

# CITATION REPORT

List of articles citing

**Influence of geosynthetic encasement on the performance of stone columns floating in soft clay**

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#	Paper	IF	Citations
91	Improved performance of soft clay foundations using stone columns and geocell-sand mattress. <i>Geotextiles and Geomembranes</i> , <b>2013</b> , 41, 26-35	5.2	71
90	A Study on the Effect of a Dyke Reinforced by Geotextile-Encased Sand Columns. <i>Advanced Materials Research</i> , <b>2014</b> , 919-921, 7-9	0.5	
89	Full-scale load test and finite-element analysis of soft ground improved by geotextile-encased granular columns. <i>Geosynthetics International</i> , <b>2015</b> , 22, 428-438	3.3	55
88	Failure mechanism of geosynthetic-encased stone columns in soft soils under embankment. <i>Geotextiles and Geomembranes</i> , <b>2015</b> , 43, 424-431	5.2	88
87	Influence of permeability of soft clay on the efficiency of stone columns and geosynthetic-encased stone columns – numerical study. <i>International Journal of Geotechnical Engineering</i> , <b>2015</b> , 9, 483-493	1.5	24
86	Numerical study on ground improvement for liquefaction mitigation using stone columns encased with geosynthetics. <i>Geotextiles and Geomembranes</i> , <b>2015</b> , 43, 190-195	5.2	36
85	Grouted gravel column-supported highway embankment over soft clay: case study. <i>Canadian Geotechnical Journal</i> , <b>2015</b> , 52, 1725-1733	3.2	31
84	Behavior of Geotextile-Encased Granular Columns Supporting Test Embankment on Soft Deposit. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2015</b> , 141, 04014116	3.4	63
83	Engineering of ground with granular piles: a critical review. <i>International Journal of Geotechnical Engineering</i> , <b>2016</b> , 10, 337-357	1.5	7
82	Characteristics of the stress and deformation of geosynthetic-encased stone column composite ground based on large-scale model tests. <i>Geosynthetics International</i> , <b>2016</b> , 1-13	3.3	5
81	Direct shear tests on geosynthetic-encased granular columns. <i>Geotextiles and Geomembranes</i> , <b>2016</b> , 44, 396-405	5.2	47
80	Model tests on geotextile-encased granular columns under 1-g and undrained conditions. <i>Geotextiles and Geomembranes</i> , <b>2016</b> , 44, 13-27	5.2	60
79	3-Dimensional numerical modeling of geosynthetic-encased granular columns. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 131-141	5.2	27
78	Experimental evaluation of geosynthetics as reinforcement for shotcrete. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 161-168	5.2	3
77	Performance of geosynthetic-reinforced granular piles in soft clays: Model tests and numerical analysis. <i>Computers and Geotechnics</i> , <b>2017</b> , 87, 178-187	4.4	26
76	Geotextile encased columns (GEC) used as pressure-relief system. Instrumented bridge abutment case study on soft soil. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 227-236	5.2	12
75	Groups of encased stone columns: Influence of column length and arrangement. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 68-80	5.2	44

74	A numerical analysis of a fully penetrated encased granular column. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 391-405	5.2	12
73	The Geosynthetics for Sustainable Construction of Infrastructure Projects. <b>2017</b> , 47, 2-34		6
72	Fully coupled solution for the consolidation of poroelastic soil around geosynthetic encased stone columns. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 616-626	5.2	7
71	Influence of geotextile encasement on the behaviour of stone columns: Laboratory study. <i>Geotextiles and Geomembranes</i> , <b>2017</b> , 45, 14-22	5.2	29
70	Performance of small group of geosynthetic-reinforced granular piles. <i>Marine Georesources and Geotechnology</i> , <b>2017</b> , 35, 504-511	2.2	2
69	Time-dependent behaviour of fully and partially penetrated geosynthetic encased stone columns. <i>Geosynthetics International</i> , <b>2017</b> , 24, 60-71	3.3	25
68	Strength and consolidation characteristics of clay with geotextile-encased sand column. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , <b>2018</b> , 171, 125-134	1	3
67	Bearing Capacity of Strip Footing on Clay Slope Reinforced with Stone Columns. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 5559-5572	2.5	8
66	Uniaxial compression behavior of geotextile encased stone columns. <i>Geotextiles and Geomembranes</i> , <b>2018</b> , 46, 277-283	5.2	32
65	Experimental study on soil improvement with stone columns and granular blankets. <i>Journal of Central South University</i> , <b>2018</b> , 25, 866-878	2.1	6
64	Seismic behavior of geosynthetic encased columns and ordinary stone columns. <i>Geotextiles and Geomembranes</i> , <b>2018</b> , 46, 40-51	5.2	40
63	Experimental Investigation on the Bearing Capacity of Stone Columns with Granular Blankets. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 209-222	1.5	8
62	Closely spaced rectangular footings on sand over soft clay with geogrid at the interface. <i>Geosynthetics International</i> , <b>2018</b> , 25, 412-426	3.3	6
61	Deformation analysis of geosynthetic-encased stone column using cavity expansion models with emphasis on boundary condition. <i>Geotextiles and Geomembranes</i> , <b>2019</b> , 47, 831-842	5.2	5
60	On the shear failure mode of granular column embedded unit cells subjected to static and cyclic shear loads. <i>Geotextiles and Geomembranes</i> , <b>2019</b> , 47, 193-202	5.2	18
59	Laboratory and numerical based analysis of floating sand columns in clayey soil. <i>International Journal of Geo-Engineering</i> , <b>2019</b> , 10, 1	2.1	6
58	Laboratory Study on Single Stone Columns Reinforced with Steel Bars and Discs. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2019</b> , 5, 1	2	5
57	Large-scale load capacity tests on a geosynthetic encased column. <i>Geotextiles and Geomembranes</i> , <b>2019</b> , 47, 632-641	5.2	18

56	Model tests on geosynthetic-encased construction concrete debris column in fly ash fill. <i>Innovative Infrastructure Solutions</i> , <b>2019</b> , 4, 1	2.3	4
55	Numerical Study of the Behavior of a Fully Encased Stone Column Bearing on a Non-Rigid Layer. <b>2019</b> ,		
54	A comparative study for the performance of encased granular columns. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2019</b> , 11, 379-388	5.3	17
53	Response of stone column-improved ground under c-? soil embankment. <i>Soils and Foundations</i> , <b>2019</b> , 59, 617-632	2.9	2
52	Influence of Combined Vertical and Horizontal Reinforcement on Granular Piles in Soft Clays. <i>Lecture Notes in Civil Engineering</i> , <b>2019</b> , 311-318	0.3	
51	Interference Effect of Closely Spaced Footings Resting on Granular Fill over Soft Clay. <i>International Journal of Geomechanics</i> , <b>2019</b> , 19, 04018181	3.1	12
50	Bearing Capacity of Group of Stone Columns with Granular Blankets. <i>International Journal of Civil Engineering</i> , <b>2019</b> , 17, 253-263	1.9	6
49	Use of recycled materials in floating stone columns. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , <b>2020</b> , 173, 99-108	0.8	2
48	Ultimate Shear Resistance of Silty Sands Improved by Stone Columns Estimation Using Neural Network and Imperialist Competitive Algorithm. <i>Geotechnical and Geological Engineering</i> , <b>2020</b> , 38, 1485-1496	1.5	4
47	A Study on the Behaviour of Stone Columns in a Layered Soil System. <i>Transportation Infrastructure Geotechnology</i> , <b>2020</b> , 7, 85-102	1.3	4
46	3D coupled mechanical and hydraulic modeling of geosynthetic encased stone column-supported embankment over soft clay. <i>Marine Georesources and Geotechnology</i> , <b>2020</b> , 1-11	2.2	2
45	Analyzing the deformation and failure of geosynthetic-encased granular soil in the triaxial stress condition. <i>Geotextiles and Geomembranes</i> , <b>2020</b> , 48, 886-896	5.2	5
44	Experimental studies on single reinforced stone columns with various positions of geotextile. <i>Innovative Infrastructure Solutions</i> , <b>2020</b> , 5, 1	2.3	2
43	Experimental study on the effect of temperature on marine clay consolidation with vertical sand drains. <i>Marine Georesources and Geotechnology</i> , <b>2020</b> , 1-9	2.2	4
42	Experimental and numerical study on the bearing capacity of encased stone columns. <i>International Journal of Geo-Engineering</i> , <b>2020</b> , 11, 1	2.1	4
41	Use of Soil Cement Bed to Improve Bearing Capacity of Stone Columns. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 06020008	3.1	5
40	Deformation analysis of geosynthetic-encased stone column-supported embankments using cavity expansion model. <i>European Journal of Environmental and Civil Engineering</i> , <b>2020</b> , 1-21	1.5	0
39	Effect of aspect ratio of footing on behavior of two closely-spaced footings on geogrid-reinforced sand. <i>Geotextiles and Geomembranes</i> , <b>2020</b> , 48, 443-453	5.2	6

38	Load-Settlement Behavior of Concrete Debris Pile in Fly Ash Fill. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , <b>2020</b> , 24, 04020006	2.3	2
37	Encased stone columns: coupled continuum-discrete modelling and observations. <i>Geosynthetics International</i> , <b>2020</b> , 27, 581-592	3.3	5
36	Performance of polypropylene textile encased stone columns. <i>Geotextiles and Geomembranes</i> , <b>2021</b> , 49, 222-242	5.2	5
35	Centrifuge model tests on the deformation behavior of geosynthetic-encased stone column supported embankment under undrained condition. <i>Geotextiles and Geomembranes</i> , <b>2021</b> , 49, 550-563	5.2	5
34	Loose Ash Fills Reinforced With the High Confined Encased Stone Columns: Experimental and Numerical Investigation. <i>Geotechnical and Geological Engineering</i> , <b>2021</b> , 39, 2503-2520	1.5	2
33	Centrifuge modeling of geosynthetic-encased stone column-supported embankment over soft clay. <i>Geotextiles and Geomembranes</i> , <b>2021</b> , 49, 210-221	5.2	7
32	The Novel Usage of EPS Geofoam as Column Material: A Laboratory Study. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2021</b> , 7, 1	2	
31	Numerical Study of the Load Transfer Mechanism for Encased Stone Columns of Varying Lengths Bearing on Rigid and Non-Rigid Layers. <b>2021</b> ,		
30	Behavior characteristics of geosynthetic-encased stone column under cyclic loading. <i>Transportation Geotechnics</i> , <b>2021</b> , 28, 100554	4	4
29	Model Tests on Coir Geotextile-Encased Stone Columns with Tyre Crumb-Infilled Basal Coir Geocell. <i>International Journal of Geosynthetics and Ground Engineering</i> , <b>2021</b> , 7, 1	2	1
28	Utilisation of steel slag as a granular column to enhance the lateral load capacity of soil. <i>Geomechanics and Geoengineering</i> , 1-11	1.4	0
27	Relative contribution of various deformation mechanisms in the settlement of floating stone column-supported foundations. <i>Computers and Geotechnics</i> , <b>2021</b> , 134, 104109	4.4	0
26	Experimental and analytical study on soilbag and encased sand columns in loose sand. <i>Transportation Geotechnics</i> , <b>2021</b> , 29, 100553	4	2
25	A Method of Settlement Calculation of Ground Improved by Floating Deep Mixed Columns Based on Laboratory Model Tests and Finite Element Analysis. <i>International Journal of Civil Engineering</i> , 1	1.9	2
24	Geosynthetic encased column-supported embankment: Behavior with and without basal geogrid. <i>Geosynthetics International</i> , 1-56	3.3	0
23	Critical length of encased stone columns. <i>Geotextiles and Geomembranes</i> , <b>2021</b> , 49, 1312-1323	5.2	4
22	A large-scale shaking table model test for acceleration and deformation response of geosynthetic encased stone column composite ground. <i>Geotextiles and Geomembranes</i> , <b>2021</b> , 49, 1407-1418	5.2	4
21	Study on Response of Dual Layered Reinforced Stone Column Under Shear Loading. <i>Sustainable Civil Infrastructures</i> , <b>2021</b> , 107-117	0.2	

20	Soft Soil Improvement with Conventional and Geogrid-Encased Stone Piles Under an Embankment. <i>Sustainable Civil Infrastructures</i> , <b>2018</b> , 110-125	0.2	1
19	Experimental Investigation of Geosynthetic Encased Conventional Aggregate and Fly Ash Brick Bats Columns on Soft Clay. <i>International Journal of Pavement Research and Technology</i> , 1	2	0
18	Consolidation and bearing capacity studies on solid waste ash fill by using hybrid granular piles. <i>Innovative Infrastructure Solutions</i> , <b>2022</b> , 7, 1	2.3	1
17	1-g Model Test on Internally Reinforced Granular Columns. <i>Geotechnical Testing Journal</i> , <b>2019</b> , 42, 20170332	1.32	1
16	Numerical study of soilbag columns and comparison to encased soil columns in loose sand. <i>Computers and Geotechnics</i> , <b>2022</b> , 142, 104588	4.4	0
15	Kaolin Clay Reinforced with a Granular Column Containing Crushed Waste Glass or Traditional Construction Sands. <i>International Journal of Geomechanics</i> , <b>2022</b> , 22,	3.1	0
14	Parametric Effect on Granular Columns: A Brief Review. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 81-89	0.3	
13	Comparison of Accuracy in Prediction of Radial Strain in Stone Columns Using AI Based Models. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 209-222	0.3	
12	Effect of basal reinforcement on performance of floating geosynthetic encased stone column-supported embankment. <i>Geotextiles and Geomembranes</i> , <b>2022</b> ,	5.2	1
11	Numerical modeling of floating geosynthetic-encased stone column-supported embankments with basal reinforcement. <i>Geotextiles and Geomembranes</i> , <b>2022</b> ,	5.2	1
10	Bearing behaviour of floating and end bearing encased stone columns with different encasement materials. <i>Arabian Journal of Geosciences</i> , <b>2022</b> , 15, 1	1.8	
9	Geotechnical Performance of Encapsulated and Stabilized Stone Columns in a Collapsible Soil. <i>International Journal of Geomechanics</i> , <b>2022</b> , 22,	3.1	0
8	Reinforcement of floating stone columns with spaced reinforcing rings. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , <b>2021</b> , 174, 273-287	1	0
7	Sustainable utilisation of steel slag as granular column for ground improvement in geotechnical projects. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 17, e01333	2.7	0
6	Behavior of floating stone columns reinforced with geogrid encasement in model tests. 9,		1
5	Consolidation and Slope Stability Study of Embankment Made of Ash Fill Supported by Hybrid Stone Columns: 3D Numerical Investigation. <b>2023</b> , 727-736		0
4	Construction and Demolition Waste as Valuable Resources for Geosynthetic-Encased Stone Columns. <b>2023</b> , 27,		0
3	Bearing Capacity of Annulus Stone Column Double-Encapsulated with Geotextiles. <b>2023</b> , 23,		0

- 2 Effect of Sand Blanket Reinforced with Geogrid Over the Stone Column in Compressible Clay Soils: 3D Numerical Study. **2023**, 397-406 ○
- 1 Contribution of geosynthetic to the shear strength of geosynthetic encased stone columns. 1-14 ○