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Cementation of sand soil by microbially induced calcite precipitation at various degrees of saturation

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#	Paper	IF	Citations
433	Selective enrichment and production of highly urease active bacteria by non-sterile (open) chemostat culture. <b>2013</b> , 40, 1095-104		48
432	Biomineralization of calcium carbonates and their engineered applications: a review. <b>2013</b> , 4, 314		302
431	Bio-cementation of sandy soil using microbially induced carbonate precipitation for marine environments. <b>2014</b> , 64, 1010-1013		121
430	Upscaling Effects of Soil Improvement by Microbially Induced Calcite Precipitation by Surface Percolation. <b>2014</b> , 31, 396-406		99
429	SOLIDIFICATION OF SAND SOILS INDUCED BY CALCIUM CARBONATE PRECIPITATION UTILIZING BIOCATALYST. <b>2014</b> , 70, 290-300		3
428	Relationship between 1:5 Soil/Water and Saturated Paste Extract Sodium Adsorption Ratios by Three Extraction Methods. <b>2015</b> , 79, 681-687		11
427	Application of modified-alginate encapsulated carbonate producing bacteria in concrete: a promising strategy for crack self-healing. <b>2015</b> , 6, 1088		85
426	A review of microbial precipitation for sustainable construction. <b>2015</b> , 93, 1224-1235		141
425	Improving sand with microbial-induced carbonate precipitation. <b>2015</b> , 168, 217-230		49
424	Field capacity water as influenced by Na and EC: Implications for subsurface drainage. <b>2015</b> , 245-246, 83-88		18
423	Characterization of wet aggregate stability of soils by [H-NMR relaxometry. <b>2015</b> , 53, 694-703		24
422	Award-winning papers published in 2013. Canadian Geotechnical Journal, 2015, 52, iii-v	3.2	
421	Distribution of mineralized carbonate and its quantification method in enzyme mediated calcite precipitation technique. <b>2015</b> , 55, 447-457		56
420	Basics of Construction Microbial Biotechnology. <b>2015</b> , 21-56		24
419	Comparison of the Ability of Two Bacteria to Improve the Behavior of Sandy Soil. <b>2015</b> , 27, 06014025		26
418	TEMPERATURE EFFECTS ON THE STRENGH PROPERTIES OF MICROBIALLY STABILIZED RESIDUAL SOIL. <b>2016</b> , 78,		5
417	Durability of microbially induced calcite precipitation (micp) treated cohesionless soils. <b>2016</b> , 2, 1946-19	949	6

416	Soil-Improvement Technique. <b>2016</b> , 4, 37	30
415	Basic concepts on biopolymers and biotechnological admixtures for eco-efficient construction materials. <b>2016</b> , 13-35	5
414	Microbially Induced Sand Cementation Method Using Pararhodobacter sp. Strain SO1, Inspired by Beachrock Formation Mechanism. <b>2016</b> , 57, 428-437	43
413	Urease active bioslurry: a novel soil improvement approach based on microbially induced carbonate precipitation. <i>Canadian Geotechnical Journal</i> , <b>2016</b> , 53, 1376-1385	49
412	Soil structure amelioration with quicklime and irrigation experiments in earth graves. <b>2016</b> , 16, 2514-2522	10
411	Biogrouting coarse materials using soil-lift treatment strategy. <i>Canadian Geotechnical Journal</i> , <b>2016</b> , 53, 2080-2085	19
410	Pore-scale network modeling of microbially induced calcium carbonate precipitation: Insight into scale dependence of biogeochemical reaction rates. <b>2016</b> , 52, 8794-8810	29
409	Fabric characteristics and mechanical response of bio-improved sand to various treatment conditions. <b>2016</b> , 6, 50-57	48
408	Effect of biocementation on the strength and stability of termite mounds. <b>2016</b> , 3, 99-113	30
407	Geotechnical engineering behaviors of gellan gum biopolymer treated sand. <i>Canadian Geotechnical Journal</i> , <b>2016</b> , 53, 1658-1670	73
406	Biostabilization of a Sandy Soil Using Enzymatic Calcium Carbonate Precipitation. <b>2016</b> , 143, 1301-1308	34
405	An experimental study on dynamic response for MICP strengthening liquefiable sands. <b>2016</b> , 15, 673-679	38
404	Anthropogene Gefgeliderungen. <b>2016</b> , 1-12	
403	Biological process of soil improvement in civil engineering: A review. <b>2016</b> , 8, 767-774	81
402	State-of-the-art on geotechnical engineering perspective on bio-mediated processes. <b>2016</b> , 75, 1	19
401	Mechanical Behavior of Sands Treated by Microbially Induced Carbonate Precipitation. <b>2016</b> , 142, 04015066	130
400	Assessment of the Parameters Influencing Microbial Calcite Precipitation in Injection Experiments Using Taguchi Methodology. <b>2016</b> , 33, 163-172	12
399	Cementation of sand due to salt precipitation in drying process. <b>2017</b> , 35, 441-445	11

398	Changes in soil aeration and soil respiration of simulated grave soils after quicklime application. <b>2017</b> , 180, 153-164	8
397	Influence of Calcite Particles on Mechanical Properties of Grouted Sandy Soil. <b>2017</b> , 172, 681-684	5
396	Stabilisation of oil-contaminated soils using microbially induced calcite crystals by bacterial flocs. <b>2017</b> , 7, 146-151	12
395	Localised Deformation of Weakly Cemented Sands: A Case Study. <b>2017</b> , 381-389	1
394	Sustainable Biocement Production via Microbially Induced Calcium Carbonate Precipitation: Use of Limestone and Acetic Acid Derived from Pyrolysis of Lignocellulosic Biomass. <b>2017</b> , 5, 5183-5190	60
393	Liquefaction resistance of sand remediated with carbonate precipitation at different degrees of saturation during curing. <b>2017</b> , 57, 619-631	39
392	Biological Stabilization of a Swelling Fine-Grained Soil: The Role of Microstructural Changes in the Shear Behavior. <b>2017</b> , 41, 405-414	13
391	Bio-Grout Materials: A Review. <b>2017</b> ,	17
390	Effect of Soil Type on the Enzymatic Calcium Carbonate Precipitation Process Used for Soil Improvement. <b>2017</b> , 29, 04016263	48
389	Surface Percolation for Soil Improvement by Biocementation Utilizing In Situ Enriched Indigenous Aerobic and Anaerobic Ureolytic Soil Microorganisms. <b>2017</b> , 34, 546-556	27
388	Influence of Key Environmental Conditions on Microbially Induced Cementation for Soil Stabilization. <b>2017</b> , 143, 04016083	129
387	Stiffness Behavior of Soil Stabilized with Alkali-Activated Fly Ash from Small to Large Strains. <b>2017</b> , 17, 04016087	32
386	Microbially Induced Carbonate Precipitation for Seepage-Induced Internal Erosion Control in Sand <b>[</b> Ilay Mixtures. <b>2017</b> , 143, 04016100	109
385	State-of-the-Art Review of Biocementation by Microbially Induced Calcite Precipitation (MICP) for Soil Stabilization. <b>2017</b> , 34, 524-537	186
384	Effect of fly ash on properties of crushed brick and reclaimed asphalt in pavement base/subbase applications. <b>2017</b> , 321, 547-556	59
383	The applicability of microbially induced calcite precipitation (MICP) for internal erosion control in gravelBand mixtures. <b>2017</b> , 67, 42-55	112
382	Optimization of Enzyme-Mediated Calcite Precipitation as a Soil-Improvement Technique: The Effect of Aragonite and Gypsum on the Mechanical Properties of Treated Sand. <b>2017</b> , 7, 59	28
381	Mechanical properties and durability of bio-blocks with recycled concrete aggregates. <b>2018</b> , 165, 859-865	11

380	Effects of clay's chemical interactions on biocementation. <b>2018</b> , 156, 96-103	59
379	Fly ash incorporated with biocement to improve strength of expansive soil. <b>2018</b> , 8, 2565	29
378	3-D micro-architecture and mechanical response of soil cemented via microbial-induced calcite precipitation. <b>2018</b> , 8, 1416	59
377	Applying MICP by denitrification in soils: a process analysis. <b>2018</b> , 5, 79-93	42
376	Improvement of a sandy soil by enzymatic calcium carbonate precipitation. 2018, 171, 3-15	28
375	Biocementation of calcareous sand using soluble calcium derived from calcareous sand. <b>2018</b> , 77, 1781-1791	50
374	Effect of Water Content on the Strength of Bio-Cemented Sand in Various Drying Process. 2018, 23-35	3
373	LIQUEFACTION MITIGATION EFFICIENCY OF SAND IMPROVED WITH CALCIUM CARBONATE PRECIPITATED UNDER VARIOUS DEGREES OF SATURATION. <b>2018</b> , 74, 164-176	
372	Micro to MACRO Mathematical Modelling in Soil Mechanics. 2018,	
371	Chemo-mechanical Modelling in Bonded Geomaterials from the Micro- to the Macro-scale. <b>2018</b> , 127-133	
37 <sup>1</sup>	Chemo-mechanical Modelling in Bonded Geomaterials from the Micro- to the Macro-scale. <b>2018</b> , 127-133  IFCEE 2018. <b>2018</b> ,	
		11
370	IFCEE 2018. <b>2018</b> ,  Experimental Investigation of the Behavior of Collapsible Loess Treated with the Acid-addition	<b>11</b> 5
37° 369	IFCEE 2018. 2018,  Experimental Investigation of the Behavior of Collapsible Loess Treated with the Acid-addition Pre-soaking Method. 2018, 22, 4373-4384  Review on biological process of soil improvement in the mitigation of liquefaction in sandy soil.	
37° 369 368	IFCEE 2018. 2018,  Experimental Investigation of the Behavior of Collapsible Loess Treated with the Acid-addition Pre-soaking Method. 2018, 22, 4373-4384  Review on biological process of soil improvement in the mitigation of liquefaction in sandy soil. 2018, 250, 01017  Increasing of Soil Urease Activity by Stimulation of Indigenous Bacteria and Investigation of Their	5
37° 369 368 367	IFCEE 2018. 2018,  Experimental Investigation of the Behavior of Collapsible Loess Treated with the Acid-addition Pre-soaking Method. 2018, 22, 4373-4384  Review on biological process of soil improvement in the mitigation of liquefaction in sandy soil. 2018, 250, 01017  Increasing of Soil Urease Activity by Stimulation of Indigenous Bacteria and Investigation of Their Role on Shear Strength. 2018, 35, 821-828  Small-strain shear modulus and liquefaction resistance of sand with carbonate precipitation. 2018,	5
369 368 367 366	IFCEE 2018. 2018,  Experimental Investigation of the Behavior of Collapsible Loess Treated with the Acid-addition Pre-soaking Method. 2018, 22, 4373-4384  Review on biological process of soil improvement in the mitigation of liquefaction in sandy soil. 2018, 250, 01017  Increasing of Soil Urease Activity by Stimulation of Indigenous Bacteria and Investigation of Their Role on Shear Strength. 2018, 35, 821-828  Small-strain shear modulus and liquefaction resistance of sand with carbonate precipitation. 2018, 115, 710-718	5

362	Improving the strength of sandy soils via ureolytic CaCO<sub>3</sub> solidification by <i>Sporosarcina ureae</i>. <b>2018</b> , 15, 4367-4380	9
361	Improving the Shear Strength of Quartz Sand using the Microbial Method. <b>2018</b> , 35, 749-756	16
360	Effect of Biogenic Gas on Skempton Pore Pressure Parameter B w. <b>2018</b> ,	
359	Factors Affecting Sand Solidification Using MICP with Pararhodobacter sp <b>2018</b> , 59, 72-81	25
358	Soil column infiltration tests on biomediated capillary barrier systems for mitigating rainfall-induced landslides. <b>2018</b> , 77, 1	8
357	Viscosity-Enhanced EICP Treatment of Soil. 2018,	5
356	Applications of Microbial Processes in Geotechnical Engineering. 2018, 104, 39-91	17
355	Mineralization and cementing properties of bio-carbonate cement, bio-phosphate cement, and bio-carbonate/phosphate cement: a review. <b>2018</b> , 25, 21483-21497	16
354	Study on Low-Strength Biocemented Sands Using a Temperature-Controlled MICP (Microbially Induced Calcite Precipitation) Method. <b>2019</b> , 15-26	
353	Sand and silty-sand soil stabilization using bacterial enzymelhduced calcite precipitation (BEICP).  Canadian Geotechnical Journal, <b>2019</b> , 56, 808-822	44
352	Micro-continuum modelling of injection strategies for microbially induced carbonate precipitation. <b>2019</b> , 92, 11019	1
351	Applicability of Microbial Calcification Method for Sandy-Slope Surface Erosion Control. <b>2019</b> , 31, 04019250	61
350	Unconfined Compressive and Splitting Tensile Strength of Basalt Fiber <b>R</b> einforced Biocemented Sand. <b>2019</b> , 145, 04019048	79
349	Structural stabilization of soil backfill with quicklime. <b>2019</b> , 182, 578-585	3
348	Plasticity characteristics of lateritic soil treated with Sporosarcina pasteurii in microbial-induced calcite precipitation application. <b>2019</b> , 1, 1	15
347	Large-scale model tests of biogrouting for sand and rock. <b>2019</b> , 1-10	4
346	Biological soil improvement using new environmental bacteria isolated from northern Iran. 2019, 1-13	11
345	Biogrouting of Aggregates Using Premixed Injection Method with or without pH Adjustment. <b>2019</b> , 31, 06019008	17

# (2019-2019)

344	carbonate precipitation. <b>2019</b> , 103, 8825-8838	9
343	Feasibility study for slope soil stabilization by microbial induced carbonate precipitation (MICP) using indigenous bacteria isolated from cold subarctic region. <b>2019</b> , 1, 1	23
342	Microalga-induced biocementation of martian regolith simulant: Effects of biogrouting methods and calcium sources. <b>2019</b> , 229, 116885	7
341	Research on Unconstrained Compressive Strength and Microstructure of Calcareous Sand with Curing Agent. <b>2019</b> , 7, 294	7
340	Effect of Particle Shape on Strength and Stiffness of Biocemented Glass Beads. <b>2019</b> , 145, 06019016	62
339	Strength and Deformation Responses of Biocemented Sands Using a Temperature-Controlled Method. <b>2019</b> , 19, 04019120	40
338	Graphene oxide on microbially induced calcium carbonate precipitation. <b>2019</b> , 145, 104767	5
337	Enhancement of MICP-Treated Sandy Soils against Environmental Deterioration. <b>2019</b> , 31, 04019294	29
336	Microstructural and Geomechanical Study on Biocemented Sand for Optimization of MICP Process. <b>2019</b> , 31, 04019025	48
335	Effect of surcharge load on Microbial-Induced Calcite Precipitation (MICP) treatment of tropical peat. <b>2019</b> , 495, 012068	2
334	Effects of Different Clay® Percentages on Improvement of Sand-Clay Mixtures with Microbially Induced Calcite Precipitation. <b>2019</b> , 36, 810-818	13
333	Paleoproteomics of Mesozoic Dinosaurs and Other Mesozoic Fossils. <b>2019</b> , 19, e1800251	11
332	Unconfined Compressive Strength and Visualization of the Microstructure of Coarse Sand Subjected to Different Biocementation Levels. <b>2019</b> , 145, 04019033	26
331	Microbial-induced synthesis of mineralization products based on the capture of carbon dioxide: Characteristics, reaction kinetics, interfacial adhesion properties, and mechanism of action. <b>2019</b> , 66, 1589-1596	3
330	Geoenvironmental characteristics of bisphenol A contaminated soil after persulfate treatment with different activation/enhancement methods. <b>2019</b> , 14, e0214024	1
329	Phosphate microbial mineralization removes nickel ions from electroplating wastewater. <b>2019</b> , 245, 447-453	18
328	Role of Geochemistry in Sustainable Geotechnics. <b>2019</b> , 1-15	2
327	Effect of Organic Matter Content on Enzymatic Biocementation Process Applied to Coarse-Grained Soils. <b>2019</b> , 31, 04019121	20

326	Undrained Behavior of Microbially Induced Calcite Precipitated Sand with Polyvinyl Alcohol Fiber. <b>2019</b> , 9, 1214	7
325	X-Ray Computed Microtomography Imaging of Abiotic Carbonate Precipitation in Porous Media From a Supersaturated Solution: Insights Into Effect of CO2 Mineral Trapping on Permeability. <b>2019</b> , 55, 3835-3855	6
324	The Effect of Chemical Concentration on the Strength and Erodibility of MICP Treated Sands. 2019,	3
323	Simulated Implementation Approach for Microbially Induced Carbonate Precipitation Improvement of Soil Adjacent to Piles. <b>2019</b> ,	2
322	Comparison of Effects of Different Nutrients on Stimulating Indigenous Soil Bacteria for Biocementation. <b>2019</b> , 31, 04019067	11
321	A decade of progress and turning points in the understanding of bio-improved soils: A review. <b>2019</b> , 19, 100116	42
320	Thermal conductivity of MICP-treated sands at varying degrees of saturation. <b>2019</b> , 9, 15-21	11
319	Efficacy of biocementation of lead mine waste from the Kabwe Mine site evaluated using Pararhodobacter sp. <b>2019</b> , 26, 15653-15664	13
318	Efficacy of Fe3O4/Starch Nanoparticles on Sporosarcina pasteurii Performance in MICP Process. <b>2019</b> , 36, 359-365	4
317	Lattice element method for simulations of failure in bio-cemented sands. <b>2019</b> , 21, 1	10
316	Cell-free soil bio-cementation with strength, dilatancy and fabric characterization. <b>2019</b> , 14, 639-656	36
315	Effect of confining pressures on the shear modulus of sand treated with enzymatically induced calcite precipitation. <b>2019</b> , 615, 012042	6
314	Compressibility of biocemented loose sands under constant rate of strain, loading, and pseudo K-triaxial conditions. <b>2019</b> , 59, 1440-1455	4
313	Erosional behavior of gravel-sand mixtures stabilized by microbially induced calcite precipitation (MICP). <b>2019</b> , 59, 699-709	24
312	Geo-Congress 2019. <b>2019</b> ,	
311	Biogeotechnical approach for slope soil stabilization using locally isolated bacteria and inexpensive low-grade chemicals: A feasibility study on Hokkaido expressway soil, Japan. <b>2019</b> , 59, 484-499	38
310	Performance evaluation of lime and microbial cementation in residual soil improvement. <b>2019</b> , 527, 012005	2
309	Microbially Induced Calcite Precipitation (MICP) for Soil Stabilization. <b>2019</b> , 47-68	8

### (2020-2019)

308 Utilization of Microbially Induced Calcite Precipitation for Sand Solidification Using Pararhodobacter sp.. **2019**, 69-91

307	Award-winning papers published in 2017. <i>Canadian Geotechnical Journal</i> , <b>2019</b> , 56, vi-viii 3.2	1
306	Research advances and challenges in biogeotechnologies. <b>2019</b> , 6, 144-155	12
305	Influence of the microstructural properties of biocemented sand on its mechanical behavior. <b>2019</b> , 43, 568-577	5
304	Reconstructing granular particles from X-ray computed tomography using the TWS machine learning tool and the level set method. <b>2019</b> , 14, 1-18	37
303	Strength, stiffness, and microstructure characteristics of biocemented calcareous sand. <i>Canadian Geotechnical Journal</i> , <b>2019</b> , 56, 1502-1513	. 66
302	Resilient Behavior of Sodium Alginate Treated Cohesive Soils for Pavement Applications. 2019, 31, 0401836	61 28
301	Characterization of contact properties in biocemented sand using 3D X-ray micro-tomography. <b>2019</b> , 14, 597-613	17
300	Microbially induced calcite precipitation along a circular flow channel under a constant flow condition. <b>2019</b> , 14, 673-683	30
299	The use of microbial induced carbonate precipitation in healing cracks within reactive magnesia cement-based blends. <b>2019</b> , 115, 176-188	57
298	Honors Lecture: Biological Cementation of Unstable Soils and Grounds for Civil Infrastructure Developments. <b>2019</b> , 1-9	
297	Chemo-mechanical modeling of artificially and naturally bonded soils. <b>2019</b> , 18, 13-29	7
296	An elastoplastic mechanical constitutive model for microbially mediated cemented soils. <b>2019</b> , 14, 709-726	5 21
295	In-situ microbially induced Ca -alginate polymeric sealant for seepage control in porous materials. <b>2019</b> , 12, 324-333	12
294	Shear strength behavior and parameters of microbial gellan gum-treated soils: from sand to clay. <b>2019</b> , 14, 361-375	43
293	Biogrouting of hydraulic fill fine sands for reclamation projects. <b>2019</b> , 37, 212-222	11
292	Laboratory investigation on the effect of microsilica additive on mechanical properties of deep soil mixing columns in loose sandy soils. <b>2020</b> , 24, 321-335	2
291	Modelling microbial growth and biomass accumulation during methane oxidation in unsaturated soil. <i>Canadian Geotechnical Journal</i> , <b>2020</b> , 57, 189-204	4

290	Microbially induced calcite precipitation for production of Bio-bricksItreated at partial saturation condition. <b>2020</b> , 231, 117095	23
289	The effect of enrichment media on the stimulation of native ureolytic bacteria in calcareous sand. <b>2020</b> , 17, 1795-1808	16
288	Effects of biocementation on strength parameters of silty and clayey sands. <b>2020</b> , 9, 24-32	8
287	Advancements in Unsaturated Soil Mechanics. 2020,	
286	Bio-remediation of desiccation cracking in clayey soils through microbially induced calcite precipitation (MICP). <b>2020</b> , 264, 105389	61
285	Sugarcane Molasses: A Cheap Carbon Source for Calcite Production in Different Class of Soils using Stimulation of Indigenous Urease-producing Bacteria. <b>2020</b> , 37, 213-229	6
284	Study the grain size and infiltration method effects for sand soil improvement using the microbial method. <b>2020</b> , 37, 355-365	3
283	Passive CO removal in urban soils: Evidence from brownfield sites. <b>2020</b> , 703, 135573	12
282	The performance and mechanism of simultaneous removal of fluoride, calcium, and nitrate by calcium precipitating strain Acinetobacter sp. H12. <b>2020</b> , 187, 109855	18
281	Performance evaluation of a MICP-treated calcareous sandy foundation using shake table tests. <b>2020</b> , 129, 105959	16
280	Microbially induced calcite precipitation in calcareous soils by endogenous Bacillus cereus, at high pH and harsh weather. <b>2020</b> , 257, 109965	15
279	Shear Strength Envelopes of Biocemented Sands with Varying Particle Size and Cementation Level. <b>2020</b> , 146, 04020002	44
278	Strength and Micromechanism Analysis of Microbial Solidified Sand with Carbon Fiber. <b>2020</b> , 2020, 1-10	2
277	Assessment of erosion resistance of biocemented sandy slope subjected to wave actions. <b>2020</b> , 105, 102401	12
276	Freeze-thaw durability and shear responses of cemented slope soil treated by microbial induced carbonate precipitation. <b>2020</b> , 60, 840-855	33
275	Toe-Bearing Capacity of Precast Concrete Piles through Biogrouting Improvement. <b>2020</b> , 146, 06020026	24
274	Performance Study on Stabilization of Fine Grained Clay Soils Using Calcium Source Producing Microbes. <b>2020</b> , 24, 2631-2642	8
273	The promotion of magnesium ions on aragonite precipitation in MICP process. <b>2020</b> , 263, 120057	15

# (2020-2020)

272	Enzyme-Induced Carbonate Precipitation (EICP)-Based methods for ecofriendly stabilization of different types of natural sands. <b>2020</b> , 274, 122627		16	
271	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <b>2020</b> , 746, 140967		28	
270	Effect of Particle Size on Mechanical Property of Bio-Treated Sand Foundation. 2020, 10, 8294		3	
269	Review of Enzyme-Induced Calcite Precipitation as a Ground-Improvement Technique. <b>2020</b> , 5, 66		12	
268	Performance of soils enhanced with eco-friendly biopolymers in unconfined compression strength tests and fatigue loading tests. <b>2020</b> , 263, 120039		12	
267	Effect of Reactant Injection Rate on Solidifying Aeolian Sand via Microbially Induced Calcite Precipitation. <b>2020</b> , 32, 04020291		3	
266	Investigation of pore-scale CaCO3 distributions and their effects on stiffness and permeability of sands treated by microbially induced carbonate precipitation (MICP). <b>2020</b> , 60, 944-961		18	
265	State-of-the-Art Review of Microbial-Induced Calcite Precipitation and Its Sustainability in Engineering Applications. <b>2020</b> , 12, 6281		40	
264	Modification of Hydraulic Conductivity of Sandy Soil using Seawater and Alkaline Solutions. <b>2020</b> , 800, 012011			
263	Moisture alone is sufficient to impart strength but not weathering resistance to termite mound soil. <b>2020</b> , 7, 200485		4	
262	Experimental Study on MICP Technology for Strengthening Tail Sand under a Seepage Field. <b>2020</b> , 2020, 1-7		3	
261	Biogrouting Method for Stronger Bond Strength for Aggregates. <b>2020</b> , 146, 06020021		12	
260	Restraint of Particle Breakage by Biotreatment Method. <b>2020</b> , 146, 04020123		54	
259	Strength and Permeability of Bentonite-Assisted Biocemented Coarse Sand. <i>Canadian Geotechnical Journal</i> , <b>2020</b> ,	3.2	25	
258	Environmental Impact and Mechanical Improvement of MICP-treated Coal Fly Ash-Soil Mixture. <b>2020</b> , 1-11		0	
257	Cementation of Shale Soils by MICP Technology and Its Damage Characteristics Due to FreezeThaw Weathering Processes. <b>2020</b> , 34, 04020023		2	
256	Geomechanical Behavior of Bio-Cemented Sand for Foundation Works. 2020,		1	
255	Soil bio-cementation using an improved 2-step injection method. <b>2020</b> , 13, 1		6	

254	Earth stabilisation via carbonate precipitation by plant-derived urease for building applications. <b>2020</b> , 100230	5
253	Geo-Congress 2020. <b>2020</b> ,	1
252	Facilitation of microbially induced calcite precipitation with kaolinite nucleation. 2020, 1-7	4
251	Study on Strength and Leaching Behavior of Biogeochemical Cemented Sand. <b>2020</b> , 37, 670-681	7
250	Investigations on biosorption and biogenic calcite precipitation in sands. 2020, 37, 772	3
249	Analysis of liquefaction risk of sterile material in the inner dump of North Pesteana quarry in the conditions of flooding of the remaining gap. <b>2020</b> , 305, 00005	1
248	Application of microbially induced calcium carbonate precipitation with urea hydrolysis to improve the mechanical properties of soil. <b>2020</b> , 153, 105885	25
247	Geo-Congress 2020. <b>2020</b> ,	
246	Effect of carbonate precipitating bacteria on strength and hydraulic characteristics of loess soil. <b>2020</b> , 79, 4749-4763	13
245	Review on biopolymer-based soil treatment (BPST) technology in geotechnical engineering practices. <b>2020</b> , 24, 100385	42
244	Bio-precipitation of CaCO3for soil improvement: A Review. <b>2020</b> , 800, 012037	3
243	Chemically Induced Calcium Carbonate Precipitation for Improving Strength of Sand. <b>2020</b> , 32, 04020238	9
242	Strength-increase mechanism and microstructural characteristics of a biotreated geomaterial. <b>2020</b> , 14, 599-608	2
241	Microbial-induced carbonate precipitation for coastal erosion mitigation of sandy slopes. <b>2020</b> , 10, 211-215	12
240	Effect of microbially induced cementation on the instability and critical state behaviours of Fraser River sand. <i>Canadian Geotechnical Journal</i> , <b>2020</b> , 57, 1870-1880	11
239	Analysis of mechanical performance and durability of self-healing biological concrete. <b>2020</b> , 260, 119822	11
238	Microbial geo-technology in ground improvement techniques: a comprehensive review. <b>2020</b> , 5, 1	7
237	Confined and unconfined behavior of a silty sand improved by the enzymatic biocementation method. <b>2020</b> , 24, 100400	6

236 Microbiological Tools for Cultural Heritage Conservation. **2020**, 137-149

235 Microbial Biotechnology Approaches to Monuments of Cultural Heritage, 2020, 236 Review on geotechnical engineering properties of sands treated by microbially induced calcium 237 carbonate precipitation (MICP) and biopolymers, 2020, 246, 118415 238 Deptimization of Enzyme Induced Carbonate Precipitation (EICP) as a Ground Improvement 239 Technique, 2020, 230 Eliquefaction resistance of Fraser River sand improved by a microbially-induced cementation, 2020, 231 131, 105034 230 Engineering Properties of Biocementation Coarse- and Fine-Grained Sand Catalyzed By Bacterial 230 Cells and Bacterial Enzyme, 2020, 32, 04020030 230 Optimisation of microbially induced calcite precipitation protocol against erosion, 2020, 1-12 231 The Mechanical Properties of Fly-Ash-Stabilized Sands, 2020, 10, 132 232 Discrete element simulation of cavity expansion in lightly cemented sands considering cementation 230 About calcium carbonate precipitation on sand biocementation, 2020, 271, 105612 241 Microbiologically Induced Calcite Precipitation biocementation, green alternative for roads IIs this threakthrough? A critical review, 2020, 262, 121372 242 Microbiologically Induced Calcite Precipitation biocementation, green alternative for roads IIs this threakthrough? A critical review, 2020, 262, 121372 243 Enzyme-Induced Carbonate Precipitation: Scale-Up of Bio-Cemented Soil Columns, 2020, 244 Preview, 2020, 1-16 245 Enzyme-Induced Carbonate Precipitation: Scale-Up of Bio-Cemented Soil Columns, 2020, 246 Alaboratory Scale Imme management based on high-resolution soil pH, texture and SOM maps generated from proximal soil sensing data, 2021, 12, 493-523 247 Guidelines for precise lime management based on high-resolution soil pH, texture and SOM maps generated from proximal soil sensing data, 2021, 12, 467-480 248 With Microbes, 2021, 8, 162-185 249 With Microbes, 2021, 8, 162-185			
233 Carbonate precipitation (MICP) and biopolymers. 2020, 246, 118415  233 Optimization of Enzyme Induced Carbonate Precipitation (EICP) as a Ground Improvement Technique. 2020,  234 Biogrouting of Rock Joints. 2020,  235 Liquefaction resistance of Fraser River sand improved by a microbially-induced cementation. 2020, 18, 131, 106034  236 Engineering Properties of Biocementation Coarse- and Fine-Grained Sand Catalyzed By Bacterial Cells and Bacterial Enzyme. 2020, 32, 04020030  237 Optimisation of microbially induced calcite precipitation protocol against erosion. 2020, 1-12  238 The Mechanical Properties of Fly-Ash-Stabilized Sands. 2020, 10, 132  240 Discrete element simulation of cavity expansion in lightly cemented sands considering cementation degradation. 2020, 124, 103628  250 Discrete element simulation of savity expansion in lightly cemented sands considering cementation degradation. 2020, 124, 103628  251 Discrete element simulation of cavity expansion in lightly cemented sands considering cementation. 2020, 270, 105612  252 Microbiologically Induced Calcite Precipitation biocementation. 2020, 271, 105612  253 Microbiologically Induced Calcite Precipitation biocementation, green alternative for roads (is this the breakthrough? A critical review. 2020, 262, 121372  254 Optimizing protocols for microbial induced calcite precipitation (MICP) for soil improvemential review. 2020, 1-16  255 Enzyme-Induced Carbonate Precipitation: Scale-Up of Bio-Cemented Soil Columns. 2020, 4  267 Quidelines for precise lime management based on high-resolution soil pH, texture and SOM maps generated from proximal soil sensing data. 2021, 22, 493-523  268 A A Eaboratory-Scale Study on the Bio-cementation Potential of Distinct River Sediments Infused	235	Microbial Biotechnology Approaches to Monuments of Cultural Heritage. 2020,	8
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	220		35
	219		5

218	Microbial-induced synthesis of calcite based on carbon dioxide capture and its cementing mechanism. <b>2021</b> , 278, 123398	7
217	Effect of fiber reinforcement on the mechanical behavior of bio-cemented sand. <b>2021</b> , 28, 195-205	10
216	Review of current and future bio-based stabilisation products (enzymatic and polymeric) for road construction materials. <b>2021</b> , 27, 100458	11
215	Recent advances in slag-based binder and chemical activators derived from industrial by-products I A review. <b>2021</b> , 272, 121657	8
214	Interface Shear Behavior between MICP-Treated Calcareous Sand and Steel. <b>2021</b> , 33, 04020455	7
213	Compression behavior of MICP-treated sand with various gradations. <b>2021</b> , 16, 1391-1400	15
212	Enhancing the strength of granular material with a modified enzyme-induced carbonate precipitation (EICP) treatment solution. <b>2021</b> , 271, 121529	5
211	Stress-Dilatancy Behavior of MICP-Treated Sand. <b>2021</b> , 21, 04020264	17
<b>2</b> 10	Insight into the Properties of Surface Percolated Biocemented Sand. 2021, 38, 138-149	О
209	The Potential Use of Biopolymers as a Sustainable Alternative for Liquefaction Mitigation Review. <b>2021</b> , 25-34	3
208	Application of microbially induced calcite precipitation to prevent soil loss by rainfall: effect of particle size and organic matter content. <b>2021</b> , 21, 2744-2754	10
207	State of the Art Review of Emerging and Biogeotechnical Methods for Liquefaction Mitigation in Sands. <b>2021</b> , 25, 03120002	19
206	Investigation of the Microstructure of Brahmaputra Sand Treated with Bacillus megaterium-Mediated Single-Dosed Bio-Cementation. <b>2021</b> , 549-555	
205	Strength Improvement of Sand by State-of-the-Art Microbially Induced Carbonate Precipitation (MICP) Technique. <b>2021</b> , 395-407	
204	Homogeneity and mechanical behaviors of sands improved by a temperature-controlled one-phase MICP method. <b>2021</b> , 16, 1417-1427	10
203	Effectiveness of lowering saturation on residual shear strength of sand stabilized with fly-ash. 622, 012003	1
202	An Overview of Factors Influencing Microbially Induced Carbonate Precipitation for Its Field Implementation. <b>2021</b> , 73-99	1
201	Application of microbially induced carbonate precipitation to form bio-cemented artificial sandstone. <b>2021</b> ,	10

200	Effect of Hydrocarbon Contamination on Biostabilization of Soil Contaminated with Motor Oil and Gasoline. <b>2021</b> , 38, 467-481	Ο
199	Stressdilatancy behavior of cemented sand: comparison between bonding provided by cement and biocement. <b>2021</b> , 16, 1441-1456	1
198	Evaluation of Factors Affecting Erodibility Improvement for MICP-Treated Beach Sand. 2021, 147, 04021001	6
197	The role of bacterial urease activity on the uniformity of carbonate precipitation profiles of bio-treated coarse sand specimens. <b>2021</b> , 11, 6161	10
196	Experimental study on unconfined compressive and cyclic triaxial test behavior of agar biopolymer <b>E</b> reated silty sand. <b>2021</b> , 14, 1	6
195	Examining Energy Consumption and Carbon Emissions of Microbial Induced Carbonate Precipitation Using the Life Cycle Assessment Method. <b>2021</b> , 13, 4856	4
194	Effect of wetting and drying cycles on the durability of bio-cemented soil of expressway slope. 1	9
193	Kinetic biomineralization through microfluidic chip tests. <b>2021</b> , 16, 3229-3237	6
192	A review on qualitative interaction among the parameters affecting ureolytic microbial-induced calcite precipitation. <b>2021</b> , 80, 1	2
191	Biochar-assisted bio-cementation of a sand using native bacteria. <b>2021</b> , 80, 4967-4984	3
190	Effect of freeze-thaw cycles on engineering properties of biocemented sand under different treatment conditions. <b>2021</b> , 284, 106022	16
189	State-of-the-Art Review of the Applicability and Challenges of Microbial-Induced Calcite Precipitation (MICP) and Enzyme-Induced Calcite Precipitation (EICP) Techniques for Geotechnical and Geoenvironmental Applications. <b>2021</b> , 11, 370	16
188	Comparison of Microbially Induced Carbonate Precipitation with Ordinary Portland Cement Producing Macroporous Pervious Concrete. <b>2021</b> , 33, 04021070	2
187	Efficiency of microbially-induced calcite precipitation in natural clays for ground improvement. <b>2021</b> , 282, 122722	20
186	Bentonite-assisted microbial-induced carbonate precipitation for coarse soil improvement. <b>2021</b> , 80, 5623-5632	1
185	Studying the Relationship between Indigenous Microbial Communities, Urease Activity, and Calcite Precipitation in Artificial Mixes of Clay and Sand. <b>2021</b> ,	
184	Use of microbial carbonation process to enable self-carbonation of reactive MgO cement mixes. <b>2021</b> , 143, 106391	8
183	Improving settlement and reinforcement uniformity of marine clay in electro-osmotic consolidation using microbially induced carbonate precipitation. <b>2021</b> , 80, 6457-6471	4

182	Pullout behavior of geosynthetic reinforcement in biocemented soils. 2021, 49, 646-656	3
181	Geotechnical Engineering Properties of Soils Solidified by Microbially Induced CaCO3 Precipitation (MICP). <b>2021</b> , 2021, 1-21	O
180	Closure to <b>E</b> ngineering Properties of Biocementation Coarse- and Fine-Grained Sand Catalyzed by Bacterial Cells and Bacterial Enzymelby Tung Hoang, James Alleman, Bora Cetin, and Sun-Gyu Choi. <b>2021</b> , 33, 07021007	
179	Spatial Distribution of CaCO3 in Biocemented Sandy Slope Using Surface Percolation. <b>2021</b> , 33,	6
178	Study on the influencing factors and mechanism of calcium carbonate precipitation induced by urease bacteria. <b>2021</b> , 564, 126113	6
177	Durability analysis of bio-cemented slope soil under the exposure of acid rain. <b>2021</b> , 21, 2831-2844	8
176	Bio-cement production using microbially induced calcite precipitation (MICP) method: A review. <b>2021</b> , 238, 116610	13
175	Bio-mediated soil improvement: An introspection into processes, materials, characterization and applications.	7
174	Ground improvement using chemical methods: A review. <b>2021</b> , 7, e07678	2
173	Microbially induced calcite precipitation performance of multiple landfill indigenous bacteria compared to a commercially available bacteria in porous media. <b>2021</b> , 16, e0254676	2
172	Biocementation mediated by native microbes from Brahmaputra riverbank for mitigation of soil erodibility. <b>2021</b> , 11, 15250	6
171	Strength enhancement of lateritic soil through mechanical mixing with magnetite nanoparticles, starch solution, and calcite precipitating bacteria. <b>2021</b> , 14, 1	1
170	Tensile Strength of Artificially Cemented Sandstone Generated via Microbially Induced Carbonate Precipitation. <b>2021</b> , 14,	3
169	Dynamic Properties of Biopolymer-Treated Loose Silty Sand Evaluated by Cyclic Triaxial Test. <b>2022</b> , 50, 20210141	1
168	Bio-cementation improvement via CaCO3 cementation pattern and crystal polymorph: A review. <b>2021</b> , 297, 123478	2
167	Experimental and Analytical Study on Geomechanical Behavior of Biocemented Sand. <b>2021</b> , 21, 04021126	5
166	Bio-Cementation for Improving Soil Thermal Conductivity. <b>2021</b> , 13, 10238	2
165	Mechanism of Sand Cementation with an Efficient Method of Microbial-Induced Calcite Precipitation. <b>2021</b> , 14,	1

# (2021-2021)

164	Unconfined compressive strength of bio-cemented sand: state-of-the-art review and MEP-MC-based model development. <b>2021</b> , 315, 128205	3
163	Less is more: Optimising the biocementation of coastal sands by reducing influent urea through response surface method. <b>2021</b> , 315, 128208	2
162	Thermal Conductivity of Biocemented Graded Sands. <b>2021</b> , 147, 04021106	9
161	Recent development in biogeotechnology and its engineering applications. 1	2
160	Lateral Responses of a Model Pile in Biocemented Sand. <b>2021</b> , 21, 06021027	2
159	Tensile behavior of bio-cemented, fiber-reinforced calcareous sand from coastal zone. <b>2021</b> , 294, 106390	O
158	Application of microbial induced carbonate precipitation for loess surface erosion control. <b>2021</b> , 294, 106387	7
157	Bio-composites treatment for mitigation of current-induced riverbank soil erosion. <b>2021</b> , 800, 149513	6
156	Liquefaction Modeling for Biocemented Calcareous Sand. <b>2021</b> , 147, 04021149	8
155	Effects of environmental factors on soil bacterial community structure and diversity in different contaminated districts of Southwest China mine tailings. <b>2022</b> , 802, 149899	8
154	Study on Bio-cementation of Ex-coal Mining Soil as a Road Construction Material. 2021, 193-201	
153	Rock-like behavior of biocemented sand treated under non-sterile environment and various treatment conditions. <b>2021</b> , 13, 705-705	10
152	Evaluation of Hydraulic Conductivity of Lateritic Soil Treated with Bacillus Coagulans for Use in Waste Containment Applications. <b>2019</b> , 401-409	8
151	Evaluation of the Strength of Compacted Lateritic Soil Treated with Sporosarcina Pasteurii. <b>2019</b> , 419-428	8
150	Influence of Cementing Solution Concentration on Calcite Precipitation Pattern in Biocementation. <b>2020</b> , 737-746	2
149	Experimental investigation on the mechanical and hydraulic properties of urease stabilized fine sand for fully permeable pavement. <b>2020</b> ,	3
148	Comparative Evaluation of Strength of Compacted Lateritic Soil Improved with Microbial-Induced Calcite Precipitate. <b>2020</b> ,	1
147	Scour Mitigation and Erodibility Improvement Using Microbially Induced Carbonate Precipitation. <b>2021</b> , 44, 20190478	5

146	Guidance for Investigating Calcite Precipitation by Urea Hydrolysis for Geomaterials. 2018, 46, 20170122	13
145	The Influential Factors in the Effectiveness of Microbial Induced Carbonate Precipitation (MICP) for Soil Consolidation. <b>2020</b> , 6, 40-46	1
144	Bioprecipitation of calcium carbonate mediated by ureolysis: A review. <b>2021</b> , 26, 200379-0	10
143	Mechanical Behavior of Microbially Induced Calcite Precipitation Cemented Sand. 1	
142	Improvement of Strength Behaviour of Residual Soil via Enzymatically Induced Calcite Precipitation. <b>2021</b> , 7, 1	1
141	Mechanism of Bacterial Controlling of Gradient Mineralization at the Surface Layer of Cement-based Materials. 1-35	O
140	Present Status of Ground Improvement Technologies Using Microbial Functions . <b>2015</b> , 131, 155-163	2
139	Performance Studies of Microbial Induced Calcite Precipitation to Prevent the Erosion of Internally Unstable Granular Soils. <b>2019</b> , 37-49	O
138	Influence of Resting Periods on the Efficiency of Microbially Induced Calcite Precipitation (MICP) in Non-saturated Conditions. <b>2020</b> , 119-126	
137	Bio-treatment of Fly Ash. <b>2020</b> , 505-517	
136	Use of Microbially Induced Calcite Precipitation for Soil Improvement in Compacted Clays. <b>2021</b> , 7, 1	4
135		/
	Impacts of fungus-growing termites on surficial geology parameters: A review. <b>2021</b> , 223, 103862	1
134	Impacts of fungus-growing termites on surficial geology parameters: A review. <b>2021</b> , 223, 103862  Application of Enzyme-Induced Carbonate Precipitation (EICP) to Improve the Shear Strength of Different Type of Soils. <b>2021</b> , 617-632	1
134	Application of Enzyme-Induced Carbonate Precipitation (EICP) to Improve the Shear Strength of	
	Application of Enzyme-Induced Carbonate Precipitation (EICP) to Improve the Shear Strength of Different Type of Soils. <b>2021</b> , 617-632  Investigation on the Impact of Cementation Media Concentration on Properties of Biocement	1
133	Application of Enzyme-Induced Carbonate Precipitation (EICP) to Improve the Shear Strength of Different Type of Soils. <b>2021</b> , 617-632  Investigation on the Impact of Cementation Media Concentration on Properties of Biocement under Stimulation and Augmentation Approaches. <b>2022</b> , 26,	3
133	Application of Enzyme-Induced Carbonate Precipitation (EICP) to Improve the Shear Strength of Different Type of Soils. 2021, 617-632  Investigation on the Impact of Cementation Media Concentration on Properties of Biocement under Stimulation and Augmentation Approaches. 2022, 26,  Effect of nano-silica on microbiologically induced calcium carbonate precipitation. 2022, 314, 125661	1 3 3

128	Effect of Biologically Induced Cementation via Ureolysis in Stabilization of Silty Soil. 1-17	1
127	Improved phytoremediation of heavy metal contaminated soils by Miscanthus floridulus under a varied rhizosphere ecological characteristic. <b>2021</b> , 808, 151995	2
126	Landslide Mitigation through Biocementation.	
125	Optimization of mechanical strength of biocemented Martian regolith simulant soil columns. <b>2021</b> , 125741	O
124	Seed bio-priming with phosphate solubilizing bacteria strains to improve rice (Oryza sativa L. var. FARO 44) growth under ferruginous ultisol conditions.	
123	An Improved Soft Soil Reinforcement Method with Micp Based on Biochar Induced Nucleation Technology.	
122	Effect of TiO2-NPs on microbial-induced calcite carbonate precipitation. <b>2022</b> , 10, 107041	
121	Mechanical and Microstructural Changes of Biocemented Sand Subjected to an Acid Solution. <b>2022</b> , 22,	
120	Improving microbially induced calcium carbonate precipitation effects by nacre extractions. <b>2022</b> , 12, 1-7	О
119	Loose Sand Cemented by Microbial Cementitious Material: Composition, Microstructure and Mechanical Properties. <b>2021</b> , 36, 714-719	
118	Experimental study on factors affecting the efficiency of microbially induced carbonate precipitation in soil. <b>2022</b> ,	О
117	The mechanical properties improvement of environmentally friendly fly ash-based geopolymer mortar using bio-mineralization. <b>2022</b> , 332, 130020	1
116	Laboratory study on geotechnical characteristics of marine coral clay. <b>2022</b> , 29, 572	О
115	Controlling pore-scale processes to tame subsurface biomineralization <b>2022</b> , 21, 27-52	O
114	A Review on the Performance Evaluation of Autonomous Self-Healing Bacterial Concrete: Mechanisms, Strength, Durability, and Microstructural Properties. <b>2022</b> , 6, 23	2
113	Microbiological Processes in Improving the Behavior of Soils for Civil Engineering Applications: A Critical Appraisal. <b>2022</b> , 26,	1
112	Experimental study on the mechanical properties and consolidation mechanism of microbial grouted backfill. <b>2022</b> ,	0
111	Study of Solidification Technology of Marine Sludge by MICP Combined with Portland Cement. <b>2022</b> , 258-270	

110 Cementation of Sand by Microbial Induced Calcite Precipitation. 2022, 127-135

109	Multifactor optimization of MICP base on BP model. <b>2022</b> , 2200, 012003	
108	Denitrification-based MICP for cementation of soil: treatment process and mechanical performance. 1	1
107	Experimental Investigation on Bioremediation of Heavy Metal Contaminated Solution by Sporosarcina pasteurii under Some Complex Conditions. <b>2022</b> , 14, 595	O
106	Effect of Chemical Constituents on The Mechanical Strength of Microbially Induced Bio-cemented Soil. <b>2022</b> ,	
105	Bio-Cementation for Protection of Coastal Dunes: Physical Models and Element Tests. 2022,	O
104	Evaluating the application of carbonate precipitation driven by bacterial activity for stabilizing saline and alkaline clays. <b>2022</b> , 81, 1	1
103	Biochemical, Strength and Erosional Characteristics of Coral Sand Treated by Bio-Stimulated Microbial Induced Calcite Precipitation. 1	2
102	Effects of environmental temperature on the effectiveness of microbially induced carbonate precipitation.	
101	Multiple heavy metal immobilization and strength improvement of contaminated soil using bio-mediated calcite precipitation technique <b>2022</b> ,	2
100	Experimental Study on the Strength Characteristics of Expansive Soils Improved by the MICP Method. <b>2022</b> , 2022, 1-10	О
99	Improvement of Coral Sand With MICP Using Various Calcium Sources in Sea Water Environment. 10,	O
98	Compressibility Behavior of MICP-Treated Sand Treated under Unsaturated Conditions. 2022,	О
97	Coupling effect of biocementation-fiber reinforcement on mechanical behavior of calcareous sand for ocean engineering. <b>2022</b> , 81, 1	Ο
96	Mitigation of alkali-silica reaction by microbially induced CaCO3 protective layer on aggregates. <b>2022</b> , 328, 127065	0
95	Micro-feature-motivated numerical analysis of the coupled bio-chemo-hydro-mechanical behaviour in MICP. 1	Ο
94	Bio-Mediated Method for Immobilizing Copper Tailings Sand Contaminated with Multiple Heavy Metals. <b>2022</b> , 12, 522	2
93	Application of zeolite as a bacterial carrier in the self-healing of cement mortar cracks. <b>2022</b> , 331, 127324	О

92	Enhancing Soil Strength at Targeted Calcite Content via Optimizing Chemical Application Parameters Using Taguchi Method for Biocementation. <b>2022</b> , 148,		
91	Aggregate size distribution of arid and semiarid laboratory soils (<2 mm) as predicted by VIS-NIR-SWIR spectroscopy. <b>2022</b> , 416, 115819		O
90	Assessment of Microbial Induced Calcite Precipitation (MICP) in Fine Sand Using Native Microbes under Both Aerobic and Anaerobic Conditions. <b>2022</b> , 26, 1051-1065		
89	A Coupled Bio-Chemo-Hydro-Mechanical Model for Bio-cementation in Porous Media. <i>Canadian Geotechnical Journal</i> ,	3.2	
88	Microbial-Induced Carbonate Precipitation: A Review on Influencing Factors and Applications. <b>2021</b> , 2021, 1-16		1
87	The Effect of MICP on Physical and Mechanical Properties of Silt with Different Fine Particle Content and Pore Ratio. <b>2022</b> , 12, 139		1
86	Microstructural and Geomechanical Study on Microbial-Carbonized Sand Using Streptomyces Microflavus for Dust Control. <b>2022</b> , 10,		О
85	Biopolymer-biocement composite treatment for stabilisation of soil against both current and wave erosion. 1		2
84	Applications of BCCP technology on civil engineering [A review. 2022,		
83	Soil improvement by microbially induced calcite precipitation (MICP): a review about mineralization mechanism, factors, and soil properties. <b>2022</b> , 15,		2
82	Influence of Bacterial Suspension Type on the Strength of Biocemented Sand. <i>Canadian Geotechnical Journal</i> ,	3.2	1
81	Experimental Study on the Aeolian Sand Solidification via MICP Technique. <b>2022</b> , 2022, 1-11		Ο
80	Modelling Microbially Induced Carbonate Precipitation (MICP) in Microfluidic Porous Chips. <b>2022</b> , 2022, 1-8		O
79	Environmental Factors Affecting Feather Taphonomy. <b>2022</b> , 11, 703		O
78	Effects of Cement and Nanoclay on the Characteristics of the Sand with Non-Plastic Fine Materials.		O
77	Effects of Hydroxypropyl Methylcellulose (HPMC) on the Reinforcement of Sand by Microbial-Induced Calcium Carbonate Precipitation (MICP). <b>2022</b> , 12, 5360		1
76	Mechanical properties of biocement formed by microbially induced carbonate precipitation.		O
75	Construction of porous calcite structure using microbially induced calcite precipitation. <b>2022</b> , 110797		

74	Microbial Growth and Calcium Carbonate Nucleation Properties in Mineral Admixtures. 2022, 2022, 1-15	
73	Effect of microbial-induced calcite precipitation towards strength and permeability of peat. <b>2022</b> , 81,	
72	Application of Bio-Engineering for Marginal Soil Improvement: An Eco-Friendly Ground Improvement Technique.	
71	Comparative evaluation of freeze and thaw effect on strength of BEICP-stabilized silty sands and cement- and fly ash-stabilized soils.	О
70	Grain-Scale Tensile and Shear Strengths of Glass Beads Cemented by MICP. 2022, 148,	2
69	D.E.M. modeling of biocemented sand: Influence of the cohesive contact surface area distribution and the percentage of cohesive contacts. <b>2022</b> , 149, 104860	O
68	Casein-assisted enhancement of the compressive strength of biocemented sand. 2022, 12,	1
67	Microbial Induced Carbonate Precipitation: Environments, Applications, and Mechanisms. 1-19	1
66	Field Implementation of Microbially Induced Calcium Carbonate Precipitation for Surface Erosion Reduction of a Coastal Plain Sandy Slope. <b>2022</b> , 148,	1
65	Retention of soil organic matter by occlusion within soil minerals. <b>2022</b> , 21, 727-746	1
64	Effect of precipitation pattern of enzyme induced calcite on compressive strength of treated sand. 1-8	
63	3D Discrete Element Modeling of Sands Treated by Microbially Induced Calcium Carbonate Precipitation. <b>2023</b> , 546-553	
62	Experimental Study on the Preparation of a Highly Active Bacterial Suspension for MICP in the South China Sea. <b>2022</b> , 14, 9748	
61	Review of Strength Improvements of Biocemented Soils. <b>2022</b> , 22,	3
60	Muskeg Soil Stabilization Using the Microbially Induced Calcite Precipitation Technique by the Urease Active Bioslurry Approach. <b>2022</b> , 148,	0
59	Synergistic removal of phosphorus and fluorine impurities in phosphogypsum by enzyme-induced modified microbially induced carbonate precipitation method. <b>2022</b> , 324, 116300	O
58	Biocementation of Coral Sand Under Seawater Environment and an Improved Three-Stage Biogrouting Approach.	O
57	Microscopic investigation on bonding fracture of biocemented sand from novel in situ brazil splitting tests.	O

56	Shear behavior of bio-cemented calcareous sand treated through bio-stimulation under the direct shear condition. <b>2022</b> , 81,	Ο
55	Shear performance and reinforcement mechanism of MICP-treated single fractured sandstone. 10,	O
54	Stabilization of dredged sludge using bio-carbonation of reactive magnesia cement method.	0
53	Pilot-scale feasibility study for the stabilization of coal tailings via microbially induced calcite precipitation.	1
52	Unconfined compressive strength of MICP and EICP treated sands subjected to cycles of wetting-drying, freezing-thawing and elevated temperature: Experimental and EPR modelling. <b>2022</b> ,	0
51	Effect of sand particle size on interface shear behaviour between bio-cemented sand by MICP treatment and steel structure.	Ο
50	Splitting Tensile Strength of Fly Ash-Modified Sand at Various Saturations and Curing Times. <b>2022</b> , 7, 126	0
49	Optimizing compressive strength of sand treated with MICP using response surface methodology. <b>2022</b> , 4,	0
48	Mitigation of Karst Soil Erosion by Optimizing a Biostimulation Strategy to Induce Mineralization. <b>2023</b> , 51, 20220343	0
47	Recycling of dredged river silt reinforced by an eco-friendly technology as microbial induced calcium carbonate precipitation (MICP). <b>2022</b> , 62, 101216	2
46	Effect of Treatment Solution Chemistry and Soil Engineering Properties due to Microbially Induced Carbonate Precipitation Treatments on Vegetation Health and Growth.	0
45	Application of Microbial-Induced Calcium Carbonate Precipitation in Wave Erosion Protection of the Sandy Slope: An Experimental Study. <b>2022</b> , 14, 12965	O
44	Preliminary Study on Application and Limitation of Microbially Induced Carbonate Precipitation to Improve Unpaved Road in Lateritic Region. <b>2022</b> , 15, 7219	0
43	An experimental investigation of wind erosion resistance of desert sand cemented by soybean-urease induced carbonate precipitation. <b>2023</b> , 429, 116231	O
42	The global research trend on microbially induced carbonate precipitation during 2001 2021: a bibliometric review.	0
41	Effect of Fines Content in Silt-Sand Mixtures with Different Saturations on Microbial-Induced Calcium Carbonate Precipitation. 1-11	O
40	Effects of calcium sources and magnesium ions on the mechanical behavior of MICP-treated calcareous sand: experimental evidence and precipitated crystal insights.	1
39	Biocementation of coral sand under seawater environment and an improved three-stage biogrouting approach. <b>2023</b> , 362, 129758	O

38	Influence of injection methods on calcareous sand cementation by EICP technique. <b>2023</b> , 363, 129724	О
37	The Spatial Distribution of Microbially Induced Carbonate Precipitation in Sand Column with Different Grouting Strategies. <b>2023</b> , 35,	o
36	Effects of carbonate distribution pattern on the mechanical behaviour of bio-cemented sands: A DEM study. <b>2023</b> , 154, 105152	0
35	Microbially induced carbonate precipitation for improving the internal stability of silty sand slopes under seepage conditions.	o
34	Study on real-time water absorption characteristics of syntactic foams. <b>2022</b> , 29,	0
33	Microbially-Induced Calcium Carbonate Precipitation Test on Yellow Sandstone Based on LF-NMR Monitoring. <b>2022</b> , 19, 16860	0
32	Reinforcement of reclaimed sand by stimulating native microorganisms for biomineralization. 10,	0
31	A (Simplified) Biogeochemical Numerical Model to Predict Saturation, Porosity and Permeability During Microbially Induced Desaturation and Precipitation. <b>2023</b> , 59,	0
30	Seawater-based bio-cementation of natural sea sand via microbially induced carbonate precipitation. <b>2023</b> , 29, 103010	0
29	Fracture of Interparticle MICP Bonds under Compression. <b>2023</b> , 23,	o
28	Experimental Study on Cemented Tailings Backfill Based on Microbially Induced Calcite Precipitation. <b>2023</b> , 35,	0
27	Sustainability assessment, structural performance and challenges of self-healing bio-mineralized concrete: A systematic review for built environment applications. <b>2023</b> , 66, 105839	O
26	Reinforcement of Calcareous Sands by Stimulation of Native Microorganisms Induced Mineralization. <b>2023</b> , 16, 251	О
25	Comparison between MICP-Based Bio-Cementation Versus Traditional Portland Cementation for Oil-Contaminated Soil Stabilisation. <b>2023</b> , 15, 434	O
24	Experimental study of relationship between uniaxial compression strength and CaCO 3 bonding strength of a biogrouted rock-like material.	О
23	Stabilization of collapsible soils with nanomaterials, fibers, polymers, industrial waste, and microbes: Current trends. <b>2023</b> , 368, 130463	O
22	Coupling effect of fiber reinforcement and MICP stabilization on the tensile behavior of calcareous sand. <b>2023</b> , 317, 107090	O
21	A novel strategy for reinforcing cementation process coupling microbially induced carbonate precipitation (MICP) with cross-linked silk fibroin. <b>2023</b> , 11, 109871	0

20	Effect of MICP-recycled shredded coconut coir (RSC) reinforcement on the mechanical behavior of calcareous sand for coastal engineering. <b>2023</b> , 135, 103564	О
19	The experimental investigation of seepage control in different sand soils using photopolymerization.	O
18	An assumption of in situ resource utilization for Bio-bricks In space exploration. 10,	0
17	Coupled Effect of Cementation Solution, Curing Period, Molding Water Content, and Compactive Effort on Strength Performance of Biotreated Lateritic Soil for Municipal Solid Waste Containment Application. <b>2023</b> , 27,	О
16	Mechanical Behavior and Biogeochemical Reactions of a Fine-Grained Soil Treated by Microbially Induced Carbonate Precipitation. <b>2023</b> , 35,	O
15	A discrete element simulation considering calcite crystal shape to investigate the mechanical behaviors of bio-cemented sands. <b>2023</b> , 368, 130398	O
14	Assessment of strength and low-strain shear modulus of bio-cemented sand considering MICP treatment. <b>2023</b> , 82,	О
13	A Systematic Study on the Influence of Grain Characteristics on Hydraulic and Mechanical Performance of MICP-Treated Porous Media. <b>2023</b> , 147, 305-330	О
12	State-of-the-Art Review of Utilization of Microbial-Induced Calcite Precipitation for Improving Moisture-Dependent Properties of Unsaturated Soils. <b>2023</b> , 13, 2502	2
11	Microbially induced carbonate precipitation (MICP) for soil strengthening: A comprehensive review. <b>2023</b> , 1, 100002	o
10	Effect of Treatment Strategies for MICP-Based Soil Improvement Using Urease-Producing Bacteria. <b>2023</b> ,	О
9	Performance of MICP-Treated Soil against Environmental Deterioration. 2023,	O
8	A Constitutive Model to Simulate Cementation Effects in Sands. 2023,	О
7	Applications of microbial-induced carbonate precipitation: A state-of-the-art review. <b>2023</b> , 1, 100008	О
6	The Undrained Shear Behavior of Clean Coral Silt and Coral Silt-Sand Mixtures. 2023, 51, 20220522	О
5	Small strain stiffness of graded sands with light biocementation.	O
4	Efficient bio-cementation between silicate tailings and biogenic calcium carbonate: Nano-scale structure and mechanism of the interface. <b>2023</b> , 121665	0
3	A review of the use of bio-based substances in soil stabilization.	О

A multi-method approach for the investigation of termite mound structures (Kalahari Basin, Botswana). **2023**, 228, 107158

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The hydro-mechanical characteristics and micro-structure of loess enhanced by microbially induced carbonate precipitation. **2023**, 100469

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