

# Sitharam T G

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137  
papers

2,418  
citations

31  
h-index

43  
g-index

140  
ext. papers

2,782  
ext. citations

1.9  
avg, IF

5.64  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 137 | Failure Modes of Air Desaturated Sand in Undrained Cyclic Loading: A Systematic Experimental Investigation <b>2022</b> , 52, 249  |     | 2         |
| 136 | Site response analysis of liquefiable soil employing continuous wavelet transform. <i>Geotechnique Letters</i> , <b>2022</b> , 12, 1-33   | 1.7 |           |
| 135 | Deterministic seismic hazard analysis of north and central Himalayas using region-specific ground motion prediction equations. <i>Journal of Earth System Science</i> , <b>2021</b> , 130, 1  | 1.8 |           |
| 134 | Geo-electrical characterization of physical and mechanical properties of zinc tailing. <i>Journal of Applied Geophysics</i> , <b>2021</b> , 188, 104315   | 1.7 |           |
| 133 | A systematic approach for the analyses and design of jointed rock mass slopes against wedge and toppling failures: a case study of the stability of the abutments of the bridge across the Chenab River. <i>International Journal of Geotechnical Engineering</i> , <b>2021</b> , 15, 15-27 | 1.5 | 2         |
| 132 | Liquefaction Resistance of Desaturated and Partly Saturated Clean Sand. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 171-180   | 0.3 |           |
| 131 | Seismic Hazard Assessment of Nuclear Power Plant Site in Jaitapur: Deterministic and Probabilistic Approaches. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 15-26  | 0.3 |           |
| 130 | The Quintessence of 25 Years of Our Contributions to Geotechnical Earthquake Engineering <b>2021</b> , 51, 3-49   |     | 1         |
| 129 | Probabilistic seismic hazard analysis of North and Central Himalayas using regional ground motion prediction equations. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2021</b> , 80, 8137   | 4   | 1         |
| 128 | Strong Motion Data Based Regional Ground Motion Prediction Equations for North East India Based on Non-Linear Regression Models. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 1-21  | 1.8 | 6         |
| 127 | Synthesis of Linear JTFA-Based Response Spectra for Structural Response and Seismic Reduction Measures for North-East India. <i>Journal of Earthquake and Tsunami</i> , <b>2020</b> , 14, 2050023   | 1.1 | 4         |
| 126 | An Overview of Natural Materials as Geocells and Their Performance Evaluation for Soil Reinforcement. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2020</b> , 413-427   | 0.4 | 2         |
| 125 | Granular Materials Under Shock and Blast Loading. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2020</b> ,   | 0.4 | 2         |
| 124 | Geotechnical considerations for coastal reservoirs <b>2020</b> , 61-83  |     |           |
| 123 | Challenges and opportunities for coastal reservoir development in India <b>2020</b> , 185-197   |     |           |
| 122 | Analysis of laterally loaded group of piles located on sloping ground. <i>International Journal of Geotechnical Engineering</i> , <b>2020</b> , 14, 580-588   | 1.5 | 10        |
| 121 | Experimental and numerical investigations on interference of closely spaced square footings on sand. <i>International Journal of Geotechnical Engineering</i> , <b>2020</b> , 14, 142-150   | 1.5 | 7         |

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| 120 | Model Tests and Analytical Studies on Performance of Areca Leaf Cells as Cellular Confinement in Soil. <i>Geomechanics and Geoengineering</i> , <b>2019</b> , 1-12   | 1.4 | 6  |
| 119 | Development of New Ground Motion Prediction Equation for the North and Central Himalayas Using Recorded Strong Motion Data. <i>Journal of Earthquake Engineering</i> , <b>2019</b> , 1-24                              | 1.8 | 13 |
| 118 | Seismic Hazard Assessment and Land Use Analysis of Mangalore City, Karnataka, India. <i>Journal of Earthquake Engineering</i> , <b>2019</b> , 1-22   | 1.8 | 10 |
| 117 | A Case Study of Probabilistic Seismic Slope Stability Analysis of Rock Fill Tailing Dam. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2019</b> , 10, 43-60                                 | 0.2 | 4  |
| 116 | Estimation and spatial mapping of seismicity parameters in western Himalaya, central Himalaya and Indo-Gangetic plain. <i>Journal of Earth System Science</i> , <b>2019</b> , 128, 1                                   | 1.8 | 3  |
| 115 | Concept of a Geotechnical Solution to Address the Issues of Sea Water Intrusion in Ashtamudi Lake, Kerala. <i>Sustainable Civil Infrastructures</i> , <b>2019</b> , 238-246  | 0.2 | 3  |
| 114 | Effect of Fines on Pore Pressure Development During Cyclic Loading. <i>Lecture Notes in Civil Engineering</i> , <b>2019</b> , 83-90  | 0.3 | 1  |
| 113 | Geo-electric assessment of the compacted sand-bentonite mixes. <i>International Journal of Geotechnical Engineering</i> , <b>2019</b> , 1-16   | 1.5 | 2  |
| 112 | Coastal reservoir strategy to enhance India's freshwater storage by impounding river flood waters: a detailed overview. <i>Water Science and Technology: Water Supply</i> , <b>2019</b> , 19, 703-717                  | 1.4 | 8  |
| 111 | Geotechnical considerations for the concept of coastal reservoir at Mangaluru to impound the flood waters of Netravati River. <i>Marine Georesources and Geotechnology</i> , <b>2019</b> , 37, 236-244                 | 2.2 | 6  |
| 110 | Resonant Column Tests and Nonlinear Elasticity in Simulated Rocks. <i>Rock Mechanics and Rock Engineering</i> , <b>2018</b> , 51, 155-172  | 5.7 | 3  |
| 109 | Laboratory scale investigation of stress wave propagation and vibrational characteristics in sand when subjected to air-blast loading. <i>International Journal of Impact Engineering</i> , <b>2018</b> , 114, 169-181 | 4   | 10 |
| 108 | The effect of spherical air blast on buried pipelines: a laboratory simulation study. <i>International Journal of Physical Modelling in Geotechnics</i> , <b>2018</b> , 18, 57-67                                      | 1   |    |
| 107 | Preparing for Earthquakes: Lessons for India. <i>SpringerBriefs in Environmental Science</i> , <b>2018</b> ,   | 0.5 | 2  |
| 106 | Geotechnical Investigations for Evaluating the Performance of the Misaligned MSE Wall: a Case Study. <i>Transportation Infrastructure Geotechnology</i> , <b>2018</b> , 5, 332-348                                     | 1.3 |    |
| 105 | Appropriate Method of Determination of Coefficient of Consolidation for Municipal Solid Waste. <i>Geotechnical Testing Journal</i> , <b>2018</b> , 41, 20150251  | 1.3 | 1  |
| 104 | Behaviour of Laterally Loaded Piles in Soft Clay on Sloping Ground. <i>Sustainable Civil Infrastructures</i> , <b>2018</b> , 149-163   | 0.2 | 3  |
| 103 | Effect of Slope on p-y Curves for Laterally Loaded Piles in Soft Clay. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 1509-1524  | 1.5 | 12 |

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|-----|---|-----|----|
| 102 | Recent Advances in Soil Dynamics Relevant to Geotechnical Earthquake Engineering <b>2018</b> , 203-228  |     | 3  |
| 101 | Shock wave attenuation by geotextile encapsulated sand barrier systems. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 149-160   | 5.2 | 11 |
| 100 | Sand ejecta kinematics and impulse transfer associated with the buried blast loading: A controlled laboratory investigation. <i>International Journal of Impact Engineering</i> , <b>2017</b> , 104, 85-94          | 4   | 5  |
| 99  | Numerical Simulation of Explosion in Twin Tunnel System. <i>Geotechnical and Geological Engineering</i> , <b>2017</b> , 35, 1953-1966   | 1.5 | 4  |
| 98  | Modulus Ratio and Joint Factor Concepts to Predict Rock Mass Response. <i>Rock Mechanics and Rock Engineering</i> , <b>2017</b> , 50, 353-366   | 5.7 | 8  |
| 97  | Stability analysis of rock-fill tailing dam: an Indian case study. <i>International Journal of Geotechnical Engineering</i> , <b>2017</b> , 11, 332-342   | 1.5 | 13 |
| 96  | Development of Non-dimension p <sub>v</sub> Curves for Laterally Loaded Piles in Sloping Ground <b>2017</b> , 47, 47-56   |     | 11 |
| 95  | Feasibility study on formation of fresh water reservoir and impounding the surface runoff for urban water survival in a coastal brackish water region of Kollam, India <b>2017</b> , 2, 34-37                       |     | 4  |
| 94  | Feasibility of creating a fresh water reservoir in the Arabian Sea impounding the flood waters of Netravathi River <b>2017</b> , 2, 38-42   |     | 10 |
| 93  | Seismic Zonations at Micro and Macro-Level for Regions in the Peninsular India. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2016</b> , 7, 35-63  | 0.2 | 6  |
| 92  | Transformations of Obliquely Striking Waves at a Rock Joint: Numerical Simulations. <i>International Journal of Geomechanics</i> , <b>2016</b> , 16, 04015079   | 3.1 | 5  |
| 91  | Response of laterally loaded pile in soft clay on sloping ground. <i>International Journal of Geotechnical Engineering</i> , <b>2016</b> , 10, 10-22  | 1.5 | 23 |
| 90  | Long-wavelength propagation of waves in jointed rocks - study using resonant column experiments and model material. <i>Geomechanics and Geoengineering</i> , <b>2016</b> , 11, 281-296                              | 1.4 | 6  |
| 89  | Site specific design response spectrum proposed for the capital city of Agartala, Tripura. <i>Geomatics, Natural Hazards and Risk</i> , <b>2016</b> , 7, 1610-1630  | 3.6 | 5  |
| 88  | Effect of aging on the leachate characteristics from municipal solid waste landfill. <i>Japanese Geotechnical Society Special Publication</i> , <b>2016</b> , 2, 1940-1945  | 0.2 | 4  |
| 87  | Effect of Earthquake on a Single Pile Located in Sloping Ground. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2016</b> , 7, 57-72   | 0.2 | 4  |
| 86  | Effect of frequency of cyclic loading on liquefaction and dynamic properties of saturated sand. <i>International Journal of Geotechnical Engineering</i> , <b>2016</b> , 10, 487-492                                | 1.5 | 16 |
| 85  | Long Wavelength Propagation of Elastic Waves Across Frictional and Filled Rock Joints with Different Orientations: Experimental Results. <i>Geotechnical and Geological Engineering</i> , <b>2015</b> , 33, 923-934 | 1.5 | 5  |

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|----|---|-----|----|
| 84 | Use of Bamboo in Soft-Ground Engineering and Its Performance Comparison with Geosynthetics: Experimental Studies. <i>Journal of Materials in Civil Engineering</i> , <b>2015</b> , 27, 04014256                                       | 3   | 37 |
| 83 | Effect of infill materials on the performance of geocell reinforced soft clay beds. <i>Geomechanics and Geoengineering</i> , <b>2015</b> , 10, 163-173  | 1.4 | 40 |
| 82 | Experimental and Analytical Studies on Soft Clay Beds Reinforced with Bamboo Cells and Geocells. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2015</b> , 1, 1  | 2   | 33 |
| 81 | Probabilistic assessment of surface level seismic hazard in India using Topographic gradient as a proxy for site condition. <i>Geoscience Frontiers</i> , <b>2015</b> , 6, 847-859  | 6   | 38 |
| 80 | Probabilistic Models for Forecasting Earthquakes in the Northeast Region of India. <i>Bulletin of the Seismological Society of America</i> , <b>2015</b> , 105, 2910-2927   | 2.3 | 19 |
| 79 | Joint Strength and Wall Deformation Characteristics of a Single-Cell Geocell Subjected to Uniaxial Compression. <i>International Journal of Geomechanics</i> , <b>2015</b> , 15, 04014080   | 3.1 | 24 |
| 78 | Optimization of bus allocation to depots by minimizing dead kilometers. <i>Journal of Advanced Transportation</i> , <b>2015</b> , 49, 901-912   | 1.9 | 4  |
| 77 | Seismic site characterization and ground response analysis for an offshore site. <i>Japanese Geotechnical Society Special Publication</i> , <b>2015</b> , 3, 1-6  | 0.2 |    |
| 76 | Seismic Analysis of Municipal Solid Waste Landfill in India. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2015</b> , 6, 35-55   | 0.2 | 3  |
| 75 | A Revisit to Seismic Hazard at Uttarakhand. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2015</b> , 6, 56-73  | 0.2 | 2  |
| 74 | Nepal Earthquake of April 25, 2015. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2015</b> , 6, 81-90  | 0.2 | 2  |
| 73 | Dynamic Characterization and Site Response Studies for an Offshore Site Based on Detailed Geotechnical Tests. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2015</b> , 6, 50-80                            | 0.2 |    |
| 72 | Seismic microzonation of a nuclear power plant site with detailed geotechnical, geophysical and site effect studies. <i>Natural Hazards</i> , <b>2014</b> , 71, 419-462   | 3   | 22 |
| 71 | Probabilistic Liquefaction Potential Evaluation for India and Adjoining Areas <b>2014</b> , 44, 269-277   |     | 5  |
| 70 | Comprehensive seismic hazard assessment of Tripura and Mizoram states. <i>Journal of Earth System Science</i> , <b>2014</b> , 123, 837-857  | 1.8 | 35 |
| 69 | Assessment of Seismically Induced Landslide Hazard for the State of Karnataka Using GIS Technique <b>2014</b> , 42, 73-89   |     | 5  |
| 68 | Dynamic Site Characterization and Correlation of Shear Wave Velocity with Standard Penetration Test $N_{60}$ Values for the City of Agartala, Tripura State, India. <i>Pure and Applied Geophysics</i> , <b>2014</b> , 171, 1859-1876 | 2.2 | 20 |
| 67 | Seismic hazard analysis of Lucknow considering local and active seismic gaps. <i>Natural Hazards</i> , <b>2013</b> , 69, 327-350  | 3   | 36 |

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|----|--|-----|----|
| 66 | Probabilistic seismic hazard analysis of Tripura and Mizoram states. <i>Natural Hazards</i> , <b>2013</b> , 68, 1089-1108  |     | 35 |
| 65 | Seismic Site Classification and Correlation between Standard Penetration Test N Value and Shear Wave Velocity for Lucknow City in Indo-Gangetic Basin. <i>Pure and Applied Geophysics</i> , <b>2013</b> , 170, 299-318 | 2.2 | 76 |
| 64 | Postliquefaction Undrained Shear Behavior of Sand-Silt Mixtures at Constant Void Ratio. <i>International Journal of Geomechanics</i> , <b>2013</b> , 13, 421-429   | 3.1 | 19 |
| 63 | Delineation of seismic source zones based on seismicity parameters and probabilistic evaluation of seismic hazard using logic tree approach. <i>Journal of Earth System Science</i> , <b>2013</b> , 122, 661-676       | 1.8 | 8  |
| 62 | Effect of Aspect Ratio on the Monotonic Shear Behaviour: Micromechanical Interpretations. <i>Geotechnical and Geological Engineering</i> , <b>2013</b> , 31, 1543-1553   | 1.5 | 4  |
| 61 | Seismic hazard analysis of India using areal sources. <i>Journal of Asian Earth Sciences</i> , <b>2013</b> , 62, 647-653   | 2.8 | 35 |
| 60 | Assessment of seismic hazard and liquefaction potential of Gujarat based on probabilistic approaches. <i>Natural Hazards</i> , <b>2013</b> , 65, 1179-1195   | 3   | 8  |
| 59 | Ground motion prediction equation considering combined dataset of recorded and simulated ground motions. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2013</b> , 53, 92-108                                    | 3.5 | 49 |
| 58 | Site Response Evaluation of Agartala City Using Geophysical and Geotechnical Data. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2013</b> , 4, 53-73  | 0.2 | 5  |
| 57 | Experimental and numerical studies on footings supported on geocell reinforced sand and clay beds. <i>International Journal of Geotechnical Engineering</i> , <b>2013</b> , 7, 346-354                                 | 1.5 | 49 |
| 56 | Liquefaction Hazard Mapping of Lucknow. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2013</b> , 4, 17-41   | 0.2 | 10 |
| 55 | Spatial variation of seismicity parameters across India and adjoining areas. <i>Natural Hazards</i> , <b>2012</b> , 60, 1365-1379  | 3   | 30 |
| 54 | Deterministic seismic hazard macrozonation of India. <i>Journal of Earth System Science</i> , <b>2012</b> , 121, 1351-1364   | 1.8 | 45 |
| 53 | Assessment of Liquefaction Potential Index Using Deterministic and Probabilistic Approaches. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2012</b> , 3, 60-76                              | 0.2 | 2  |
| 52 | Testing and evaluation of strength and deformation behaviour of jointed rocks. <i>Geomechanics and Geoengineering</i> , <b>2012</b> , 7, 149-158   | 1.4 | 5  |
| 51 | A study on seismicity and seismic hazard for Karnataka State. <i>Journal of Earth System Science</i> , <b>2012</b> , 121, 475-490  | 1.8 | 16 |
| 50 | Comprehensive Probabilistic Seismic Hazard Analysis of the Andaman-Nicobar Regions. <i>Bulletin of the Seismological Society of America</i> , <b>2012</b> , 102, 2063-2076   | 2.3 | 18 |
| 49 | A performance-based framework for assessing liquefaction potential based on CPT data. <i>Georisk</i> , <b>2012</b> , 6, 177-187  | 1.9 | 4  |

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|----|---|-----|-----|
| 48 | Characterization of Regional Seismic Source Zones in and around India. <i>Seismological Research Letters</i> , <b>2012</b> , 83, 77-85  | 3   | 33  |
| 47 | Undrained monotonic response of sand-silt mixtures: effect of nonplastic fines. <i>Geomechanics and Geoengineering</i> , <b>2011</b> , 6, 47-58   | 1.4 | 31  |
| 46 | Multiple source and attenuation relationships for evaluation of deterministic seismic hazard: logic tree approach considering local site effects. <i>Georisk</i> , <b>2011</b> , 5, 173-185                   | 1.9 | 5   |
| 45 | Numerical Simulation of Reinforced Granular Soils Using DEM <b>2011</b> ,   |     | 3   |
| 44 | Undrained Cyclic and Monotonic Strength of Sand-Silt Mixtures. <i>Geotechnical and Geological Engineering</i> , <b>2011</b> , 29, 555-570   | 1.5 | 16  |
| 43 | Evaluation of spatial variation of peak horizontal acceleration and spectral acceleration for south India: a probabilistic approach. <i>Natural Hazards</i> , <b>2011</b> , 59, 639-653                       | 3   | 14  |
| 42 | Spatial variability of SPT data using ordinary and disjunctive kriging. <i>Georisk</i> , <b>2010</b> , 4, 22-31   | 1.9 | 5   |
| 41 | Multi-criteria seismic hazard evaluation for Bangalore city, India. <i>Journal of Asian Earth Sciences</i> , <b>2010</b> , 38, 186-198  | 2.8 | 47  |
| 40 | Applicability of Statistical Learning Algorithms for Spatial Variability of Rock Depth. <i>Mathematical Geosciences</i> , <b>2010</b> , 42, 433-446   | 2.5 | 2   |
| 39 | Probabilistic evaluation of seismic soil liquefaction potential based on SPT data. <i>Natural Hazards</i> , <b>2010</b> , 53, 547-560   | 3   | 15  |
| 38 | Evaluation of Shear Modulus and Damping Ratio of Granular Materials Using Discrete Element Approach. <i>Geotechnical and Geological Engineering</i> , <b>2010</b> , 28, 591-601                               | 1.5 | 22  |
| 37 | Evaluation of Peak Ground Acceleration and Response Spectra Considering the Local Site Effects. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2010</b> , 1, 25-41                  | 0.2 | 3   |
| 36 | Estimation of peak ground acceleration and spectral acceleration for South India with local site effects: probabilistic approach. <i>Natural Hazards and Earth System Sciences</i> , <b>2009</b> , 9, 865-878 | 3.9 | 74  |
| 35 | Critical state behaviour of granular materials from isotropic and rebounded paths: DEM simulations. <i>Granular Matter</i> , <b>2009</b> , 11, 33-42  | 2.6 | 45  |
| 34 | Probabilistic seismic hazard analysis for Bangalore. <i>Natural Hazards</i> , <b>2009</b> , 48, 145-166   | 3   | 88  |
| 33 | Undrained Cyclic Pore Pressure Response of Sand-Silt Mixtures: Effect of Nonplastic Fines and Other Parameters. <i>Geotechnical and Geological Engineering</i> , <b>2009</b> , 27, 501-517                    | 1.5 | 39  |
| 32 | Spatial Variability of the Depth of Weathered and Engineering Bedrock using Multichannel Analysis of Surface Wave Method. <i>Pure and Applied Geophysics</i> , <b>2009</b> , 166, 409-428                     | 2.2 | 50  |
| 31 | Bearing capacity of circular footing on geocell and mattress overlying clay bed with void. <i>Geotextiles and Geomembranes</i> , <b>2009</b> , 27, 89-98  | 5.2 | 126 |

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|----|---|-----|----|
| 30 | Site classification and estimation of surface level seismic hazard using geophysical data and probabilistic approach. <i>Journal of Applied Geophysics</i> , <b>2009</b> , 68, 219-230                                  | 1.7 | 31 |
| 29 | Evaluation of Liquefaction Return Period for Bangalore Based on Standard Penetration Test Data: Performance Based Approach. <i>American Journal of Engineering and Applied Sciences</i> , <b>2009</b> , 2, 537-543      | 0.4 | 3  |
| 28 | OCR Prediction Using Support Vector Machine Based on Piezocone Data. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2008</b> , 134, 894-898  | 3.4 | 40 |
| 27 | LIQUEFACTION AND PORE WATER PRESSURE GENERATION IN SAND IN CYCLIC STRAIN APPROACH. <i>Journal of Earthquake and Tsunami</i> , <b>2008</b> , 02, 227-240   | 1.1 | 5  |
| 26 | Mapping of Average Shear Wave Velocity for Bangalore Region: A Case Study. <i>Journal of Environmental and Engineering Geophysics</i> , <b>2008</b> , 13, 69-84   | 1   | 47 |
| 25 | Prediction of Elastic Modulus of Jointed Rock Mass Using Artificial Neural Networks. <i>Geotechnical and Geological Engineering</i> , <b>2008</b> , 26, 443-452   | 1.5 | 30 |
| 24 | Spatial Variability of Rock Depth in Bangalore Using Geostatistical, Neural Network and Support Vector Machine Models. <i>Geotechnical and Geological Engineering</i> , <b>2008</b> , 26, 503-517                       | 1.5 | 25 |
| 23 | Seismic microzonation of Bangalore, India. <i>Journal of Earth System Science</i> , <b>2008</b> , 117, 833-852  | 1.8 | 47 |
| 22 | Least-square support vector machine applied to settlement of shallow foundations on cohesionless soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2008</b> , 32, 2033-2043 | 4   | 32 |
| 21 | Practical Equivalent Continuum Model for Simulation of Jointed Rock Mass Using FLAC3D. <i>International Journal of Geomechanics</i> , <b>2007</b> , 7, 389-395  | 3.1 | 33 |
| 20 | Seismic Hazard Analysis for the Bangalore Region. <i>Natural Hazards</i> , <b>2007</b> , 40, 261-278  | 3   | 76 |
| 19 | Geostatistical modelling of spatial and depth variability of SPT data for Bangalore. <i>Geomechanics and Geoengineering</i> , <b>2007</b> , 2, 307-316  | 1.4 | 12 |
| 18 | Pore pressure generation in silty sands during cyclic loading. <i>Geomechanics and Geoengineering</i> , <b>2007</b> , 2, 295-306  | 1.4 | 6  |
| 17 | Effects of base geogrid on geocell-reinforced foundation beds. <i>Geomechanics and Geoengineering</i> , <b>2006</b> , 1, 207-216  | 1.4 | 9  |
| 16 | Use of remote sensing and seismotectonic parameters for seismic hazard analysis of Bangalore. <i>Natural Hazards and Earth System Sciences</i> , <b>2006</b> , 6, 927-939   | 3.9 | 31 |
| 15 | Model studies of a circular footing supported on geocell-reinforced clay. <i>Canadian Geotechnical Journal</i> , <b>2005</b> , 42, 693-703  | 3.2 | 69 |
| 14 | Geotechnical aspects and ground response studies in Bhuj earthquake, India. <i>Geotechnical and Geological Engineering</i> , <b>2004</b> , 22, 439-455  | 1.5 | 18 |
| 13 | Model studies of embedded circular footing on geogrid-reinforced sand beds. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , <b>2004</b> , 8, 69-75                                       | 1   | 55 |



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|----|---|-----|----|
| 12 | Discrete element modelling of cyclic behaviour of granular materials. <i>Geotechnical and Geological Engineering</i> , <b>2003</b> , 21, 297-329  | 1.5 | 62 |
| 11 | Numerical simulation of liquefaction behaviour of granular materials using Discrete Element Method. <i>Journal of Earth System Science</i> , <b>2003</b> , 112, 479-484   | 1.8 | 18 |
| 10 | Micromechanical modelling of monotonic drained and undrained shear behaviour of granular media using three-dimensional DEM. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2002</b> , 26, 1167-1189 | 4   | 50 |
| 9  | Nonlinear Finite-Element Modeling of Batter Piles under Lateral Load. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2001</b> , 127, 604-612   | 3.4 | 56 |
| 8  | Analysis of strength and moduli of jointed rocks. <i>Geotechnical and Geological Engineering</i> , <b>2000</b> , 18, 3-21   | 1.5 | 22 |
| 7  | Non-linear analysis of geomechanical problems using coupled finite and infinite elements. <i>Geotechnical and Geological Engineering</i> , <b>1998</b> , 16, 129-149  | 1.5 | 2  |
| 6  | Simplified approach to the analysis of a reinforced soil bed as a two-layer soil system. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , <b>1998</b> , 2, 93-101   | 1   | 1  |
| 5  | Earthquake Hazard Assessment  |     | 5  |
| 4  | Seismic Behavior and Dynamic Site Response of Municipal Solid Waste Landfill in India. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 168-196  | 0.4 | 3  |
| 3  | Appraisal of Thanneermukkom bund as a coastal reservoir in Kuttanad, Kerala. <i>Journal of Applied Water Engineering and Research</i> , 1-12  | 1.2 | 1  |
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