

# 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	Seismic Behavior of Soil-Pile-Structure Interaction in Liquefiable Soils: Parametric Study. International Journal of Geomechanics, 2011, 11, 335-347.	2.7	76
2	Effects of Reinforcement on Liquefaction Resistance of Solani Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 831-840.	3.0	75
3	Three-dimensional finite element nonlinear dynamic analysis of pile groups for lateral transient and seismic excitations. Canadian Geotechnical Journal, 2004, 41, 118-133.	2.8	63
4	Three-Dimensional Nonlinear Seismic Analysis of Single Piles Using Finite Element Model: Effects of Plasticity of Soil. International Journal of Geomechanics, 2005, 5, 35-44.	2.7	63
5	Correlation Between Shear Wave Velocity ( $V_s$ ) and SPT Resistance (N) for Roorkee Region. International Journal of Geosynthetics and Ground Engineering, 2016, 2, 1.	2.0	61
6	Effects of Separation on the Behavior of Soil-Pile Interaction in Liquefiable Soils. International Journal of Geomechanics, 2012, 12, 1-13.	2.7	39
7	Effects of Non-Plastic Silts on Liquefaction Potential of Solani Sand. Geotechnical and Geological Engineering, 2010, 28, 559-566.	1.7	23
8	Earthquake-Induced Landslide Hazard Assessment of Chamoli District, Uttarakhand Using Relative Frequency Ratio Method. Indian Geotechnical Journal, 2019, 49, 108-123.	1.4	22
9	Geotechnical and Structural Damage in Tamil Nadu, India, from the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 475-493.	3.1	20
10	Modeling Using Coupled FEM-SBFEM for Three-Dimensional Seismic SSI in Time Domain. International Journal of Geomechanics, 2014, 14, 118-129.	2.7	19
11	Seismic Requalification of Pile Foundations in Liquefiable Soils. Indian Geotechnical Journal, 2014, 44, 183-195.	1.4	17
12	Dynamic Properties of Soils at Large Strains in Roorkee Region Using Field and Laboratory Tests. Indian Geotechnical Journal, 2018, 48, 125-141.	1.4	17
13	Liquefaction Potential of Roorkee Region Using Field and Laboratory Tests. International Journal of Geosynthetics and Ground Engineering, 2015, 1, 1.	2.0	16
14	Filtration and Clogging Behavior of Geotextiles with Roorkee Soils. Geotechnical and Geological Engineering, 2008, 26, 101-107.	1.7	14
15	Three-Dimensional Nonlinear Seismic Analysis of Pile Groups Using FE-CIFECM Coupling in a Hybrid Domain and HISS Plasticity Model. International Journal of Geomechanics, 2015, 15, .	2.7	14
16	Non-linear SSI analysis in time domain using coupled FEM-SBFEM for a soil-pile system. Geotechnique, 2017, 67, 572-580.	4.0	12
17	GIS-based pre- and post-earthquake landslide susceptibility zonation with reference to 1999 Chamoli earthquake. Journal of Earth System Science, 2020, 129, 1.	1.3	9
18	Dynamic properties of soils at low strains in Roorkee region using resonant column tests. International Journal of Geotechnical Engineering, 2019, 13, 399-410.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Geotechnical Aspects of Sikkim Earthquake of September 18, 2011. Indian Geotechnical Journal, 2013, 43, 170-179.	1.4	7
20	Verification of Implementation of HiSS Soil Model in the Coupled FEM–SBFEM SSI Analysis. International Journal of Geomechanics, 2016, 16, 04015034.	2.7	7
21	Effects of cyclic loads on dynamic properties of soils in the Ganga basin. International Journal of Geotechnical Engineering, 2013, 7, 149-155.	2.0	6
22	Closure to “Effects of Reinforcement on Liquefaction Resistance of Solani Sand” by B. K. Maheshwari, H. P. Singh, and Swami Saran. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1634-1635.	3.0	6
23	Liquefaction Potential of Sites in Roorkee Region Using SPT-Based Methods. International Journal of Geosynthetics and Ground Engineering, 2022, 8, 1.	2.0	6
24	Spatial predictive modelling of rainfall- and earthquake-induced landslide susceptibility in the Himalaya region of Uttarakhand, India. Environmental Earth Sciences, 2022, 81, 1.	2.7	5
25	Tsunami Intensity Mapping Along the Coast of Tamilnadu (India) During the Deadliest Indian Ocean Tsunami of December 26, 2004. Pure and Applied Geophysics, 2006, 163, 1279-1304.	1.9	4
26	Behaviour of Solani sand under monotonic and cyclic loading: experiments and finite element simulations. International Journal of Geotechnical Engineering, 2022, 16, 729-742.	2.0	4
27	Three Dimensional Nonlinear Seismic Behaviour of 3–3 Pile Groups in Liquefiable Soil. Indian Geotechnical Journal, 2014, 44, 68-76.	1.4	2
28	Effects of Geogrid on Dynamic Strength Characteristics of Solani Sand. Indian Geotechnical Journal, 2012, 42, 287.	1.4	1
29	A State of Art: Seismic Soil–Structure Interaction for Nuclear Power Plants. Springer Transactions in Civil and Environmental Engineering, 2021, , 393-409.	0.4	1
30	Earthquake-Induced Permanent Displacements of Landslides in Himalaya Using Simplified Methods and Nonlinear FE Dynamic Analysis. Indian Geotechnical Journal, 0, , .	1.4	0