-E. "Farm typology in the Berambadi Watershed (India): Farming systems are determined by farm size and access to groundwater", *Water (Switzerland)*, 9(1), 2017.

Priyanka, B.N., Mohan Kumar, M.S. "Direct and inverse modeling of seawater intrusion: A perspective", *Journal of the Geological Society of India*, 90(5), 595-601, 2017.

Buvaneshwari, S., Sekhar, M., Mohan Kumar, M.S., Giriraja, P.R., Buvaneshwari, S., Riotte, J., Sekhar, M., Mohan Kumar, M.S., Sharma, A.K., Duprey, J.L., Praveenkumarreddy, Y., Moger, H., Braun, J.-J., Ruiz, L., Riotte, J., Audry, S., Braun, J.-J., Durand, P., Ruiz, L., Sharma, A.K. "Groundwater resource vulnerability and spatial variability of nitrate contamination: Insights from high density tubewell monitoring in a hard rock aquifer *Science of the Total Environment*", 579, 838-847, 2017.

Ganguly, S., Mohan Kumar, M.S., Date, A., Akbarzadeh, A. "Numerical investigation of temperature distribution and thermal performance while charging-discharging thermal energy in aquifer", *Applied Thermal Engineering*, 115, 756-773, 2017.

Soraganvi, V.S., Ababou, R., Mohan Kumar, M.S. "Analysis and upscaling of unsaturated flow through randomly heterogeneous soil, *Journal of Hydrologic Engineering*, 22(4), 2017.

Seetha, N., Raoof, A., Mohan Kumar, M.S., Majid Hassanizadeh, S. "Upscaling of nanoparticle transport in porous media under unfavorable conditions: Pore scale to Darcy scale", *Journal of Contaminant Hydrology*, 200, 1-14, 2017.

Rao, S.M., Acharya, I.P. "Mercury Intrusion Porosimetry Studies with Geopolymers", *Indian Geotechnical Journal*, 47(4), 495-502, 2017.

Rao, S.M., Arkenadan, L., Mogili, N.V., Atishaya, S.K., Anthony, P. "Bioremediation of pit toilet sewage", *Journal of Environmental Engineering and Science*, 12(2), 26-33, 2017.

Rao, S., Deepak, G.B., Raghuvver Rao, P., Anbazhagan, P. "Influence of physico-chemical components on the consolidation behavior of soft kaolinites", *Acta Geotechnica*, 12(2), 441-451, 2017.

Rao, S.M., Deepak, G.B. "Influence of secondary compression on undrained strength of soft kaolinites", *Marine Georesources and Geotechnology*, 1-8, 2017.

Ravi, K., Rao, S.M. "Estimation of Solute Concentrations in Micro-pore and Macro-pore Solutions of Compacted Bentonite–Sand Mixtures", *Geotechnical and Geological Engineering*, 35(1), 517-525, 2017.

Sundaram, N.K., Mahato, A., Guo, Y., Viswanathan, K., Chandrasekar, S. "Folding in metal polycrystals: Microstructural origins and mechanics", *Acta Materialia*, 140, 67-78, 2017.

Viswanathan, K., Sundaram, N.K. "Distinct stick-slip modes in adhesive polymer interfaces", *Wear*, 376-377, 1271-1278, 2017.

Vandana, A.S., Sundaram, N.K. "Interaction of a Sliding Wedge with a Metallic Substrate Containing a Single Inhomogeneity", *Tribology Letters*, 65(4), 2017.

Mahato, A., Yeung, H., Guo, Y., Viswanathan, K., Sundaram, N.K., Udupa, A., Mann, J.B., Chandrasekar, S. "Sinuous flow and folding in metals: Implications for delamination wear and surface phenomena in sliding and cutting", *Wear*, 376-377, 1534-1541, 2017.

Anbazhagan, P., Manohar, D.R., Rohit, D. "Influence of size of granulated rubber and tyre chips on the shear strength characteristics of sand–rubber mix", *Geomechanics and Geoengineering*,

12(4), 266-278, 2017.

Chandran, D., Anbazhagan, P. "Subsurface profiling using integrated geophysical methods for 2D site response analysis in Bangalore city, India: A new approach", *Journal of Geophysics and Engineering*, 14(5), 1300-1314, 2017.

Anbazhagan, P., Neaz Sheikh, M., Bajaj, K., Mariya Dayana, P.J., Madhura, H., Reddy, G.R. "Empirical models for the prediction of ground motion duration for intraplate earthquakes", *Journal of Seismology*, 21(4), 1001-1021, 2017.

Anbazhagan, P., Uday, A., Moustafa, S.S.R., Al-Arifi, N.S.N. "Soil void ratio correlation with shear wave velocities and SPT N values for Indo-Gangetic basin", *Journal of the Geological Society of India*, 89(4), 398-406, 2017.

Anbazhagan, P., Ramyasri, S., Moustafa, S.S.R., Al-Arifi, N.S.N. "Intensity based building damage level prediction model from past Earthquakes for risk assessment", *Disaster Advances*, 10(3), 1-15, 2017.

Anbazhagan, P., Bajaj, K., Dutta, N., Moustafa, S.S.R., Al-Arifi, N.S.N. "Region-specific deterministic and probabilistic seismic hazard analysis of Kanpur city", *Journal of Earth System Science*, 126(1), 2017.

Anbazhagan P., Divyesh Rohit , Madhura H, "Integrated geophysical subsurface investigation for effective completion of the sewage pipeline project in the shallow bedrock region, *Consulting Ahead*, 11(1), 55-67, 2017.

Sharma, S., Mujumdar, P. "Increasing frequency and spatial extent of concurrent meteorological droughts and heatwaves in India", *Scientific Reports*, 7(1), 2017.

Kumari, S., Mujumdar, P.P. "Fuzzy set-based system performance evaluation of an irrigation reservoir system, *Journal of Irrigation and Drainage Engineering*, 143(5), 2017.

Ila Chawla and Mujumdar, P.P. "Partitioning Uncertainty in Streamflow Projections under Nonstationary Model Conditions", *Advances in Water Resources*, 2017.

Chandra Rupa, R., and Mujumdar, P.P. "Quantification of Uncertainty in Spatial Return Levels of Urban Precipitation Extremes", *ASCE Journal of Hydrologic Engineering*, 23(1), 2017.

Vidya Sagar R. "Acoustic emission characteristics of reinforced concrete beams with varying percentage of tension steel reinforcement under flexural loading", *Case Studies in Construction Materials*, 6, 162-176, 2017.

Zachariah, N., Das, A., Murthy, T.G., Borges, R.M. "Building mud castles: A perspective from brick-laying termites", *Scientific Reports*, 7(1), 2017.

Bharathraj, S., Murthy, T.G., Kumaran, V. "Rheology of dense granular chute flow: Simulations to experiments", *EPJ Web of Conferences*, 140, 2017.

Singh, S., Kandasami, R.K., Mahendran, R.K., Murthy, T. "System size effects on the mechanical response of cohesive-frictional granular ensembles", *EPJ Web of Conferences*, 140, 2017.



Kandasami, R.K., Murthy, T.G. "Manifestation of particle morphology on the mechanical behaviour of granular ensembles", *Granular Matter*, 19(2), 2017.

Singh, S., Kandasami, R.K., Murthy, T.G. "Prediction of Mechanical Response of Geomaterials Using an Advanced Elasto-plastic Constitutive Model", *Procedia Engineering*, 173, 793-799, 2017.

Singh, S., Kandasami, R.K., Murthy, T.G. "Mechanics and modeling of cohesive frictional granular materials", *Springer Series in Geomechanics and Geoengineering*, 493-500, 2017.

Rathod, D., Muthukkumaran, K., Sitharam, T.G. "Effect of Slope on p-y Curves for Laterally Loaded Piles in Soft Clay", *Geotechnical and Geological Engineering*, 1-16, 2017.

Verma, A.K., Jha, M.K., Mantrala, S., Sitharam, T.G. "Numerical Simulation of Explosion in Twin Tunnel System", *Geotechnical and Geological Engineering*, 35(5), 1953-1966, 2017.

Sebastian, R., Sitharam, T.G. "Resonant Column Tests and Nonlinear Elasticity in Simulated Rocks", *Rock Mechanics and Rock Engineering*, 1-18, 2017.

Sitharam, T.G., Hegde, A. "Stability analysis of rock-fill tailing dam: an Indian case study", *International Journal of Geotechnical Engineering*, 11(4), 332-342, 2017.

Vivek, P., Sitharam, T.G. "Sand ejecta kinematics and impulse transfer associated with the buried blast loading: A controlled laboratory investigation", *International Journal of Impact Engineering*, 104, 85-94, 2017.

Vivek, P., Sitharam, T.G. "Shock wave attenuation by geotextile encapsulated sand barrier systems", *Geotextiles and Geomembranes*, 45(3), 149-160, 2017.

Sil, A., Sitharam, T.G. "Detection of Local Site Conditions in Tripura and Mizoram Using the Topographic Gradient Extracted from Remote Sensing Data and GIS Techniques", *Natural Hazards Review*, 18(2), 2017.

Hegde, A., Sitharam, T.G. "Experiment and 3D-numerical studies on soft clay bed reinforced with different types of cellular confinement systems", *Transportation Geotechnics*, 10, 73-84, 2017.

Rathod, D., Muthukkumaran, K., Sitharam, T.G. "Development of Non-dimension p-y Curves for Laterally Loaded Piles in Sloping Ground", *Indian Geotechnical Journal*, 47(1), 47-56, 2017.

Ramamurthy, T., Latha, G.M., Sitharam, T.G. "Modulus Ratio and Joint Factor Concepts to Predict Rock Mass Response", *Rock Mechanics and Rock Engineering*, 50(2), 353-366, 2017.

Sitharam, T.G., Resmi, S. "Numerical simulation of resonant column tests on jointed rocks using DEM", *Springer Proceedings in Physics*, 188, 889-896, 2017.

Naveen, B.P., Sitharam, T.G., Sivapullaiah, P.V. "Evaluation of dynamic properties of municipal solid waste sites by geophysical tests", *Journal of Solid Waste Technology and Management*, 43(4), 273-279, 2017.

Naveen, B.P., Mahapatra, D.M., Sitharam, T.G., Sivapullaiah, P.V., Ramachandra, T.V. "Physico-chemical and biological characterization of urban municipal landfill leachate", *Environmental Pollution*, 220, 1-12, 2017.

Chavan, S.R., Srinivas, V.V. "Regionalization based envelope curves for PMP estimation by Hershfield method", *International Journal of Climatology*, 37(10), 3767-3779, 2017.

Gouri, R.L., Srinivas, V.V. "A fuzzy approach to reliability based design of storm water drain network", *Stochastic Environmental Research and Risk Assessment*, 31(5), 1091-1106, 2017.