

# Bal Krishna Maheshwari

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

617  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Behaviour of Solani sand under monotonic and cyclic loading: experiments and finite element simulations. <i>International Journal of Geotechnical Engineering</i> , 2022, 16, 729-742.	2.0	4
2	Liquefaction Potential of Sites in Roorkee Region Using SPT-Based Methods. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2022, 8, 1.	2.0	6
3	Spatial predictive modelling of rainfall- and earthquake-induced landslide susceptibility in the Himalaya region of Uttarakhand, India. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	2.7	5
4	A State of Art: Seismic Soil-Structure Interaction for Nuclear Power Plants. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 393-409.	0.4	1
5	GIS-based pre- and post-earthquake landslide susceptibility zonation with reference to 1999 Chamoli earthquake. <i>Journal of Earth System Science</i> , 2020, 129, 1.	1.3	9
6	Earthquake-Induced Landslide Hazard Assessment of Chamoli District, Uttarakhand Using Relative Frequency Ratio Method. <i>Indian Geotechnical Journal</i> , 2019, 49, 108-123.	1.4	22
7	Dynamic properties of soils at low strains in Roorkee region using resonant column tests. <i>International Journal of Geotechnical Engineering</i> , 2019, 13, 399-410.	2.0	8
8	Dynamic Properties of Soils at Large Strains in Roorkee Region Using Field and Laboratory Tests. <i>Indian Geotechnical Journal</i> , 2018, 48, 125-141.	1.4	17
9	Non-linear SSI analysis in time domain using coupled FEM-SBFEM for a soil-pile system. <i>Geotechnique</i> , 2017, 67, 572-580.	4.0	12
10	Correlation Between Shear Wave Velocity ( $V_s$ ) and SPT Resistance (N) for Roorkee Region. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2016, 2, 1.	2.0	61
11	Verification of Implementation of HiSS Soil Model in the Coupled FEM-SBFEM SSI Analysis. <i>International Journal of Geomechanics</i> , 2016, 16, 04015034.	2.7	7
12	Three-Dimensional Nonlinear Seismic Analysis of Pile Groups Using FE-CIFECM Coupling in a Hybrid Domain and HISS Plasticity Model. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	14
13	Liquefaction Potential of Roorkee Region Using Field and Laboratory Tests. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2015, 1, 1.	2.0	16
14	Modeling Using Coupled FEM-SBFEM for Three-Dimensional Seismic SSI in Time Domain. <i>International Journal of Geomechanics</i> , 2014, 14, 118-129.	2.7	19
15	Three Dimensional Nonlinear Seismic Behaviour of 3 Pile Groups in Liquefiable Soil. <i>Indian Geotechnical Journal</i> , 2014, 44, 68-76.	1.4	2
16	Seismic Requalification of Pile Foundations in Liquefiable Soils. <i>Indian Geotechnical Journal</i> , 2014, 44, 183-195.	1.4	17
17	Geotechnical Aspects of Sikkim Earthquake of September 18, 2011. <i>Indian Geotechnical Journal</i> , 2013, 43, 170-179.	1.4	7
18	Effects of cyclic loads on dynamic properties of soils in the Ganga basin. <i>International Journal of Geotechnical Engineering</i> , 2013, 7, 149-155.	2.0	6

#	ARTICLE	IF	CITATIONS
19	Closure to "Effects of Reinforcement on Liquefaction Resistance of Solani Sand" by B. K. Maheshwari, H. P. Singh, and Swami Saran. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1634-1635.	3.0	6
20	Effects of Separation on the Behavior of Soil-Pile Interaction in Liquefiable Soils. <i>International Journal of Geomechanics</i> , 2012, 12, 1-13.	2.7	39
21	Effects of Reinforcement on Liquefaction Resistance of Solani Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 831-840.	3.0	75
22	Effects of Geogrid on Dynamic Strength Characteristics of Solani Sand. <i>Indian Geotechnical Journal</i> , 2012, 42, 287.	1.4	1
23	Seismic Behavior of Soil-Pile-Structure Interaction in Liquefiable Soils: Parametric Study. <i>International Journal of Geomechanics</i> , 2011, 11, 335-347.	2.7	76
24	Effects of Non-Plastic Silts on Liquefaction Potential of Solani Sand. <i>Geotechnical and Geological Engineering</i> , 2010, 28, 559-566.	1.7	23
25	Filtration and Clogging Behavior of Geotextiles with Roorkee Soils. <i>Geotechnical and Geological Engineering</i> , 2008, 26, 101-107.	1.7	14
26	Geotechnical and Structural Damage in Tamil Nadu, India, from the December 2004 Indian Ocean Tsunami. <i>Earthquake Spectra</i> , 2006, 22, 475-493.	3.1	20
27	Tsunami Intensity Mapping Along the Coast of Tamilnadu (India) During the Deadliest Indian Ocean Tsunami of December 26, 2004. <i>Pure and Applied Geophysics</i> , 2006, 163, 1279-1304.	1.9	4
28	Three-Dimensional Nonlinear Seismic Analysis of Single Piles Using Finite Element Model: Effects of Plasticity of Soil. <i>International Journal of Geomechanics</i> , 2005, 5, 35-44.	2.7	63
29	Three-dimensional finite element nonlinear dynamic analysis of pile groups for lateral transient and seismic excitations. <i>Canadian Geotechnical Journal</i> , 2004, 41, 118-133.	2.8	63
30	Earthquake-Induced Permanent Displacements of Landslides in Himalaya Using Simplified Methods and Nonlinear FE Dynamic Analysis. <i>Indian Geotechnical Journal</i> , 0, , .	1.4	0