



Mohammed Yousif Fattah

محمد يوسف فتاح محمد أمين

Professor

ACADEMIC TITLES

2010-12-22 Professor

ADMINISTRATIVE POSITIONS

2006-09-01 - 2014-02-01 Head of Branch
2016-07-01 - 2021-02-01 Head of Branch
2021-04-01 - Present Deputy Head of Department

PUBLICATIONS (6 0 3)

1. **Strengthening the Properties of Clay Soil With Crushed Oysters**
HBRC Journal 22 (1), 52, 2026 | 2026
2. **Static and Dynamic Performance of Base Course Treated with Industrial Byproducts**
International Journal of Pavement Research and Technology, 1-27, 2026 | 2026
3. **Influence of depth factor on bearing capacity of shallow footing on expansive clay reinforced with geotextile**
International Journal of Geotechnical Engineering, 1-23, 2026 | 2026
4. **Load-bearing capacity of open-ended pipe piles with interior wings in sand**
Ships and Offshore Structures 21 (5), 667-676, 2026 | 2026 | Cited: 1
5. **Mitigating infrastructure risks in gypseous soils: combining random forest modeling with monte carlo simulation**
Discover Civil Engineering 3 (1), 42, 2026 | 2026
6. **Effect of Electrokinetic Treatment on the Geotechnical Properties of Organic Soils**
Transportation Infrastructure Geotechnology 13 (3), 46, 2026 | 2026
7. **Application of Nano-Titanium Dioxide to Collapsible Gypseous Soils for Stabilization**
Journal of Engineering and Sustainable Development 30 (2), 144-158, 2026 | 2026
8. **Performance Evaluation of Hot-Climate Asphalt Binders Modified with Different Nano Materials**
Results in Materials, 100920, 2026 | 2026 | Cited: 1
9. **Exploring the Interplay of Plastic Hinge Behavior and Soil-Structure Interaction in Frame Structures: Analytical Study**
Engineering and Technology Journal 44 (5), 21-44, 2026 | 2026
10. **A Study on Piled Raft System in Collapsible Clayey Gypseous Soil**
Results in Engineering, 110175, 2026 | 2026
11. **A consolidated undrained triaxial study: enhancing the shear strength of gypseous sandy soils using nano titanium dioxide**
Modeling Earth Systems and Environment 12 (2), 127, 2026 | 2026 | Cited: 1
12. **Effects of Types and Amount of Organic Matter on the Engineering Properties of Soil**
Engineering and Technology Journal 44 (5), 98-114, 2026 | 2026
13. **Improving the buckling capacity of the FRP-reinforced steel pipes under combined load of external pressure and torsion**
Mechanics of Advanced Materials and Structures 33 (1), 2653203, 2026 | 2026

CONTACT

Phone: 07901678315
Email: 40011@uotechnology.edu.iq
40011@uotechnology.edu.iq

RESEARCH METRICS

h-index (Scopus) 34
h-index (GS) 42
Citations (Scopus) 4396
Citations (GS) 7432
Documents (Scopus) 323
Documents (GS) 579

AWARDS

• Arab Creative Award (Technical Creative) 2016 - The Arab Thought Foundation Organization.



14. **Shake Table Study of Plastic Hinge Placement Effects in 3-Story Scaled Steel Frames with Soil–Structure Interaction**
IOP Conference Series: Earth and Environmental Science 1644 (1), 012037, 2026 | 2026
15. **Expansive soil stabilized by using poly acrylamide geopolymer**
Arabian Journal of Geosciences 19 (2), 23, 2026 | 2026 | Cited: 1
16. **SUSTAINABILITY AND DURABILITY OF BIO-ENZYMATIC STABILIZATION TECHNIQUES FOR COLLAPSIBLE GYPSEOUS SOILS: A REVIEW**
Jurnal Pensil: Pendidikan Teknik Sipil 15 (1), 78-88, 2026 | 2026
17. **Experimental Assessment of Geocell-Reinforced Sandy Subgrades Under Traffic-Induced Dynamic Loading**
Infrastructures 11 (2), 38, 2026 | 2026
18. **Effect of Pectin Activated by LABSA on Clay Soil Properties**
Civil Engineering Infrastructures Journal, 2026 | 2026
19. **Impacts of structural and soil parameters on the seismic response of neighbouring buildings: a numerical investigation**
Scientific Reports | 2026
20. **Identifying suitable land for dust storm barriers in Al-Anbar region using GIS**
Journal of Degraded and Mining Lands Management 13 (2), 10127-10140, 2026 | 2026
21. **Torque-Based Evaluation and Predictive Modeling of Asphalt Mixture Workability Using a High-Capacity Mixing Device**
Infrastructures 11 (6), 194, 2026 | 2026
22. **Probabilistic Reliability Framework for Nanomaterial-Stabilized Soft Clays: Model Calibration and Geometry Effects**
Civil Engineering Journal 11 (12), 2025 | 2025 | Cited: 4
23. **Physical, Chemical, and Mechanical Characterization of Coated Date Palm Leaf Fiber from the Middle Region of Iraq for Potential in Civil Engineering Application**
Jurnal Kejuruteraan (Journal of Engineering) | 2025
24. **Nanomaterial-Enhanced Stabilization of Soft Clayey Soils: Optimal Content, Mechanical Performance, and Practical Frameworks**
International Journal of Basic and Applied Sciences | 2025 | Cited: 2
25. **Dynamic Response of Framed Foundation Resting on Soil Modelled Using Different Approaches**
Springer Proceedings in Earth and Environmental Sciences | 2025
26. **Assessment of Asphalt Mixtures Enhanced with Styrene-Butadiene-Styrene and Polyvinyl Chloride Through Rheological, Physical, Microscopic, and Workability Analyses**
Journal of Composites Science | 2025 | Cited: 5
27. **Effect of Calcium Carbide and Sulfonic Acid Dilution Geopolymer on Collapse Potential of Collapsible Gypseous Soil**
Russian Journal of Applied Chemistry 98 (11), 576-586, 2025 | 2025
28. **Leaching-Permeability Behavior of Collapsible Gypseous Soils Treated with Nano-Titanium Dioxide**
Civil Engineering Journal 11 (10), 2025 | 2025
29. **Collapse and Volume Change of Unsaturated Gypseous Soil: A Model Study**
Geotechnical and Geological Engineering 43 (1), 13, 2025 | 2025 | Cited: 6
30. **Unveiling the Tapestry of Change: A Comprehensive Review on the Aging Processes of Sanitary Landfills**
International Conference on Geotechnical Engineering Iraq, 476-486, 2025 | 2025
31. **Finite Element Analysis of Skirted Strip Footing Resting on Cohesive Slopes**
Journal of Engineering and Sustainable Development 29 (1), 47-56, 2025 | 2025 | Cited: 3
32. **Mathematical Modeling and Analysis of Stress Transfer Mechanisms in Stone Column-Supported Foundations under Seismic Loading**
Appl. Math 19 (3), 595-603, 2025 | 2025

33. **Redefining Soil Stabilization Strategies: A Stochastic Exploration of Nano-Modified Clays in Foundation Engineering**
Appl. Math 19 (6), 1319-1333, 2025 | 2025
34. **Analysis of pile shaft resistance embedded in unsaturated clayey soils**
Geomechanics and Geoengineering, 1-21, 2025 | 2025
35. **Effect of Grouting of Floating Sand Columns in Soft Clay Soils Replaced Partially by Geogrid Reinforced Sand**
Transportation Infrastructure Geotechnology 12 (2), 86, 2025 | 2025
36. **Mechanical Properties of Sustainable Base Course Binder Incorporating GGBFS and Spent FCC Catalyst**
Civil Engineering Journal 11 (03), 2025 | 2025 | Cited: 6
37. **Evaluation of moisture damage for warm mix asphalt (WMA) containing reclaimed asphalt pavement (RAP)**
Open Engineering 15 (1), 20240071, 2025 | 2025
38. **Analysis of flood risk for successive dam systems due to piping failure**
AIP Conference Proceedings 3211 (1), 080025, 2025 | 2025
39. **Calibration of the SPAW model for estimating plant available water in the Kurdistan region of Iraq**
Passer Journal of Basic and Applied Sciences 7 (1), 318-324, 2025 | 2025
40. **REDUCTION OF UNDER-ROAD PAVEMENT SINKHOLE HAZARDS BY SOIL IMPROVEMENT**
GEOMATE Journal 29 (131), 76-83, 2025 | 2025 | Cited: 2
41. **Recycling water treatment sludge for applications enhancing landfill liner performance**
Journal of Material Cycles and Waste Management 27 (5), 3691-3710, 2025 | 2025 | Cited: 1
42. **Distribution of contact pressure under rectangular shallow foundation subjected to different vibration modes**
Earthquakes and Structures 29 (3), 217, 2025 | 2025 | Cited: 1
43. **Effects of Carbon Nanotubes on Asphalt Binder Rheology and Wearing Course Mixes**
Civil Engineering Journal 11 (09), 2025 | 2025 | Cited: 3
44. **Stress Transfer from Square Footing Model to Saturated and Unsaturated Soil**
Journal of Geotechnical Engineering and Infrastructures 1 (1), 28-35, 2025 | 2025
45. **Advanced Techniques for Capturing Cracks in Clayey Soils: A Comprehensive Review**
Engineering, Technology & Applied Science Research 15 (5), 27333-27343, 2025 | 2025
46. **The Effect of Water Tank Load Position on the Seismic Response of Pile-Supported Concrete High-Rise Buildings**
Engineering, Technology & Applied Science Research 15 (5), 26576-26586, 2025 | 2025 | Cited: 1
47. **Experimental Study on the Behavior of Circular Footing on Gasoline Contaminated Sand**
Petroleum Chemistry, 1-8, 2025 | 2025
48. **Interpretable machine learning for predicting pile capacity ratio: a case study of concrete piles in Iraq**
Innovative Infrastructure Solutions 10 (12), 551, 2025 | 2025 | Cited: 2
49. **Strength and Compressibility of HCl Contaminated Clayey Soil**
Water, Air, & Soil Pollution 236 (2), 125, 2025 | 2025 | Cited: 3
50. **Monitoring Flood Waves Due to Overtopping: Case Study of Mosul Dam from Iraq**
Journal of Engineering, Science and Technological Trends 2 (1), 2025 | 2025 | Cited: 1
51. **Predicting Collapse Potential in Gypseous Soils: A Hybrid Approach Combining Random Forest Modeling and Uncertainty Quantification**
Journal of GeoEngineering | 2025
52. **Comparative Analysis of Soft Clay Improvement Using Ordinary and Grouted Sand Columns with Geosynthetic Reinforcement**
Infrastructures 10 (3), 62, 2025 | 2025 | Cited: 2
53. **Evaluating the environmental impact of stone columns on clay barrier liners in landfills**
Environmental Monitoring and Assessment 197 (5), 518, 2025 | 2025 | Cited: 2
54. **Effects of Cement Treatment on the Behavior of Unsaturated Gypseous Soils**
Transportation Infrastructure Geotechnology 12 (5), 140, 2025 | 2025 | Cited: 1

55. **Desiccation crack and volumetric shrinkage of magnesium oxide-treated compacted soil liner in landfill**
Environmental Earth Sciences 84 (12), 319, 2025 | 2025 | Cited: 3
56. **Strength and Compressibility Characteristics of Clay Treated by Pectin Biopolymer**
Transportation Infrastructure Geotechnology 12 (5), 158, 2025 | 2025 | Cited: 4
57. **Enhancement of Properties of Soft Clay via Enzymatically Induced Calcite Precipitation**
Progress in Engineering Science, 100110, 2025 | 2025 | Cited: 3
58. **Predicting the factor of safety in embankments improved by geogrid-encased stone columns using various neural network architectures**
Modeling Earth Systems and Environment 11 (6), 438, 2025 | 2025 | Cited: 3
59. **EXAMINING THE SWELLING POTENTIAL OF EXPANSIVE SOIL CONTAINING WASTE PAPER ASH**
GEOMATE Journal 28 (126), 43-51, 2025 | 2025 | Cited: 2
60. **Assessment of Geotechnical Behavior of Gypseous Soil under Leaching Effect using Machine Learning**
Franklin Open, 100297, 2025 | 2025 | Cited: 5
61. **Lysimeter experiments of landfill liner enhanced with magnesium oxide**
Results in Engineering 25, 104305, 2025 | 2025 | Cited: 3
62. **Investigating the influence of sample size on measurement of collapse of gypseous soil**
Journal of Engineering Research 13 (2), 1515-1525, 2025 | 2025 | Cited: 5
63. **Behavior of bentonite-sand mixture soil subjected to history load**
International Journal of Engineering 38, 558-569, 2025 | 2025 | Cited: 5
64. **Enhanced Load-Settlement Curve Forecasts for Open-Ended Pipe Piles Incorporating Soil Plug Constraints Using Shallow and Deep Neural Networks**
China Ocean Engineering 39 (3), 562-572, 2025 | 2025 | Cited: 9
65. **Effect of frame foundation geometry on the dynamic response of high-speed turbo machine foundations**
Heliyon 11 (1), 2025 | 2025 | Cited: 12
66. **Comparison of hot and warm asphalt mixture workability with different types of filler**
Road Materials and Pavement Design | 2025 | Cited: 3
67. **Experimental and numerical settlement analysis of railway track over geogrid reinforced ballast**
Railway Sciences 3 (3), 311-331, 2024 | 2024 | Cited: 4
68. **Enhancement of expansive soil properties by water treatment sludge ash in landfill liners**
Civil Engineering Journal (Iran) 10 (11), 3508-3530, 2024 | 2024 | Cited: 13
69. **Assessment of creep improvement of organic soil improved by stone columns**
Geomechanics and Engineering 38 (2), 191, 2024 | 2024 | Cited: 4
70. **Assessment of two nearby interfering strip footings of different embedment depths in saturated cohesive soils**
Magazine of Civil Engineering 17 (5), 12906, 2024 | 2024 | Cited: 7
71. **Geotechnical characteristics of saline soft soils improved by chemical agents**
Magazine of Civil Engineering 17 (7), 13105, 2024 | 2024 | Cited: 1
72. **Warm mix asphalt (WMA) Techniques: Advantages and disadvantages - A review**
Aip Conference Proceedings | 2024 | Cited: 10
73. **Preface: International Conferences of Buildings, Construction, and Environmental Engineering (BCEE)**
AIP Conference Proceedings 3219 (1), 010001, 2024 | 2024
74. **A review of landfill liner and liner systems**
AIP Conference Proceedings 3105 (1), 050013, 2024 | 2024 | Cited: 7
75. **Bearing capacity of a footing on an expansive unsaturated bentonite–sand mixture**
Geotechnical and Geological Engineering 42 (3), 1761-1777, 2024 | 2024 | Cited: 10
76. **Protection of buried pipeline using geosynthetics—a review**
Geomechanics and Geoengineering 19 (4), 503-518, 2024 | 2024 | Cited: 9

77. **Investigation of solid waste generation rate and biogas production**
Results in Engineering 23, 102531, 2024 | 2024 | Cited: 15
78. **EVALUATION OF THE PERFORMANCE OF SUSTAINABLE MODIFIED POLYMER CONCRETE MADE FROM VARIOUS WASTE MATERIALS**
GEOMATE Journal 27 (121), 21-32, 2024 | 2024 | Cited: 9
79. **Clay barriers performance in landfills: A review**
Eng. Technol. J 42 (11), 1327-1342, 2024 | 2024 | Cited: 9
80. **Behavior of soil reinforced with micropiles**
Open Engineering 14 (1), 20220563, 2024 | 2024 | Cited: 8
81. **Effect of Pile Configuration on the Behavior of Piled-Raft Foundations in Sandy Soil**
Journal of Testing and Evaluation 52 (1), 2024 | 2024 | Cited: 7
82. **Studying the Behavior of Expansive Soil Reinforced by Micropiles**
Civil Engineering Journal 10 (1), 265-279, 2024 | 2024 | Cited: 13
83. **Effects of Cement Treatment on Water Retention Behavior and Collapse Potential of Gypseous Soils: Experimental Investigation and Prediction Models**
Advances in Civil Engineering 2024, 2024 | 2024 | Cited: 11
84. **MAGAZINE OF CIVIL ENGINEERING**
MAGAZINE OF CIVIL ENGINEERING Учредители: Санкт-Петербургский..., 2024 | 2024
85. **The effect of using soil-filled post-consumer plastic bottles on soil response above buried pipes**
AIP Conference Proceedings 3091 (1), 020029, 2024 | 2024
86. **Gyratory compaction characteristics of asphalt mixtures using different filler materials**
AIP Conference Proceedings 3105 (1), 050073, 2024 | 2024 | Cited: 2
87. **Enhanced biogas production from municipal solid waste via digestion with cow manure: A case study**
Open Engineering 14 (1), 20240011, 2024 | 2024 | Cited: 6
88. **Treatment the leachate of a landfill using physical and biological processes**
AIP Conference Proceedings 2864 (1), 2024 | 2024 | Cited: 6
89. **Dimensionless interaction diagrams for reinforced concrete columns strengthened with steel angles and strips**
AIP Conference Proceedings 2864 (1), 2024 | 2024 | Cited: 2
90. **Case Study for Adopting a Sustainable Kindergarten Design in Baghdad to Improve Thermal Comfort**
International Journal of Sustainable Development and Planning | 2024 | Cited: 2
91. **Leaching-induced alterations in the geotechnical and microstructural attributes of clayey gypseous soils**
Ain Shams Engineering Journal 15 (7), 102865, 2024 | 2024 | Cited: 10
92. **Estimation of the settlement of pile head using ANN and multivariate linear regression based on the results of load transfer method**
Open Engineering 14 (1), 20240026, 2024 | 2024 | Cited: 2
93. **Variation of Shear Strength of Cohesive Soils Subjected to Cyclic Loading at Different Rates of Loading**
Journal of Civil Engineering and Construction 13 (3), 134-145, 2024 | 2024
94. **Strength and Durability Characteristics of Sustainable Pavement Base Course Stabilized with Cement Bypass Dust and Spent Fluid Catalytic Cracking Catalyst**
Infrastructures 9 (12), 217, 2024 | 2024 | Cited: 9
95. **Enhanced biogas production from municipal solid waste <i>via</i> digestion with cow manure: A case study**
Open Engineering | 2024
96. **Three-dimensional analysis of steel beam-column bolted connections**
Open Engineering 14 (1), 20220579, 2024 | 2024 | Cited: 11
97. **Experimental investigation on the damping characteristics in dry and saturated sands**
Mechanics Based Design of Structures and Machines 52 (1), 169-194, 2024 | 2024 | Cited: 7

98. **Collapsible gypseous soil stabilization by calcium carbide residue and sulfonic acid**
Sustainability 16 (22), 9974, 2024 | 2024 | Cited: 6
99. **Coupled Finite Element and Artificial Neural Network Analysis of Interfering Strip Footings in Saturated Cohesive Soils**
Transportation Infrastructure Geotechnology, 1-18, 2024 | 2024 | Cited: 40
100. **Performance of treated date palm leaf fiber as a sustainable reinforcement for different soil**
Civil Eng J 10 (10), 2024 | 2024 | Cited: 5
101. **Load-bearing capacity of open-ended pipe piles with interior wings in sand**
Ships and Offshore Structures | 2024
102. **Effect of degree of saturation on stresses and pore water pressure in the subgrade layer caused by railway track loading**
Railway Sciences 3 (4), 413-436, 2024 | 2024 | Cited: 5
103. **Utilization of magnesium oxide to enhance geotechnical – Environmental properties for clay soil contaminated with heavy metals**
Progress in Engineering Science | 2024 | Cited: 5
104. **Effect of structure height on seismic response of adjacent structures considering soil-structure interaction**
Engineering and Technology Journal 42 (5), 485-492, 2024 | 2024 | Cited: 7
105. **Ko consolidation test on organic soils reinforced with stone column**
AIP Conference Proceedings 3105 (1), 050075, 2024 | 2024
106. **3D numerical response of different pipe pile under combined loadings condition embedded in loose sand**
International Journal of Geotechnical Engineering 18 (7-10), 702-718, 2024 | 2024 | Cited: 8
107. **Review of Natural Fiber Application for Sustainable Ground Improvement**
Lecture Notes in Civil Engineering | 2024
108. **Biogas production from anaerobic co-digestion by using different inoculums**
AIP Conference Proceedings 3105 (1), 040006, 2024 | 2024
109. **Performance evaluation of grouted porous asphalt concrete**
Open Engineering 14 (1), 20220556, 2024 | 2024 | Cited: 3
110. **Investigating seismic response in adjacent structures: A study on the impact of buildings' orientation and distance considering soil–structure interaction**
Open Engineering 14 (1), 20220582, 2024 | 2024 | Cited: 5
111. **Load sharing in unconnected piled rafts of different spacings in clayey soils**
Appl. Math 18 (6), 1401-1416, 2024 | 2024 | Cited: 2
112. **Investigating seismic behavior in adjacent structures: A study on the impact of structures embedment level and existence of dead loads considering soil-structure interaction**
Results in Engineering, 102023, 2024 | 2024 | Cited: 16
113. **Current Trends in Civil Engineering and Engineering Sciences 2024, Vol 1: Proceedings of 4ICGE-Iraq 2024, Vol 1**
Springer Nature, 2024 | 2024
114. **Stresses in Saturated and Unsaturated Subgrade Layer Induced by Railway Track Vibration**
Infrastructures 9 (4), 64, 2024 | 2024 | Cited: 4
115. **Experimental investigation of dynamic soil properties for modeling energy-absorbing layers**
Open Engineering 14 (1), 20220557, 2024 | 2024 | Cited: 4
116. **Evaluating hot mix asphalt for different recycled asphalt pavement contents and filler kinds utilizing marshall characteristics and moisture damage**
Engineering and Technology Journal, 1-19, 2024 | 2024 | Cited: 4
117. **Utilizing seismic techniques and dynamic field tests for soil dynamic response prediction in clay soils**
Magazine of Civil Engineering 17 (1), 2024 | 2024 | Cited: 2
118. **Seismic performance of 8-Class Masonry School Building in Baghdad**
disasters 3, 4, 2024 | 2024

119. **Enhancing building sustainability through aerodynamic shading devices: an integrated design methodology using finite element analysis and optimized neural networks**
Asian Journal of Civil Engineering 25 (5), 4281-4294, 2024 | 2024 | Cited: 36
120. **Effect of leachate contamination in municipal solid waste on clay liner characteristics**
Journal of Engineering Research 12 (2), 34-43, 2024 | 2024 | Cited: 21
121. **Improvement of clayey soil characteristics using poly acrylamide geopolymer**
Transportation Infrastructure Geotechnology 11 (4), 1673-1690, 2024 | 2024 | Cited: 19
122. **Load sharing between shaft and tip of pile group in saturated and unsaturated soil**
Transportation Infrastructure Geotechnology 11 (4), 2117-2147, 2024 | 2024 | Cited: 16
123. **A numerical study on the behavior of stone columns with different area ratios in soft clays**
GEOMATE Journal 26 (117), 43-51, 2024 | 2024 | Cited: 5
124. **Effect of scale factor on the dynamic response of frame foundations**
Open Engineering 14 (1), 20240065, 2024 | 2024 | Cited: 2
125. **Studying the lateral displacement of retaining wall supporting sandy soil under dynamic loads**
Open Engineering 14 (1), 20220553, 2024 | 2024 | Cited: 4
126. **Prediction of Damping Ratio and Shear Modulus of Saturated Clay Soil under Rotating Machine**
Appl. Math 18 (3), 585-594, 2024 | 2024
127. **Journal of Nuts**
Journal of Nuts 14 (3), 211-227, 2023 | 2023 | Cited: 2
128. **Phenylalanine and Calcium Nitrate Alleviate Cold Tolerance of Pistacia vera L. Seedlings**
Journal of Nuts 14 (3), 211-227, 2023 | 2023
129. **Finite Element Analysis of Two Nearby Interfering Strip Footings Embedded in Saturated Cohesive Soils**
Civil Engineering Journal 9 (3), 752-769, 2023 | 2023 | Cited: 19
130. **Modelling Flood Wave Propagation as a Result of Dam Piping Failure Using 2D-HEC-RAS**
Civil Engineering Journal 9 (10), 2503-2515, 2023 | 2023 | Cited: 24
131. **A review study on seismic behavior of individual and adjacent structures considering the soil – Structure interaction**
Structures | 2023 | Cited: 46
132. **Biogas production from anaerobic digestion: A review**
Aip Conference Proceedings | 2023
133. **Evaluation of the Collapse Potential Magnitude of Untreated and Treated Collapsible Gypseous Soil — A New Procedure**
Ksce Journal of Civil Engineering | 2023 | Cited: 11
134. **Bearing Capacity of a Footing on an Expansive Unsaturated Bentonite-Sand Mixture**
Geotechnical and Geological Engineering | 2023
135. **Expansive Soil Stabilization with Lime, Cement, and Silica Fume**
Applied Sciences Switzerland | 2023 | Cited: 114
136. **Minimizing the environmental impacts of traffic in AlMada'an city using rerouting technique**
Iop Conference Series Earth and Environmental Science | 2023
137. **Laboratory study on soil properties of natural Iraqi clay**
Smart Geotechnics for Smart Societies, 2271-2279, 2023 | 2023 | Cited: 5
138. **Compressibility characteristics of collapsible gypseous soil: A review**
IOP Conference Series: Earth and Environmental Science 1205 (1), 012068, 2023 | 2023 | Cited: 6
139. **Minimizing the environmental impacts of traffic in Al-Mada'an city using rerouting technique**
IOP Conference Series: Earth and Environmental Science 1129 (1), 012039, 2023 | 2023 | Cited: 2
140. **A Comprehensive Review of New Trends in the Use of Geosynthetics Clay Liner GCLs in Landfill**
International Journal of Intelligent Systems and Applications in Engineering & nbsp;..., 2023 | 2023 | Cited: 9
141. **Estimation of uniaxial compressive and indirect tensile strengths of intact rock from Schmidt hammer rebound number**
Journal of the Mechanical Behavior of Materials 32 (1), 20220255, 2023 | 2023 | Cited: 12

142. **Parametric study of unconnected piled rafts in clayey soil using finite element method**
Innovative Infrastructure Solutions 8 (1), 16, 2023 | 2023 | Cited: 14
143. **Impact of Dam Materials and Hydraulic Properties on Developing the Breaching Dimensions**
Engineering and Technology Journal 41 (05), 716-723, 2023 | 2023 | Cited: 8
144. **Effects of Reclaimed Asphalt Pavement on Mechanical Characteristics of Asphaltic Mixtures for Surface Layer**
E3S Web of Conferences 427, 03028, 2023 | 2023 | Cited: 4
145. **Some strategies for reducing and/or removing heavy metals from contaminated soil: A review**
AIP Conference Proceedings 2775 (1), 2023 | 2023 | Cited: 2
146. **2271 Laboratory study on soil properties of natural Iraqi clay**
Smart Geotechnics for Smart Societies, 2271-2279, 2023 | 2023
147. **Finite element analysis of asphalt concrete pavement under combined effect of repeated loading and temperature**
AIP Conference Proceedings 2806 (1), 2023 | 2023 | Cited: 1
148. **Experimental Investigation of the Performance of Buried Flexible Pipe in Reinforced Sand**
Slovak Journal of Civil Engineering 31 (2), 48-60, 2023 | 2023 | Cited: 7
149. **ASSESSMENT OF SHEAR STRENGTH PARAMETERS OF SEDIMENTARY INTACT ROCK SPECIMENS AS A FUNCTION OF DEGREE OF SATURATION**
GEOMATE Journal 25 (107), 68-76, 2023 | 2023 | Cited: 5
150. **Measurement of Shear Strength of Unsaturated Gypseous Soil with Different Degrees of Saturation by Triaxial Test**
2023 | Cited: 2
151. **Performance enhancement of road base material using calcium carbide residue and sulfonic acid dilution as a geopolymer stabilizer**
Construction and Building Materials 364, 129959, 2023 | 2023 | Cited: 32
152. **Strength properties of polymer reactive powder concrete with waste materials**
Civil Engineering Journal 9 (8), 1936-1956, 2023 | 2023 | Cited: 11
153. **Evaluation of Modified Asphalt Binder and Mixtures with Polyphosphoric Acid**
Al-Nahrain Journal for Engineering Sciences 26 (1), 31-36, 2023 | 2023 | Cited: 10
154. **Investigation on Existing Tunnel Response to Piles Construction: A Numerical Study**
Civil Engineering Journal 9, 202-216, 2023 | 2023 | Cited: 23
155. **Intelligent Systems and Applications in Engineering**
A Comprehensive Review of New Trends in the Use of Geosynthetics Clay Liner ...,, 2023 | 2023 | Cited: 1
156. **Dynamic Response of Framed Foundation Resting on Soil Modelled Using Different Approaches**
International Conference on Environment and Sustainability, 337-353, 2023 | 2023 | Cited: 1
157. **Effect of Saturation on Dynamic Characteristics of Collapsible Gypseous Soil using Cyclic Triaxial Testing**
Case Studies in Construction Materials, e02502, 2023 | 2023 | Cited: 7
158. **Lateral Stresses on Retaining Wall Supporting Sandy Soil Under Dynamic Footing Loads**
Geotechnical and Geological Engineering 41 (8), 4725-4742, 2023 | 2023 | Cited: 8
159. **Enhancement of Clay Compressibility and Strength Using Nano Magnesium Oxide**
E3S Web of Conferences 427, 01013, 2023 | 2023 | Cited: 9
160. **Semi-Flexible Pavement: A Review of Design and Performance Evaluation**
E3S Web of Conferences 427, 03001, 2023 | 2023 | Cited: 11
161. **Behavior of circular skirted footing on gypseous soil subjected to water infiltration**
Journal of the Mechanical Behavior of Materials 32 (1), 20220252, 2023 | 2023 | Cited: 7
162. **Enhancement of the Acid Resistance of Silty Clay Using Nano-Magnesium Oxide**
Materials 16 (14), 5035, 2023 | 2023 | Cited: 14
163. **Measured and calculated area of contact under different tire types**
AIP Conference Proceedings 2775 (1), 2023 | 2023 | Cited: 1
164. **Role of soluble materials on the hydro-mechanical properties of collapsible gypseous soil**
Transportation Infrastructure Geotechnology 10 (6), 1126-1144, 2023 | 2023 | Cited: 10

165. **Assessment of shear strength characteristics of the unsaturated gypseous soil at various saturation degrees**
Cogent Engineering 10 (2), 2283303, 2023 | 2023 | Cited: 12
166. **A Static and Dynamic Analysis of A High-Speed Turbo Machine Foundation**
Engineering and Technology Journal 41 (11), 1390-1402, 2023 | 2023 | Cited: 7
167. **Studying Characteristics and Strength of the Unsaturated Gypseous Soil with Various Saturation Degrees**
Engineering and Technology Journal 41 (11), 1309-1324, 2023 | 2023 | Cited: 5
168. **Neural network modeling of rutting performance for sustainable asphalt mixtures modified by industrial waste alumina**
Ain Shams Engineering Journal 14 (5), 101972, 2023 | 2023 | Cited: 25
169. **Using High Reactivity Attapulgite for Stabilizing Collapsible Gypseous Soil**
International Journal of Sustainable Development and Planning 17 (1), 165-172, 2022 | 2022 | Cited: 8
170. **Geotechnical properties of clayey soil improved by sewage sludge ash**
Journal of the Air & Waste Management Association 72 (1), 34-47, 2022 | 2022 | Cited: 42
171. **Behavior of dry medium and loose sand-foundation system acted upon by impact loads**
Structural Engineering and Mechanics, 703-721, 2022 | 2022 | Cited: 10
172. **Utilization of waste marble powder as sustainable stabilization materials for subgrade layer, Results Eng. 14 (2022), 100436**
2022 | Cited: 6
173. **A model for variation with time of flexible pavement temperature**
Open Engineering 12 (1), 176-183, 2022 | 2022 | Cited: 17
174. **Typical strength of asphalt mixtures compacted by gyratory compactor**
Journal of the Mechanical Behavior of Materials 31 (1), 186-192, 2022 | 2022
175. **Measurement of the Lateral Earth Pressure Coefficient of Clayey Soils by Modified Oedometer Test**
Engineering and Technology Journal 40 (11), 1376-1384, 2022 | 2022 | Cited: 7
176. **Mosul dam issues: analysis of the problem based on several studies**
IOP Conference Series: Earth and Environmental Science 1120 (1), 012027, 2022 | 2022 | Cited: 4
177. **Structural Problems of a Multi-storey Building**
Current Trends in Geotechnical Engineering and Construction: Proceedings of ...,, 2022 | 2022
178. **Compressibility and strength development of soft soil by polypropylene fiber**
Geomate Journal 22 (93), 91-97, 2022 | 2022 | Cited: 36
179. **Bearing capacity of foundation on soil reinforced by deep mixing columns**
Geomechanics and Geoengineering 17 (1), 309-320, 2022 | 2022 | Cited: 37
180. **Permanent deformation characterization of stone matrix asphalt reinforced by different types of fibers**
Journal of Engineering 28 (2), 99-116, 2022 | 2022 | Cited: 43
181. **Simulation of behaviour of swelling soil supported by a retaining wall**
Proceedings of the Institution of Civil Engineers-Structures and Buildings ...,, 2022 | 2022 | Cited: 20
182. **Numerical investigation of fatigue crack in asphalt concrete pavements using cohesive zone model**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 2
183. **Displacements and Stresses Induced by Vibrations of Machine Foundation on Clay Soil of Different Degrees of Saturation**
Case Studies in Construction Materials, e01327, 2022 | 2022 | Cited: 17
184. **Observations on the Behavior of Continuous Flight Auger Piles in Iraq**
International Conference on Geotechnical Engineering-Iraq, 222-229, 2022 | 2022 | Cited: 1
185. **Review of Natural Fiber Application for Sustainable Ground Improvement**
AWAM International Conference on Civil Engineering, 125-138, 2022 | 2022 | Cited: 2
186. **Stress waves transmission from railway track over geogrid reinforced ballast underlain by clay**
Structural Monitoring and Maintenance 9 (1), 1-27, 2022 | 2022 | Cited: 16

187. **Enhancement of Landfill Clay Liner Properties Using Lime Silica-Fume Mixture**
Available at SSRN 4200293, 2022 | 2022 | Cited: 2
188. **Reducing settlement of soft clay using different grouting materials**
Journal of the Mechanical Behavior of Materials 31 (1), 240-247, 2022 | 2022 | Cited: 16
189. **Effect of Carbonation on the Collapse Potential of Magnesium Oxide Treated Gypseous Soil**
International Journal of Engineering 35 (4), 706 - 714, 2022 | 2022 | Cited: 18
190. **Strengthening Of Soft Soil Using Caboxymethyl Cellelouse Biopolymer**
IOP Conference Series: Earth and Environmental Science 961 (1), 012030, 2022 | 2022 | Cited: 19
191. **Effect of using plastic waste bottles on soil response above buried pipes under static loads**
Applied Sciences 12 (23), 12304, 2022 | 2022 | Cited: 18
192. **Effect of embedment depth on cyclic behavior of tank footings on dry sand**
Transportation Infrastructure Geotechnology 9 (2), 220-235, 2022 | 2022 | Cited: 7
193. **Analysis of Asphalt Geogrid Reinforced Pavement Rutting by Finite Element Method**
IOP Conference Series: Earth and Environmental Science 961 (1), 012049, 2022 | 2022 | Cited: 10
194. **Evaluation of resilient modulus and rutting for warm asphalt mixtures: A local study in Iraq**
Applied Sciences 12 (24), 12841, 2022 | 2022 | Cited: 21
195. **Effect of Time History on Long-Term Deformation of Gypseous Soils**
Studia Geotechnica et Mechanica 44 (3), 198-210, 2022 | 2022 | Cited: 9
196. **Influence of adding plant fly ash on the geotechnical properties and pollution of sanitary landfill soil**
Engineering and Technology Journal 40 (11), 1385-1398, 2022 | 2022 | Cited: 9
197. **Numerical Simulation of the Effect of Repeated Load and Temperature on the Behavior of Asphalt Layers**
Engineering and Technology Journal 40 (5), 1-10, 2022 | 2022 | Cited: 7
198. **Finite Element Simulation of Repeated Loading Test of Asphalt Concrete**
Engineering and Technology Journal 40 (05), 661-667, 2022 | 2022 | Cited: 6
199. **EFFECT OF MAGNESIUM OXIDE AND CARBONATION ON COLLAPSE POTENTIAL OF COLLAPSIBLE GYPSEOUS SOIL**
GEOMATE Journal 22 (92), 48-55, 2022 | 2022 | Cited: 12
200. **Protection of flexible pipes from dynamic surface stresses by Geocell-reinforced sand backfill**
International Journal of Mining and Geo-Engineering 56 (1), 61-66, 2022 | 2022 | Cited: 12
201. **Enhancement consistency and compaction characteristics of clayey soil using nano silica material**
Periodicals of Engineering and Natural Sciences 10 (6), 77-83, 2022 | 2022 | Cited: 13
202. **Effect of arrangement of plugged and unplugged pipe pile group on the contribution ratios for friction and end resistance capacity**
Soil Mechanics and Foundation Engineering 59 (1), 7-14, 2022 | 2022 | Cited: 9
203. **Distribution of axial force and shear stress along a compression pile embedded in saturated and unsaturated swelling soil**
Proceedings of the 20th International Conference on Soil Mechanics and ..., 2022 | 2022 | Cited: 6
204. **Numerical Simulation of the Effect of Repeated Load and Waste Polypropylene on the Behavior of Asphalt Layers**
IOP Conference Series: Earth and Environmental Science 961 (1), 012039, 2022 | 2022 | Cited: 2
205. **Influence of soil suction on swelling pressure of bentonite-sand mixtures**
European Journal of Environmental and Civil Engineering 26 (7), 2554-2568, 2022 | 2022 | Cited: 50
206. **Structural Problems of a Multi-storey Building During Construction Due to the Absence of a Specialized Geotechnical Role-A Field Case Study**
Current Trends in Geotechnical Engineering and Construction Proceedings of 3icge Iraq 2022 | 2022 | Cited: 1
207. **A study on leaching of collapsible gypseous soils**
International Journal of Geotechnical Engineering 16 (1), 44-54, 2022 | 2022 | Cited: 40
208. **Utilization of waste marble powder as sustainable stabilization materials for subgrade layer**
Results in Engineering 14, 100436, 2022 | 2022 | Cited: 83

209. **Assessment of Flexible Pavement Behavior Under Dynamic Earthquake Loading**
Muthanna Journal of Engineering and Technology (MJET) 10 (1), 2022 | 2022 | Cited: 1
210. **ВЛИЯНИЕ РАСПОЛОЖЕНИЯ И ТИПА ТРУБЧАТЫХ СВАЙ В ГРУППЕ НА СОПРОТИВЛЕНИЕ ТРЕНИЮ ПО БОКОВОЙ ПОВЕРХНОСТИ И ПОД ПЯТОЙ** Effect of arrangement of plugged and unplugged pipe pile group ...
Основания, фундаменты и механика грунтов, 7, 2022 | 2022
211. **Function and Application of Geogrid in Flexible Pavement under Dynamic Load**
Engineering and Technology Journal 39 (8), 1231-1241, 2021 | 2021 | Cited: 12
212. **Field study on soft soil improvement using continuous flight auger (CFA) piles**
GEOMATE Journal 21 (86), 159-166, 2021 | 2021 | Cited: 15
213. **Creep Characteristics of Organic Soft Clay Soil Using Large–Scale Model**
ACES, 191-198, 2021 | 2021 | Cited: 2
214. **Swelling behavior of unsaturated expansive soil**
Transportation Infrastructure Geotechnology 8 (1), 37-58, 2021 | 2021 | Cited: 41
215. **Geogrid reinforcement optimal location under different tire contact stress assumptions**
International Journal of Pavement Research and Technology 14, 357-365, 2021 | 2021 | Cited: 30
216. **Characteristics of asphalt binder and mixture modified with waste polypropylene**
Engineering and Technology Journal 39 (8), 1224-1230, 2021 | 2021 | Cited: 35
217. **Numerical Modeling of the Pipeline Uplift Mechanism in Clay**
Archives of Hydro-Engineering and Environmental Mechanics 68 (2), 119-135, 2021 | 2021 | Cited: 5
218. **Consistency characteristics of dispersive clays**
Engineering and Technology Journal 39 (12), 1753-1759, 2021 | 2021 | Cited: 7
219. **Tracing of stresses and pore water pressure changes during a multistage modified relaxation test model on organic soil**
Arabian Journal of Geosciences 14, 1-9, 2021 | 2021 | Cited: 10
220. **Influence of Geogrid Reinforcement of Sand in Transfer of Dynamic Loading to Underground Structure**
IOP Conference Series: Earth and Environmental Science 856 (1), 012013, 2021 | 2021 | Cited: 5
221. **Numerical analysis of a zoned earth dam considering hydrodynamic force during the earthquake excitation**
Journal of Physics: Conference Series 1973 (1), 012183, 2021 | 2021 | Cited: 16
222. **Effect of Pile's Number on the Behavior of Piled Raft Foundation**
Engineering and Technology Journal 39 (7), 1080-1091, 2021 | 2021 | Cited: 14
223. **EFFECT OF NANOMATERIALS ON SHEAR STRENGTH OF GYPSEOUS SOIL**
Kufa Journal of Engineering 12 (1), 1-14, 2021 | 2021 | Cited: 13
224. **Settlement of ring footing resting on geocell reinforced sandy soil under cyclic load**
E3S Web of Conferences 318, 01003, 2021 | 2021 | Cited: 4
225. **Enhancement of the compressibility and strength of soft clayey soil by polypropylene fibers**
Adv Mech 9, 351-361, 2021 | 2021 | Cited: 4
226. **Investigation of Characteristics Landfill leachate using Large Scale Lysimeter under Anaerobic Conditions**
Journal of University of Shanghai for Science and Technology 23 (1), 70-81, 2021 | 2021 | Cited: 7
227. **Experimental and numerical modeling of moving retaining wall in expansive soil**
Geomechanics and Geoengineering 16 (2), 116-132, 2021 | 2021 | Cited: 18
228. **Improvement of soft clayey soil by bio-polymer**
Engineering and Technology Journal 39 (08), 1301-1306, 2021 | 2021 | Cited: 25
229. **Transmission of Stresses in Pavement Layers Subjected to Earthquake Excitation**
IOP Conference Series: Materials Science and Engineering 1067 (1), 012060, 2021 | 2021 | Cited: 2
230. **DISTRIBUTION OF STRESSES BELOW FOOTINGS SUPPORTED BY STONE COLUMNS**
Journal of Engineering Science and Technology 16 (2), 1719-1732, 2021 | 2021 | Cited: 4
231. **The role of granular cushion in load sharing of unconnected piled rafts in clayey soils**
Engineering and Technology Journal 39 (12), 1789-1796, 2021 | 2021 | Cited: 10

232. **Influence of plastic fiber on the geotechnical properties of gypseous soil**
International Journal of Engineering 34 (2), 367-374, 2021 | 2021 | Cited: 31
233. **EXPLORING THE EFFECT OF ORGANIC ADDITIVES ON PHYSICAL PROPERTIES OF BITUMEN**
Electronic Journal of the Faculty of Civil Engineering Osijek-e-GFOS 12 (23 ..., 2021 | 2021 | Cited: 1
234. **Dispersion characteristics of MgO-treated dispersive clay**
Arabian Journal of Geosciences 14, 1-13, 2021 | 2021 | Cited: 30
235. **Production of Waste Rubber-Made Geogrid Reinforcement for Strengthening Weak Soils**
Lecture Notes in Civil Engineering | 2021 | Cited: 5
236. **Experimental Investigation for Dynamic Response of Saturated Clay Under Machine Foundation**
Lecture Notes in Civil Engineering | 2021 | Cited: 12
237. **Comparison between methods of soil saturation on determination of the soil water characteristic curve of cohesive soils**
Arabian Journal of Geosciences 14 (2), 101, 2021 | 2021 | Cited: 21
238. **Geogrid bridging over existing shallow flexible PVC buried pipe-experimental study-sciencedirect**
Tunnelling and Underground Space Technology 113, 103945, 2021 | 2021 | Cited: 3
239. **Cavity Effects on Axially Loaded Single Pipe Piles Embedded in a Sand Deposit**
2021 4th International Iraqi Conference on Engineering Technology and Their ..., 2021 | 2021 | Cited: 4
240. **Effect of nano-carbon on geotechnics features of gypseous soils**
Key Engineering Materials 895, 20-30, 2021 | 2021 | Cited: 5
241. **Characteristics of soft clays enhanced by graphene oxide**
IOP Conference Series: Earth and Environmental Science 856 (1), 012018, 2021 | 2021 | Cited: 8
242. **Numerical Analysis of Treatment of Highly Expansive Soil by Partial Replacement with Crushed Concrete**
IOP Conference Series: Earth and Environmental Science 856 (1), 012005, 2021 | 2021 | Cited: 7
243. **Earthquake Response of Model Footings on Soft Clays Strengthened by Stone Columns**
Engineering and Technology Journal 39 (8), 1216-1223, 2021 | 2021 | Cited: 4
244. **Estimation of the components of residential solid waste in Baqubah City and their generation rate**
Engineering and Technology Journal 39 (3), 440-452, 2021 | 2021 | Cited: 5
245. **Distribution of Stresses in Reinforced and Unreinforced Flexible Pavement Layers under Dynamic Load**
IOP Conference Series: Materials Science and Engineering 1090 (1), 012023, 2021 | 2021 | Cited: 3
246. **Finite element analysis of a zoned earth dam under earthquake excitation**
IOP Conference Series: Materials Science and Engineering 1067 (1), 012074, 2021 | 2021 | Cited: 5
247. **Compressibility characteristics of soft clays treated by graphene oxide**
Journal of Southwest Jiaotong University 56 (1), 2021 | 2021 | Cited: 4
248. **Case Study of Retaining Wall Supporting Swelling Soil in Mosul City**
Lecture Notes in Civil Engineering | 2021 | Cited: 2
249. **Effect of soil saturation on load transfer in a pile excited by pure vertical vibration**
Proceedings of the Institution of Civil Engineers-Structures and Buildings ..., 2021 | 2021 | Cited: 19
250. **Investigation of the end bearing load in pile group model in dry soil under horizontal excitation,Preiskava nosilnosti konice v modelu skupine pilotov v suhih tleh ob vodoravnem vzbujanju**
Acta Geotechnica Slovenica | 2021
251. **Correlation Between Brazilian Test And Unconfined Compressive Strength Test Results For Different Types Of Iraqi Rocks**
Design Engineering, 13720-13729, 2021 | 2021 | Cited: 2
252. **Implementation of artificial neural network to predict the permeability and solubility models of gypseous soil**
Pertanika Journal of Science and Technology | 2021 | Cited: 17
253. **Geogrid bridging over existing shallow flexible PVC buried pipe – Experimental study**
Tunnelling and Underground Space Technology | 2021 | Cited: 34

254. **Dynamic Behavior of Pavement Layers on Sand Subgrade**
Engineering and Technology Journal 39 (12), 1760-1770, 2021 | 2021 | Cited: 4
255. **Vertical and horizontal displacement of model piles in dry soil with horizontal excitation**
Proceedings of the Institution of Civil Engineers-Structures and Buildings..., 2021 | 2021 | Cited: 19
256. **INVESTIGATION OF THE END BEARING LOAD IN PILE GROUP MODEL IN DRY SOIL UNDER HORIZONTAL EXCITATION**
Acta Geotechnica Slovenica, 79 - 106, 2021 | 2021 | Cited: 18
257. **Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive**
Ain Shams Engineering Journal 12 (4), 3619-3627, 2021 | 2021 | Cited: 61
258. **Suction effect on shear strength of an overconsolidated unsaturated soil**
Journal of Engineering Science and Technology 16 (4), 3562-3575, 2021 | 2021 | Cited: 14
259. **Leachate properties of municipal solid waste in laboratory landfill**
Advances in Mechanics 9 (3), 143-150, 2021 | 2021 | Cited: 9
260. **Behavior of flexible pavement on swelling subgrade soil reinforced with geogrid**
Archives of Civil Engineering 67 (4), 2021 | 2021 | Cited: 12
261. **Evaluation of Leaching Behavior of Treated and Untreated Gypseous Soil**
IOP Conf. Series: Earth and Environmental Science 856 (1), 012050, 2021 | 2021 | Cited: 16
262. **Static interaction in soil-Pile-Cap system using three-dimensional analysis**
Periodicals of Engineering and Natural Sciences | 2020 | Cited: 2
263. **Experimental investigation on the bearing capacity of skirted foundations on submerged gypseous soil**
Marine Georesources and Geotechnology | 2020
264. **Erosion of dune sands stabilised by grouting with lime-silica fume mix**
Proceedings of the Institution of Civil Engineers Ground Improvement | 2020 | Cited: 13
265. **Effect of load history on time-dependent collapse behavior of unsaturated collapsible gypseous soils**
16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering ARC 2019 | 2020 | Cited: 10
266. **Measuring pile shaft and tip capacities of a single pile embedded in saturated and unsaturated expansive clayey soil**
IOP Conference Series: Materials Science and Engineering 737 (1), 012086, 2020 | 2020
267. **Response of different machine foundation shapes resting on dry sand to dynamic loading**
Tikrit Journal of Engineering Sciences 27 (2), 29-39, 2020 | 2020 | Cited: 9
268. **Effect of saturation on response of a single pile embedded in saturated sandy soil to vertical vibration**
European Journal of Environmental and Civil Engineering 24 (3), 381-400, 2020 | 2020 | Cited: 36
269. **The soil water characteristic curve for non-cohesive soils**
Solid State Technology 63 (1), 720-729, 2020 | 2020 | Cited: 6
270. **Effect of embedment depth for circular footing on the amplitude of displacement under dynamic load**
IOP Conference Series: Materials Science and Engineering 671 (1), 012024, 2020 | 2020 | Cited: 3
271. **Effect of soil plug removal on the load-carrying capacity of symmetric and non-symmetric pile groups**
Ships and Offshore Structures 15 (9), 911-933, 2020 | 2020 | Cited: 15
272. **Settlement of railway track on reinforced ballast overlain by clayey**
Journal of Transportation and Logistics 5 (2), 105-128, 2020 | 2020 | Cited: 11
273. **Studying the settlement of backfill sandy soil behind retaining wall under dynamic loads**
Engineering and Technology Journal 38 (7), 992-1000, 2020 | 2020 | Cited: 12
274. **Improvement of bearing capacity for shallow foundation supporting inclined load using Geomesh reinforcement**
Journal of Green Engineering | 2020
275. **Compression and creep indices of organic clayey soil**
IOP Conference Series: Materials Science and Engineering 671 (1), 012035, 2020 | 2020 | Cited: 14

276. **Collapse problem treatment of gypseous soil by nanomaterials**
International Journal of Engineering 33 (9), 1737-1742, 2020 | 2020 | Cited: 38
277. **Evaluate Resistance of Warm Asphalt Mixtures to Rutting**
MS&E, The Fourth Postgraduate Engineering Conference, Baghdad, IOP Conf ..., 2020 | 2020 | Cited: 13
278. **Cyclic settlement of footings of different shapes resting on clayey soil**
Engineering and Technology Journal 38 (3), 465-477, 2020 | 2020 | Cited: 8
279. **Model studies on load sharing for shaft and tip of pile groups in saturated and unsaturated soils**
Geotechnical and Geological Engineering 38, 4227-4242, 2020 | 2020 | Cited: 17
280. **New trend to measure the saturation point and suction in granular soil**
Engineering and Technology Journal 38 (11), 1570-1579, 2020 | 2020 | Cited: 6
281. **Effect of diameter on the load carrying capacity of Closed-Open Ended Pipe piles**
Fourth International Conference on Buildings, Construction and Environmental ..., 2020 | 2020 | Cited: 3
282. **Effect of mode of vibration on the response of machine foundation on sand**
Fourth International Conference on Buildings, Construction and Environmental ..., 2020 | 2020 | Cited: 3
283. **Dynamic response of pile group model in sandy soil to lateral excitation**
IOP Conference Series: Materials Science and Engineering 737 (1), 012091, 2020 | 2020 | Cited: 4
284. **Load carrying capacity of rectangular foundation on geogrid reinforced sloped sandy soil**
Fourth International Conference on Buildings, Construction and Environmental ..., 2020 | 2020 | Cited: 15
285. **Relationship between the matric suction and the shear strength in unsaturated soil**
Case Studies in Construction Materials 13, e00441, 2020 | 2020 | Cited: 103
286. **Response of circular machine foundation resting on sandy soil to harmonic excitation**
Journal of Engineering Science and Technology 15 (2), 831-845, 2020 | 2020 | Cited: 8
287. **Exploring the Effect of Warm Additives on Fatigue Cracking of Asphalt Mixtures**
Journal of Applied Science and Engineering 23 (2), 197-205, 2020 | 2020 | Cited: 17
288. **Effect of track speed on the behavior of railway track ballast system underlain by clay**
IOP Conference Series: Materials Science and Engineering 737 (1), 012114, 2020 | 2020 | Cited: 13
289. **Creep characteristics and pore water pressure changes during loading of water storage tank on soft organic soil**
International Journal of Geotechnical Engineering 14 (5), 527-537, 2020 | 2020 | Cited: 22
290. **A review study on the optimizing the performance of soil using nanomaterials**
Advances in Industrial Engineering and Management (AIEM) 9 (2), 1-10, 2020 | 2020 | Cited: 20
291. **Load sharing and behavior of single pile embedded in unsaturated swelling soil**
European Journal of Environmental and Civil Engineering 24 (12), 1967-1992, 2020 | 2020 | Cited: 39
292. **Time-dependent collapse potential of unsaturated collapsible gypseous soils**
World Journal of Engineering 17 (2), 283-294, 2020 | 2020 | Cited: 31
293. **Evaluation of the Moisture Damage of Warm Asphalt Mixtures**
Innovative Infrastructure Solutions 5 (54), 2020 | 2020 | Cited: 9
294. **Experimental and Statistical Study on Single and Groups of Stone**
Geotechnical Engineering Development, 399, 2020 | 2020
295. **Behavior of Group of Plugged and Unplugged Pipe Piles in Soil Containing Cavities**
IOP Conference Series: Materials Science and Engineering 888 (1), 012068, 2020 | 2020 | Cited: 1
296. **Effect of Reinforcement Width on the Behavior of Buried Pipe in Sandy Soil**
Key Engineering Materials 857, 56-65, 2020 | 2020 | Cited: 1
297. **Improvement of capacity of bearing for Shallow Foundation Supporting Inclined Load Using Geomesh Reinforcement**
Test Engineering and Management, 13172 - 13181, 2020 | 2020 | Cited: 2
298. **Bearing capacity of piles in unsaturated soil from theoretical and experimental approaches**
Fourth International Conference on Buildings, Construction and Environmental ..., 2020 | 2020 | Cited: 4
299. **Assessment of Changes in Shear Strength Parameters for Soils below Circular Machine Foundation**
International Journal of Engineering - TRANSACTIONS B: Applications 33 (8 ..., 2020 | 2020 | Cited: 6
300. **Compressibility characteristics of soft clays treated by graphene**
IOP Conference Series: Materials Science and Engineering 978 (1), 012035, 2020 | 2020 | Cited: 4

301. **Dynamic Response of Machine Foundation Resting on End Bearing Piles**
IOP Conference Series: Materials Science and Engineering 978 (1), 012038, 2020 | 2020 | Cited: 3
302. **Experimental and Statistical Study on Single and Groups of Stone Columns**
Key Engineering Materials 857, 399-408, 2020 | 2020 | Cited: 11
303. **Safety Assessment of Hadithah Dam Under Extreme Operations and Collapsible Foundation Challenges**
Engineering and Technology Journal 38 (12), 1771-1782, 2020 | 2020 | Cited: 5
304. **Vertical and lateral displacement response of foundation to earthquake loading**
International Journal of Engineering 33 (10), 1864-1871, 2020 | 2020 | Cited: 9
305. **Application of energy absorbing layer to soil-structure interaction analysis**
IOP Conference Series: Materials Science and Engineering 737 (1), 012097, 2020 | 2020 | Cited: 7
306. **Behavior of Different Materials for Stone Column Construction**
Journal of Engineering and Applied Sciences 14 (4), 1162-1168, 2019 | 2019 | Cited: 33
307. **COMPARISON BETWEEN COMPACTION OF SUBBASE MATERIAL BY PROCTOR TESTS AND SUPERPAVE GYRATORY COMPACTOR**
Global Journal of Engineering Science and Research Management 6 (6), 1-10, 2019 | 2019 | Cited: 5
308. **PERFORMANCE OF DRIVEN REINFORCED CONCRETE PILES UNDER THE EFFECT OF DYNAMIC LOADING**
Journal of Engineering and Sustainable Development 23 (1), 117-134, 2019 | 2019
309. **Peter the Great Saint Petersburg Polytechnic University, Saint Petersburg, Russia**
Journal of Engineering and Applied Sciences 14 (4), 1162-1168, 2019 | 2019
310. **Stress distribution from railway track over geogrid reinforced ballast underlain by clay**
EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION 18 (1), 77-93, 2019 | 2019 | Cited: 52
311. **Effect of Load Frequency on the Track Rail and Subgrade Layer Settlement**
Journal of Engineering and Applied Sciences 14 (18), 6723-6730, 2019 | 2019 | Cited: 8
312. **The performance of shear strength and volume changes of expansive soils utilizing different additives**
IOP Conference Series: Materials Science and Engineering 518 (2), 022043, 2019 | 2019 | Cited: 14
313. **Evaluation Settlement and Bearing Capacity of Embankment on Soft Soil With Reinforced Geogrids**
International Journal of Engineering Research & Technology (IJERT) 8 (6), 99-103, 2019 | 2019 | Cited: 11
314. **Contact pressure distribution under circular shallow foundation subjected to vertical and rocking vibration modes**
Journal of Building Engineering 26, 100908, 2019 | 2019 | Cited: 6
315. **Evaluation of Settlement and Bearing Capacity of Embankment on Soft Soil With Reinforced Geogrids**
International Journal of Engineering Research and Technology | 2019
316. **Determination of the Soil Water Characteristic Curve for Unsaturated Gypseous Soil from Model Tests**
Research Journal of Applied Sciences | 2019 | Cited: 14
317. **Cause-and-effect study of the structural failure of the historic complex of the St. Anna's Church in Warsaw**
MATEC Web of Conferences | 2019
318. **Finite element analysis of the bearing capacity of footings nearby slopes**
International Review of Civil Engineering | 2019 | Cited: 17
319. **Bearing capacity of isolated square footing resting on contaminated sandy soil with crude oil**
Egyptian Journal of Petroleum 28 (3), 281-288, 2019 | 2019 | Cited: 20
320. **Behavior of swelling soil treated by grid geocell columns under a tank footing**
IOP Conference series: materials science and engineering 579 (1), 012041, 2019 | 2019 | Cited: 6
321. **Evaluation of the mechanical stability of asphalt mixture using the gyratory compactor**
International Journal of Pavement Research and Technology 12, 508-518, 2019 | 2019 | Cited: 17

322. **Assessment of mechanical stability performance of asphalt mixture using Superpave gyratory compactor**
Journal of Transportation Engineering, Part B: Pavements 145 (2), 04019004, 2019 | 2019 | Cited: 27
323. **Laboratory study on load carrying capacity of pile group in unsaturated clay**
Arabian Journal for Science and Engineering 44 (5), 4613-4627, 2019 | 2019 | Cited: 25
324. **Effects of organic warm mix asphalt additives on marshall properties**
2nd International Conference on Sustainable Engineering Techniques (ICSET ...; 2019 | 2019 | Cited: 6
325. **Numerical Analysis of Fully Plugged Pipe Pile Groups in Sandy Soil**
IOP Conference Series: Materials Science and Engineering 433 (1), 012019, 2018 | 2018 | Cited: 1
326. **Effects of using silica fume and lime in the treatment of kaolin soft clay**
Geomechanics & engineering 14 (3), 247-255, 2018 | 2018 | Cited: 66
327. **Behavior of flexible buried pipes under geocell reinforced subbase subjected to repeated loading**
International Journal of Geotechnical Earthquake Engineering (IJGEE) 9 (1 ...; 2018 | 2018 | Cited: 48
328. **EXPERIMENTAL STUDY ON BEARING CAPACITY OF SKIRTED FOUNDATIONS ON DRY GYPSEOUS SOIL**
International Journal of Civil Engineering and Technology (IJCIET) 9 (10 ...; 2018 | 2018 | Cited: 49
329. **Effect of geocell reinforcement above buried pipes on surface settlement**
International Review of Civil Engineering 9 (2), 86–90, 2018 | 2018 | Cited: 42
330. **Strength characteristics of dune sand stabilized with lime-silica fume mix**
International Journal of Pavement Engineering 19 (10), 874-882, 2018 | 2018 | Cited: 30
331. **Numerical analysis of the effect of geocell reinforcement above buried pipes on surface settlement and vertical pressure**
International Journal of Geotechnical and Geological Engineering 12 (3), 256-262, 2018 | 2018 | Cited: 24
332. **Variation of suction during wetting of unsaturated collapsible gypseous soils**
International Journal of Engineering & Technology 7 (4.37), 79-85, 2018 | 2018 | Cited: 23
333. **Load distribution in pile group embedded in sandy soil containing cavity**
KSCE Journal of Civil Engineering 22 (2), 509-519, 2018 | 2018 | Cited: 19
334. **Behavior of foundation soil improved by stone column under cyclic load**
MATEC Web of Conferences 239, 05015, 2018 | 2018 | Cited: 19
335. **Design and Improvement of foundation soil for high-rise construction**
MATEC Web of Conferences 170, 03001, 2018 | 2018 | Cited: 7
336. **Liquefaction Potential of Sandy Soil from Small Laboratory Machine Foundation Model**
International Review of Civil Engineering (IRECE) 9 (1), 11-19, 2018 | 2018 | Cited: 19
337. **LOAD CARRYING CAPACITY OF RING FOOTING ON GEOCELL REINFORCED SANDY SOIL**
Global Journal of Engineering Science and Research Management 5 (10), 32-42, 2018 | 2018 | Cited: 12
338. **Ground improvement using stone column construction encased with geogrid**
Construction of Unique Buildings and Structures 66 (3), 49-59., 2018 | 2018 | Cited: 22
339. **Response of circular footing on dry dense sand to impact load with different embedment depths**
Earthquakes and Structures 14 (4), 323-336, 2018 | 2018 | Cited: 11
340. **Crude oil effect on the clayey soil mechanical and physical properties**
International Journal of Engineering & Technology 7 (4.20), 453-458, 2018 | 2018 | Cited: 10
341. **Bearing capacity of uplift piles with end gates**
Proceedings of China-Europe Conference on Geotechnical Engineering: Volume 2 ...; 2018 | 2018 | Cited: 21
342. **Incremental filling ratio of pipe pile groups in sandy soil**
Geomechanics & engineering 15 (1), 695-710, 2018 | 2018 | Cited: 6
343. **Impact induced responses of saturated and dry dense sand**
International Journal of Geotechnical Earthquake Engineering (IJGEE) 9 (2 ...; 2018 | 2018 | Cited: 8
344. **Determination of liquefaction potential for two selected sites in Kerbala city-middle of Iraq**
International Journal of Engineering & Technology 7 (1), 25-32, 2018 | 2018 | Cited: 11
345. **Swelling pressure of bentonite-sand mixtures under different suction values**
Technology 12, 15, 2018 | 2018 | Cited: 3

346. **Effect of Relative Density on Liquefaction Potential of Sandy Soil from Small Laboratory Machine Foundation Model**
International Journal of Science and Research (IJSR) 7 (1), 661-672, 2018 | 2018
347. **Ground Response Analysis for Two Selected Sites in Al-Hilla City in the Middle of Iraq**
Journal of University of Babylon for Engineering Sciences 26 (6), 235-257, 2018 | 2018 | Cited: 7
348. **Effect of hydraulic conductivity of unsaturated soil on the earth dam performance**
MATEC Web of Conferences 162, 01008, 2018 | 2018 | Cited: 6
349. **Effect of Number of Piles on Load Sharing in Piled Raft Foundation System in Saturated Gypseous Soil**
International Journal of Civil Engineering and Technology (IJCIET) 9 (3 ...), 2018 | 2018 | Cited: 17
350. **EFFECT OF LOAD FREQUENCY ON THE SUBGRADE LAYER STRESSES BENEATH RAILWAYS**
International Journal of Civil Engineering and Technology (IJCIET) 9 (11 ...), 2018 | 2018 | Cited: 3
351. **Effect of pile diameter on the behavior of fully plugged pipe pile group in sandy soil**
Technology 12, 15, 2018 | 2018 | Cited: 3
352. **Numerical Investigation of the Bearing Capacity Factor and Behavior of Footing Bonded by a Wall**
Association of Arab Universities Journal of Engineering Sciences 25 (5), 453-464, 2018 | 2018
353. **Experimental and Numerical Behavior of Railway Track Over Geogrid Reinforced Ballast Underlain by Soft Clay**
Sustainable Civil Infrastructures | 2018 | Cited: 37
354. **Dynamic response of plates on elastic foundation under eccentric impact load**
MATEC Web of Conferences 120, 06006, 2017 | 2017 | Cited: 2
355. **Vertical vibration capacity of a single pile in dry sand**
Marine Georesources & Geotechnology 35 (8), 1111-1120, 2017 | 2017 | Cited: 22
356. **Impact of reclaimed asphalt pavement (RAP) on properties of asphalt mixture for surface layer**
Global Journal of Engineering Science and Research Management, 2017 | 2017 | Cited: 9
357. **Adhesion Factor of Piles Embedded in Unsaturated Swelling Soil**
Proceedings of the 19th International Conference on Soil Mechanics and ...,, 2017 | 2017 | Cited: 15
358. **Determination of collapse potential of gypseous soil from field and laboratory tests**
Diyala Journal of Engineering Sciences, Iraq, Accepted for publication 10 (2 ...,, 2017 | 2017 | Cited: 29
359. **Flow and stability of Al-Wand earth dam during rapid drawdown of water in reservoir**
Acta Montanistica Slovaca | 2017
360. **Behavior of reinforced sub-base layer on dried expansive soil under cyclic loading**
Journal of Earth Sciences and Geotechnical Engineering 7 (3), 23-49, 2017 | 2017 | Cited: 5
361. **Investigation of Reinforced Sub-base Layer on Saturated Expansive Subgrade Soil under Cyclic Loading**
International Journal of Earth Sciences and Engineering 10 (3), 604-615, 2017 | 2017 | Cited: 5
362. **Stress transfer from pile group in saturated and unsaturated soil using theoretical and experimental approaches**
MATEC web of conferences 120, 06005, 2017 | 2017 | Cited: 6
363. **Behavior of dry medium and loose sand-foundation system acted upon by impact loads**
Structural Engineering and Mechanics | 2017
364. **Earthfill Dams Response to Earthquake Excitation-Khassa Chai Dam as a Case Study**
Al-Nahrain Journal for Engineering Sciences 20 (2), 405-418, 2017 | 2017 | Cited: 10
365. **Determination of the soil–water characteristic curve of unsaturated bentonite–sand mixtures**
Environmental Earth Sciences 76 (5), 201, 2017 | 2017 | Cited: 48
366. **Development of excess pore water pressure around piles excited by pure vertical vibration**
International Journal of Civil Engineering 15, 907-920, 2017 | 2017 | Cited: 21
367. **Stresses and pore water pressure induced by machine foundation on saturated sand**
Ocean Engineering 146, 268-281, 2017 | 2017 | Cited: 45
368. **Flow and stability of Al-Wand earth dam during rapid drawdown of water in reservoir.**
Acta Montanistica Slovaca 22 (1), 2017 | 2017 | Cited: 51

369. **Dynamic Response of Saturated Soil - Foundation System Acted upon by Vibration**
Journal of Earthquake Engineering | 2017 | Cited: 47
370. **FINITE ELEMENT SIMULATION OF PLUGGED OPEN ENDED PILE BEHAVIOR**
Kufa Journal of Engineering 8 (2), 2017 | 2017
371. **Impact of Reclaimed Asphalt Pavement (RAP) on Properties of Asphalt Mixtures for Surface Layer**
Global Journal of Engineering Science and Research Management 4 (10), 161-170., 2017 | 2017
372. **Cyclic Behavior of Footings on Dry Sand under Different Rates of Loading**
International Journal of Construction Engineering and Management 6 (6), 240-253, 2017 | 2017 | Cited: 20
373. **Stabilization of soft kaolin clay with silica fume and lime**
International Journal of Geotechnical Engineering 11 (1), 90-96, 2017 | 2017 | Cited: 115
374. **Estimation of bearing capacity of floating group of stone columns**
Engineering science and technology, an international journal 20 (3), 1166-1172, 2017 | 2017 | Cited: 116
375. **EFFECT OF FINE MATERIAL ON COMPACTION CHARACTERISTICS OF SUBBASE MATERIAL USING THE SUPERPAVE GYRATORY COMPACTOR**
International Journal of Civil Engineering and Technology 7 (5), 466–476, 2016 | 2016 | Cited: 16
376. **Three-dimensional finite element simulation of the buried pipe problem in geogrid reinforced soil**
Journal of Engineering 22 (5), 60-73, 2016 | 2016 | Cited: 25
377. **Behavior of Dry Dense Sand-Foundation System Acted upon by Impact Loads**
Journal of Civil Engineering Research 6 (4), 86-103, 2016 | 2016 | Cited: 4
378. **BEARING CAPACITY OF STRIP FOOTING RESTING ON DUNE SANDS STABILIZED BY GROUTING WITH LIME–SILICA FUME MIX**
International Journal of Civil Engineeri 7 (2), 1-21, 2016 | 2016 | Cited: 8
379. **Experimental Study on Behavior of Soft Clay Strengthened by Geogrid Encased Stone Columns**
Journal of the Arab Universities Union 23 (1), 93-116., 2016 | 2016 | Cited: 2
380. **Experimental analysis of embankment on ordinary and encased stone columns**
International Journal of Geomechanics 16 (4), 04015102, 2016 | 2016 | Cited: 148
381. **DYNAMIC CHARACTERISTICS OF SANDY SOILS UNDER IMPACT LOAD**
University of Baghdad, 2016 | 2016
382. **Bearing capacity of open-ended pipe piles with restricted soil plug**
Ships and Offshore Structures 11 (5), 501-516, 2016 | 2016 | Cited: 69
383. **DYNAMIC RESPONSE TO LATERAL EXCITATION OF PILE GROUP MODEL IN SANDY SOIL**
University of Technology - Iraq, 2016 | 2016 | Cited: 7
384. **Al-Neami and Ahmed SH Al-Suhaily, "Reliability Based Analysis of Bearing Capacity of Footings on Soft Soil Strengthened by Stone Columns"**
International Journal of Civil Engineering and Technology (IJCIET) 7 (4), 62-80, 2016 | 2016 | Cited: 10
385. **Behavior and Characteristics of Compacted Expansive Unsaturated Bentonite-sand Mixture**
Journal of Rock Mechanics and Geotechnical Engineering 8 (5), 629-639, 2016 | 2016 | Cited: 65
386. **Improving geotechnical characteristics of kaolin soil using silica fume and lime**
Special Topics & Reviews in Porous Media: An International Journal 7 (1), 2016 | 2016 | Cited: 52
387. **Bearing capacity of closed and open ended pipe piles installed in loose sand with emphasis on soil plug**
NISCAIR-CSIR, India, 2016 | 2016 | Cited: 41
388. **Effect of geocell reinforcement in the mitigation of traffic loads transmitted to the flexible buried pipes**
Global Journal of Engineering Science and Research Management 3 (7), 118-128, 2016 | 2016 | Cited: 16
389. **Behavior of improved railway ballast overlying clay using geogrid**
Building and Construction Engineering Department, 2016 | 2016 | Cited: 10
390. **Behavior of Khassa Chai Earth Dam under Earthquake Excitation**
Engineering and Technology Journal 34 (15), 2784-2795., 2016 | 2016 | Cited: 8
391. **Influence of Geogrid Reinforced Loose Sand In Transfer of Dynamic Loading To Underground Structure**
Engineering and Technology Journal 34 (11), 1915-1927., 2016 | 2016 | Cited: 6

392. **EFFECT OF PLUG REMOVAL ON LOAD TRANSFER IN PLUGGED OPEN ENDED PILE BEHAVIOR**
International Journal of Civil Engineering and Technology 7 (5), 124–136, 2016 | 2016 | Cited: 6
393. **Vibration response of saturated sand - foundation system**
Earthquake and Structures | 2016 | Cited: 25
394. **Reliability based analysis of bearing capacity of footings on soft soil strengthened by stone columns**
International Journal of Civil Engineering and Technology | 2016
395. **Compaction and collapse characteristics of dune sand stabilized with lime-silica fume mix, Características de compactación y de colapso de arena de dunas estabilizada con una mezcla de óxido de calcio y óxido de silicio**
Earth Sciences Research Journal | 2016
396. **STABILIZATION OF FINE-GRAINED SOILS WITH LIMESILICA FUME MIX**
UNIVERSITI MALAYSIA PAHANG, 2016 | 2016
397. **Experimental study on compressibility, volume changes, strength and permeability characteristics of unsaturated bentonite-sand mixtures**
Engineering and Technology Journal 34 (7), 1308-1323, 2016 | 2016 | Cited: 8
398. **Evaluation of Reinforced Sub-Base Layer on Expansive Sub-Grade Soil**
Engineering and Technology Journal 34 (9), 7024-7038., 2016 | 2016 | Cited: 2
399. **Prediction models for fatigue resistance of local hot mix asphalt**
Road Materials and Pavement Design 17 (4), 793-809, 2016 | 2016 | Cited: 15
400. **Estimation of bearing capacity of open-ended model piles in sand**
Arabian Journal of Geosciences 9, 1-14, 2016 | 2016 | Cited: 41
401. **Collapse potential of gypseous soils from Iraq**
Global Journal of Engineering Science and Research Management 3 (12), 1-12, 2016 | 2016 | Cited: 9
402. **Load transfer and arching analysis in reinforced embankment**
Proceedings of the Institution of Civil Engineers-Structures and Buildings ...;, 2016 | 2016 | Cited: 22
403. **Dynamic behavior of pile group model in two–Layer sandy soil subjected to lateral earthquake excitation**
Global Journal of Engineering Science and Research Management 3 (8), 57-80, 2016 | 2016 | Cited: 15
404. **Engineering properties of clayey soil stabilized with lime**
ARPJ Journal of Engineering and Applied Sciences 11 (4), 2434-2441, 2016 | 2016 | Cited: 55
405. **Compaction and Collapse Characteristics of Dune Sand Stabilized with Lime-Silica Fume Mix**
Earth Sciences Research Journal 20 (2), 11-18, 2016 | 2016 | Cited: 25
406. **Treatment of soil swelling using geogrid reinforced columns**
Italian Journal of Geosciences 135 (1), 83-94, 2016 | 2016 | Cited: 34
407. **Supporting a Multi-Story Building Raft Foundation by Bored Piles to Prevent Collapse Failure**
The 2nd International Conference of Buildings, Construction and ...;, 2015 | 2015 | Cited: 2
408. **Experimental study on the behavior of strip footing on sandy soil bounded by a wall**
Arabian Journal of Geosciences 8, 4779-4790, 2015 | 2015 | Cited: 28
409. **Numerical simulation of the treatment of soil swelling using grid geocell columns**
Slovak Journal of Civil Engineering 23 (2), 9-18, 2015 | 2015 | Cited: 14
410. **RELIABILITY BASED ANALYSIS OF BEARING CAPACITY OF FOOTINGS ON SOFT SOIL STRENGTHENED BY STONE**
Global Journal of Engineering Science and Research Management 2 (12), 31-49., 2015 | 2015 | Cited: 3
411. **Strength Improvement of Soft Soil Treated Using Stone Columns**
Engineering and Technology Journal 33 (8), 1740-1756., 2015 | 2015 | Cited: 10
412. **Effect of embedment depth on response of machine foundation on saturated sand**
Arabian Journal for Science and Engineering 40, 3075-3098, 2015 | 2015 | Cited: 47
413. **Effect of Expansive Subgrade Soil on Reinforced Subbase Layer**
University of Technology - Iraq, 2015 | 2015 | Cited: 4
414. **Wetting and drying collapse behaviour of collapsible gypseous soils treated by grouting**
Arabian Journal of Geosciences 8, 2035-2049, 2015 | 2015 | Cited: 51

415. **Al-Saidi, and Maher M**
Jaber "Characteristics of clays stabilized with lime-silica fume mix" Ital J ...; 2015 | 2015 | Cited: 2
416. **BEARING CAPACITY OF FOUNDATIONS RESTING ON A TRENCH OF LOCAL RECLAIMED ASPHALT PAVEMENT MATERIAL**
Global Journal of Engineering Science and Research Management 2 (12), 90 - 105, 2015 | 2015 | Cited: 7
417. **Characteristics of clays stabilized with lime-silica fume mix**
Italian Journal of Geosciences 134 (1), 104-113, 2015 | 2015 | Cited: 68
418. **Soil arching analysis in embankments on soft clays reinforced by stone columns**
Structural Engineering and Mechanics 56 (4), 507-534, 2015 | 2015 | Cited: 45
419. **Investigation on the behavior of conical shell foundations composed of reactive powder concrete embedded on sandy soil**
Advances in Structural Engineering 18 (11), 1859-1873, 2015 | 2015 | Cited: 10
420. **Improvement of bearing capacity of footing on soft clay grouted with lime-silica fume mix**
Geomechanics and Engineering 8 (1), 113-132, 2015 | 2015 | Cited: 58
421. **Experimental study on the effect of embedment depth of buried flexible pipe subjected to static load**
Global Journal of Engineering Science and Research Management 2 (12), 113-122, 2015 | 2015 | Cited: 8
422. **Effect of pile group geometry on bearing capacity of piled raft foundations**
Structural engineering and Mechanics 54 (5), 829-853, 2015 | 2015 | Cited: 43
423. **Experimental and theoretical studies on bearing capacity of conical shell foundations composed of reactive powder concrete**
Acta Geodynamica et Geomaterialia 12 (4), 411-426, 2015 | 2015 | Cited: 21
424. **Behavior of an earth dam during rapid drawdown of water in reservoir—case study**
International Journal of Advanced Research 3 (10), 110-122, 2015 | 2015 | Cited: 49
425. **Effect of Suction on Swelling Behavior of Unsaturated Expansive Clayey Soil**
UNIVERSITY OF TECHNOLOGY, 2015 | 2015
426. **Finite-element analysis of a piled machine foundation**
Proceedings of the Institution of Civil Engineers-Structures and Buildings ...; 2015 | 2015 | Cited: 17
427. **Dynamic Behavior of Machine Foundation Resting on Piles in a Sandy Soil**
University of Baghdad, 2015 | 2015 | Cited: 9
428. **The Behavior of Conical Shell Foundation under Dynamic Loads**
The 2 nd International Conference of Buildings, Construction and ...; 2015 | 2015 | Cited: 4
429. **Dynamic response of a lined tunnel with transmitting boundaries**
Earthquakes and Structures 8 (1), 275-304, 2015 | 2015 | Cited: 37
430. **Effect of initial water content on the properties of compacted expansive unsaturated soil**
Journal of Engineering 21 (3), 93-108, 2015 | 2015 | Cited: 10
431. **Effect of saturation of sandy soil on the displacement amplitude of soil foundation system under vibration**
Journal of Engineering 21 (2), 20-36, 2015 | 2015 | Cited: 16
432. **SEEPAGE ANALYSIS OF A ZONED EARTH DAM BY FINITE ELEMENTS**
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING AND TECHNOLOGY (IJCIET) 5 (8 ...; 2014 | 2014 | Cited: 47
433. **Numerical Methods in Geotechnical Engineering**
2014
434. **Studying collapse potential of gypseous soil treated by grouting**
Soils and Foundations 54 (3), 396-404, 2014 | 2014 | Cited: 89
435. **Consolidation Properties of Compacted Soft Soil Stabilized with Lime-Silica Fume Mix**
International Journal of Scientific and Engineering Research 5 (7), 1675-1682., 2014 | 2014 | Cited: 52
436. **Resonance frequency of machine foundations resting on saturated sands**
International Conference Civil Engineering for Sustainability and Resilience ...; 2014 | 2014 | Cited: 1
437. **STRESS AND PORE WATER PRESSURE CHANGES IN PARTIALLY SATURATED SOILS UNDER STRIP FOOTINGS**
International Conference for Engineering Sciences— University of ...; 2014 | 2014 | Cited: 1

438. **Finite Element Analysis of Machine Foundation Resting on End Bearing Piles**
Engineering and Technology Journal University of Technology 32, 132-153, 2014 | 2014 | Cited: 5
439. **Behavior of Soft Clay Strengthened by Geogrid Encased Stone Columns underneath Embankment**
International Conference for Engineering Sciences—University of Mustansiriyah, 2014 | 2014 | Cited: 3
440. **Bearing capacity of rectangular footing on sandy soil bounded by a wall**
Arabian Journal for Science and Engineering 39, 7621-7633, 2014 | 2014 | Cited: 35
441. **Numerical Analysis of Machine Foundation Resting on Saturated Sandy Soil**
Engineering and Technology Journal 32 (10), 2429-2453, 2014 | 2014 | Cited: 2
442. **Experimental Study on the Behavior of Bounded Square Footing on Sandy Soil**
Engineering and Technology Journal 32 (5), 1083-1105., 2014 | 2014 | Cited: 25
443. **Prediction of liquefaction potential and pore water pressure beneath machine foundations**
Central European Journal of Engineering 4 (3), 226-249, 2014 | 2014 | Cited: 19
444. **TRANSIENT AND STEADY STATE RESPONSE ANALYSIS OF SOIL FOUNDATION SYSTEM ACTED UPON BY VIBRATION**
University of Baghdad, 2014 | 2014 | Cited: 18
445. **Optimization of the Time Required for Determination of the Total Dissolved Salts in Soil**
Engineering and Technology Journal 32 (13), 3272-3283., 2014 | 2014 | Cited: 2
446. **Prediction of Coefficient of permeability of Unsaturated soil**
Journal of Engineering 20 (2), 33-48, 2014 | 2014 | Cited: 6
447. **Experimental and Numerical Modeling of Machine Foundations on a Saturated Soil**
8th European Conference on Numerical Methods in Geotechnical Engineering, 2014 | 2014 | Cited: 7
448. **Behavior of Single Pile in Unsaturated Clayey Soils**
Engineering and Technology Journal, University of Technology 32 (No. 3), 763-787, 2014 | 2014 | Cited: 26
449. **Contribution to Long Term Performance of Piled Raft Foundation in Clayey Soil**
International Journal of Civil Engineering and Technology (IJCIET) 5 (7), 2014 | 2014 | Cited: 20
450. **Behavior of plate on elastic foundation under Impact load**
Engineering and Technology Journal 32 (4), 1007-1027, 2014 | 2014 | Cited: 13
451. **Effect of Cavity in Sandy Soil on Load Distribution of Pile Group**
Engineering and Technology Journal 32 (No. 7), 1733-1751, 2014 | 2014 | Cited: 7
452. **Fatigue Cracking Performance of Local Superpave Asphalt Concrete Mixtures**
Engineering and Technology Journal 32 (12), 2904-2920, 2014 | 2014 | Cited: 5
453. **The Behavior of Bounded Foundations on Sandy Soil: Bounded Shallow Foundations on Iraqi Sandy Soil with Different Densities**
LAP LAMBERT Academic Publishing, 2014 | 2014 | Cited: 5
454. **A model for removing sediments from open channels**
International Journal of Physical Science 9, 61-70, 2014 | 2014 | Cited: 10
455. **Behavior of Earth Dams during Rapid Drawdown of Reservoir**
University of Technology - Iraq, 2014 | 2014
456. **Modification of pinhole apparatus for identification and classification of dispersive clay soils**
Journal of Engineering and Sustainable Development 18 (6), 181-201, 2014 | 2014 | Cited: 9
457. **An experimental analysis of embankment on stone columns**
Journal of Engineering 20 (07), 62-84, 2014 | 2014 | Cited: 13
458. **Plugging of Closed and Open-Ended Pipe Piles in Sand**
2014
459. **Treatment of collapse of gypseous soils by grouting**
Proceedings of the Institution of Civil Engineers-Ground Improvement 166 (1), 2013 | 2013 | Cited: 46
460. **Bearing capacity of pile group and piled raft foundations on sandy soil**
Journal of Engineering and Sustainable Development 17 (2), 64-96, 2013 | 2013 | Cited: 11
461. **Effect of Hydraulic Conductivity of Unsaturated Zones on the Earth Dam Performance**
University of Baghdad, 2013 | 2013
462. **Boundary Element Analysis of Pile Groups in Sand**
2013

463. **Propagation of Plastic Zone around a Tunnel in Cohesive Soil**
The Second Scientific Engineering Conference, College of Engineering ...,, 2013 | 2013 | Cited: 5
464. **Effect of Plugging on the Load Carrying Capacity of Closed and Open Ended Pipe Piles**
University of Baghdad, 2013 | 2013 | Cited: 4
465. **Simulation of Behavior of Plate on Elastic Foundation under Impact Load by the Finite Element Method**
Engineering and Technology Journal, Special issue, 1st International ...,, 2013 | 2013 | Cited: 5
466. **AN EXPERIMENTAL AND THEORETICAL STUDY ON ORDINARY AND ENCASED STONE COLUMNS UNDERNEATH EMBANKMENT**
University of Baghdad, 2013 | 2013 | Cited: 6
467. **A PROCEDURE FOR DETERMINATION OF THE ALTERNAT MODEL PARAMETERS**
Annals of the Faculty of Engineering Hunedoara 11 (3), 297, 2013 | 2013
468. **Experimental evaluation of stress concentration ratio of model stone columns strengthened by additives**
International Journal of Physical Modelling in Geotechnics 13 (3), 79-98, 2013 | 2013 | Cited: 37
469. **Effect of salt content on total and matric suction of unsaturated soils**
European Scientific Journal 9 (9), 228-245, 2013 | 2013 | Cited: 32
470. **EXPERIMENTAL INVESTIGATION AND NUMERICAL ANALYSIS OF GEOCELL ENCASED COLUMNS IN HIGHLY EXPANSIVE SOILS**
Al-Nahrain University, 2013 | 2013 | Cited: 2
471. **Simulation of unsaturated soil behavior by the finite element method**
Int Rev Civ Eng 4 (1), 34-46, 2013 | 2013 | Cited: 4
472. **Determination of the shear strength, permeability and soil water characteristic curve of unsaturated soils from Iraq**
Journal of Earth Sciences and Geotechnical Engineering 3 (1), 97-118, 2013 | 2013 | Cited: 15
473. **Time dependent behavior of piled raft foundation in clayey soil**
Geomechanics and Engineering 5 (1), 17-36, 2013 | 2013 | Cited: 52
474. **Improvement of clayey soil characteristics using rice husk ash**
Journal of Civil Engineering and Urbanism 3 (1), 12-18, 2013 | 2013 | Cited: 175
475. **Coupled pile-soil interaction analysis in undrained condition**
Journal of Central South University 20, 1376-1383, 2013 | 2013 | Cited: 9
476. **Prediction of settlement trough induced by tunneling in cohesive ground**
Acta Geotechnica 8, 167-179, 2013 | 2013 | Cited: 72
477. **NUMERICAL ANALYSIS OF MACHINE FOUNDATION ON SATURATED SANDY SOIL**
University of Technology - Iraq, 2013 | 2013 | Cited: 4
478. **by the Finite Element Method**
2013
479. **Behavior of partially saturated cohesive soil under strip footing**
Journal of Engineering 19 (3), 298-311, 2013 | 2013 | Cited: 7
480. **Finite element analysis of Geogrid encased stone columns**
Geotechnical and Geological Engineering 30, 713-726, 2012 | 2012 | Cited: 73
481. **Finite Element Simulation of the Bearing Capacity of an Unsaturated Coarse-Grained Soil**
Iraqi Journal of Civil Engineering 8 (1), 17-28., 2012 | 2012 | Cited: 2
482. **A model for coupled dynamic elasto-plastic analysis of soils**
Journal of GeoEngineering | 2012
483. **Effect of Soil Reinforcement on Shear Strength and Settlement of Cohesive-Frictional Soil**
International Journal of GEOMATE | 2012 | Cited: 32
484. **Microstructure Characterization and Corrosion Properties of Nitrocarburized AISI 4140 Low Alloy Steel**
Journal of Materials Engineering and Performance | 2012

485. **Response to "Discussion of stress concentration ratio of model stone columns in soft clays" by Fattah, M., Shlash, K., and Al-Waily, M.**
Geotechnical Testing Journal | 2012
486. **Treatment of collapsibility of gypseous soils by dynamic compaction**
Geotechnical and Geological Engineering 30, 1369-1387, 2012 | 2012 | Cited: 43
487. **A study on the behaviour of geogrid encased capped stone columns by the finite element method**
GEOMATE Journal 3 (5), 343-350, 2012 | 2012 | Cited: 22
488. **The role of transmitting boundaries in modeling dynamic soil-structure interaction problems**
Int. J. Eng. Technol 2 (2), 23, 2012 | 2012 | Cited: 11
489. **A procedure for analysing reinforced embankments**
Arabian Journal for Science and Engineering 37, 1547-1555, 2012 | 2012 | Cited: 12
490. **Response to "Discussion of Stress Concentration Ratio of Model Stone Columns in Soft Clays" by Fattah, M., Shlash, K., and Al-Waily, M**
Geotechnical Testing Journal | 2012
491. **FINITE ELEMENT ANALYSIS OF EMBANKMENTS WITH LIGHT WEIGHT MATERIALS**
International Journal of Engineering Sciences Research-IJESR 3 (5), 763-777., 2012 | 2012 | Cited: 1
492. **Boundary element analysis of a lined tunnel problem**
International Journal of Engineering 25 (2), 89-98, 2012 | 2012 | Cited: 15
493. **Total and matric suction measurement of unsaturated soils in Baghdad region by filter paper method**
Journal of Engineering 18 (05), 611-620, 2012 | 2012 | Cited: 11
494. **Pile-clayey soil interaction analysis by boundary element method**
Journal of Rock Mechanics and Geotechnical Engineering 4 (1), 28-43, 2012 | 2012 | Cited: 14
495. **A model for coupled dynamic elastic-plastic analysis of soils**
Journal of GeoEngineering 7 (3), 000-000, 2012 | 2012 | Cited: 9
496. **DYNAMIC RESPONSES OF A ZONED EARTHDAM TO EARTHQUAKE EXCITATION**
Engineering and Development Journal 2 (Special issue), 1052-1072, 2012 | 2012 | Cited: 5
497. **Effect of change in the coefficient of permeability on consolidation characteristics of clay**
Journal of Engineering 18 (1), 20-37, 2012 | 2012 | Cited: 9
498. **Improvement of the behaviour of embankment on soft soil by stone columns**
Proceedings of the International Conference on Ground Improvement and Ground ..., 2012 | 2012 | Cited: 7
499. **Experimental observations on the behavior of a piled raft foundation**
Journal of Engineering 17 (4), 1-11, 2011 | 2011 | Cited: 27
500. **PREDICTION OF LIQUEFACTION POTENTIAL AND PORE WATER PRESSURE BENEATH FOUNDATIONS FOR DIFFERENT LOADING CONDITIONS**
University of Technology - Iraq, 2011 | 2011
501. **Experimental Study of Piled Raft Foundation Behavior on Sandy Soil**
Al-Mustansiriyah University, 2011 | 2011
502. **Research Article Effect of Reduced k_0 Zone on Time-Dependent Analysis of Tunnels**
2011
503. **DYNAMIC ANALYSIS OF A DOUBLE IMPACT TRIAXIAL TEST ON SAND BY THE FINITE ELEMENT METHOD**
International Journal of Engineering and Technology 3 (2), 151-165., 2011 | 2011 | Cited: 2
504. **Stress Concentration Ratio of Model Stone Columns in Soft Clays**
Geotechnical Testing Journal 34 (1), 61-71, 2011 | 2011 | Cited: 126
505. **Determination of the adequate thickness of granular subbase beneath foundations**
Engineering and Technology Journal 29 (9), 1845-1869, 2011 | 2011 | Cited: 3
506. **Hydrocompression settlement and collapse of gypseous soils**
Proceedings 1, 300-308, 2011 | 2011 | Cited: 5
507. **Long term behavior of a retaining wall resting on clayey soil**
International Journal of the Physical Sciences <http://www.aademicjournals.com> ..., 2011 | 2011 | Cited: 9

508. **Dynamic analysis of foundations on saturated clay using an energy absorbing layer**
Engineering and Technology Journal 29 (11), 2189-201, 2011 | 2011 | Cited: 8
509. **Numerical simulation of triaxial test in clayey soil using different constitutive relations**
Advanced Materials Research 243, 2973-2977, 2011 | 2011 | Cited: 8
510. **Effect of Reduced k_0 Zone on Time-Dependent Analysis of Tunnels**
Advances in Civil Engineering 2011, 1-12, 2011 | 2011 | Cited: 16
511. **Comparative study on earth pressure distribution behind retaining walls subjected to line loads**
Scientific Research and Essays 6 (11), 2228-2244, 2011 | 2011 | Cited: 21
512. **Settlement trough due to tunneling in cohesive ground**
Indian Geotech. J 41 (2), 64-75, 2011 | 2011 | Cited: 29
513. **Effect of reduced k_0 zone on time-dependent analysis of tunnels**
Advances in Civil Engineering | 2011
514. **Long term behaviour of a retaining wall resting on clayey soil**
International Journal of Physical Sciences | 2011
515. **A NEW MAPPED INFINITE ELEMENT FOR DYNAMIC ANALYSIS OF SOIL-STRUCTURE INTERACTION PROBLEMS**
Diyala Journal of Engineering Sciences, 327-355., 2010 | 2010 | Cited: 4
516. **Numerical investigation on reinforcement requirement for piles embedded in clay**
Scientific Research and Essays 5 (18), 2731-2741, 2010 | 2010 | Cited: 2
517. **Propagation of Liquefaction Zones Due to Earthquake Excitation in a Zoned Earthdam**
the 2nd Regional Conference for Engineering Sciences./College. of Eng./Al ... , 2010 | 2010 | Cited: 3
518. **THEORETICAL SIMULATION OF STRESS-STRAIN RELATIONS FOR SOME IRAQI CLAYS USING THE ENDOCHRONIC MODEL**
Journal of Engineering 16 (2), 5000 – 5020., 2010 | 2010
519. **Investigation on the use of micropiles for substitution of defected piles by the finite element method**
Journal of Engineering 16 (3), 2010 | 2010 | Cited: 11
520. **Effect of Earthquake on Earthfill Dams (Khassa Chai Dam as Case Study)**
2010 | Cited: 3
521. **Improvement of soft clays by end bearing stone columns encased with geogrids**
Diyala Journal of Engineering Sciences, 310-326, 2010 | 2010 | Cited: 7
522. **INVESTIGATION OF STRESS CHANGES IN EMBANKMENT ON SOFT CLAY BY THE FINITE ELEMENT METHOD**
The 2nd Regional Conference for Engineering Sciences. /College. of Eng. / Al ... , 2010 | 2010
523. **Complex variable solution of elastic tunneling problems**
International Journal of the Physical Sciences 5 (13), 1999-2013, 2010 | 2010 | Cited: 9
524. **Evaluation of some geotechnical properties and liquefaction potential from seismic parameters**
Iraqi Journal of Civil Engineering 6 (3), 30-45, 2010 | 2010 | Cited: 16
525. **A treatment of expansive soil using different additives**
Acta Montanistica Slovaca 15 (4), 290, 2010 | 2010 | Cited: 77
526. **Analysis of soil media containing cavities or tunnels by the boundary element method**
JOURNAL OF ENGINEERING & APPLIED SCIENCES, 27, 2010 | 2010 | Cited: 3
527. **Analysis of the performance of flexible pavement under the effect of wheel and thermal loads**
Eng Technol J 28 (18), 5782-802, 2010 | 2010 | Cited: 8
528. **TIME- DEPENDENT ANALYSIS OF PILED RAFT FOUNDATION**
University of Baghdad, 2010 | 2010
529. **Experimental and Numerical Investigations of Foundation Vibrations**
Ph. D. Thesis, Building and Construction Engineering Department, University ... , 2010 | 2010 | Cited: 3
530. **Three-dimensional finite element analysis of a trial embankment**
The International Conference on Civil and Architecture Engineering 8 (8th ... , 2010 | 2010 | Cited: 3
531. **RELIABILITY-BASED DESIGN PROCEDURE OF AXIALLY LOADED PILES**
Journal of Engineering 16 (1), 4462-4477, 2010 | 2010 | Cited: 9

532. **Comparison of ferritic and austenitic plasma nitriding and nitrocarburizing behavior of AISI 4140 low alloy steel**
Materials & Design | 2010
533. **Analysis of strip footings resting on reinforced granular trench by the finite element method**
International Journal of Geotechnical Engineering 4 (4), 471-482, 2010 | 2010 | Cited: 30
534. **A PROPOSED PROCEDURE FOR ANALYSING REINFORCED EMBANKMENTS**
The International Conference on Civil and Architecture Engineering 8 (8th ..., 2010 | 2010
535. **Artificial Neural Networks Analysis of Treatment Process of Gypseous Soils**
Engineering and Technology Journal 27 (9), 1811-1832., 2009 | 2009 | Cited: 8
536. **Behaviour of encased floating stone columns**
Engineering and Technology Journal 27 (7), 1404-1421, 2009 | 2009 | Cited: 10
537. **Anspruch und Realität von Ludwig Hoffmanns Kommunalarchitektur**
2009 | Cited: 2
538. **Consolidation characteristics of unsaturated soil**
Engineering and Technical Journal 27 (10), 2027e46, 2009 | 2009 | Cited: 6
539. **Boundary element analysis of capped pile groups**
Engineering and Technology Journal 27 (11), 2, 2009 | 2009 | Cited: 1
540. **Finite element analysis of reinforced earth walls**
Journal of Engineering and Sustainable Development 13 (3), 87-108, 2009 | 2009 | Cited: 6
541. **Dynamic Analysis of Al-Adhaim Zoned Earthdam**
Engineering and Technology Journal 27 (8), 1582 – 1610., 2009 | 2009 | Cited: 5
542. **Finite Element Analysis of Embankments on Soft Clays-Case Studies**
Journal of Engineering 15 (1), 2009 | 2009 | Cited: 2
543. **Time Dependent Analysis of Tunnels Using The Finite Element Method**
Engineering and Technology Journal 27 (1), 2009 | 2009 | Cited: 2
544. **Experimental and numerical investigations of dissolution of gypsum in gypsiferrous Iraqi soils**
Proceedings of the 17th International Conference on Soil Mechanics and ..., 2009 | 2009 | Cited: 11
545. **Laboratory investigation on efficiency of model stone column groups**
Eng. Tech. J 27 (9), 1673-1690, 2009 | 2009 | Cited: 7
546. **Analysis of Retaining Wall Subjected to Earthquake Loading**
Kirkuk University Journal-Scientific Studies 3 (1), 1-20, 2008 | 2008 | Cited: 2
547. **A Comparative Study of Different Constitutive Relations of Soil in Modelling Shallow Tunnels**
The 12th International Conference of International Association for Computer ..., 2008 | 2008 | Cited: 2
548. **Effect of soil consistency on flow characteristics of acids through cohesive soils**
Engineering and Technology Journal 26 (10), 2008 | 2008 | Cited: 1
549. **Modelling The Behaviour Of Sand Under Strain-Controlled Loading BY The Finite Element Method**
Engineering and Technology Journal 26 (2), 2008 | 2008
550. **THE USE OF ACRYLATE IN GROUTING SOME IRAQI GYPSEOUS SOILS**
University of Technology - Iraq, 2008 | 2008 | Cited: 10
551. **The Responce of Tunnels to Earthquake Excitations**
7th European Conference on Structural Dynamics (EURODYN 2008), at the ..., 2008 | 2008 | Cited: 7
552. **Evaluation Of The Method Of Stress Characteristics For Estimation Of The Soil Bearing Capacity**
Eng & Technology 26 (10), 1184-1197, 2008 | 2008 | Cited: 3
553. **Dynamic Analysis Of Soil-Structure Interaction Problems Considering Infinite Boundaries**
Engineering and Technology Journal 26 (7), 725-746.®, 2008 | 2008 | Cited: 5
554. **Long -Term Behavior of a Gypseous Soil**
Engineering and Technology Journal 26 (12), 1461-1483, 2008 | 2008 | Cited: 44
555. **THE BOUNDARY ELEMENT METHOD VERSUS THE FINITE ELEMENT METHOD FOR SOLVING TWO-DIMENSIONAL CONTINUUM PROBLEMS**
Engineering and Technology Journal 25 (2), 132 – 152., 2007 | 2007
556. **DESIGN CHARTS FOR MACHINE FOUNDATIONS**
Journal of Engineering 13 (4), 1940-1960., 2007 | 2007 | Cited: 11

557. **SEEPAGE ANALYSIS OF EARTH DAMS BY FINITE ELEMENTS**
University of Kufa, 2007 | 2007 | Cited: 18
558. **Design and Implementation of Computer Aided System for Quality Improvement Inspection and Testing For Boiler In Thermal Electric Power Station**
Journal of Engineering 13 (02), 1354-1367, 2007 | 2007
559. **EFFECTIVE STRESS FINITE ELEMENT ANALYSIS OF PILE-SOIL INTERACTION PROBLEMS**
Journal of Engineering 13 (1), 1327-1341., 2007 | 2007
560. **Comparative Experiments between Conventional and Quick One-Dimensional Consolidation Tests**
Proceedings of the 4th Jordanian Civil Engineering Conference, 101-108, 2006 | 2006 | Cited: 1
561. **Field and Laboratory Evaluation of A Soft Clay Southern Iraq**
Proceedings of the 4th Jordanian Civil Engineering Conference, 109-116, 2006 | 2006 | Cited: 21
562. **TIME-DEPENDENT ANALYSIS OF TUNNELS IN CLAYS USING THE FINITE ELEMENT METHOD**
University of Technology - Iraq, 2006 | 2006 | Cited: 2
563. **The active zone for heave of expansive soils**
Proceedings of the 4th Jordanian Civil Engineering Conference 28, 30, 2006 | 2006 | Cited: 11
564. **Determination of Depth of Placement of Tunnels and Cavities by the Boundary Element Method**
Journal of Engineering 12 (1), 2006 | 2006
565. **Back Analysis of Staged Embankment on Very Soft Clay**
Proceedings of the 4th Jordanian Civil Engineering Conference 28, 30, 2006 | 2006 | Cited: 1
566. **Duplex treatment of plasma nitriding and plasma oxidation of plain carbon steel**
Vacuum | 2005
567. **Effect of Loads on the Stability of Cohesive Slopes in Undrained Condition**
Journal of Engineering 11 (1), 2005 | 2005 | Cited: 1
568. **Effect of Initial Stress Anisotropy on the Cyclic Behaviour of Sand**
Engineering and Technology Journal 24 (5), 472-498, 2005 | 2005 | Cited: 4
569. **SEISMIC CONDITIOT {S IN BAGHDAD REGION ANI) EVALUATION OF SETSMIC DESIGN FORCES**
Journal of Engineering 10 (3), 399-412, 2004 | 2004 | Cited: 5
570. **A COUPLED DYNAMIC FINITE ELEMENT ANALYSIS OF SATURATED SANDS**
Journal of Engineering 10 (1), 50-63, 2004 | 2004
571. **The behaviour of batter piles under uplift loads**
Int Conf Geotech Eng 7, 105-14, 2004 | 2004 | Cited: 32
572. **Solution of two-dimensional steady-state flow field problems by the boundary element method**
Journal of Engineering and Technology 23 (12), 750, 2004 | 2004 | Cited: 21
573. **Reinforcement Requirements in Bored Piles Based on Finite Element Analysis**
International Conference on Geotechnical Engineering, University of Sharjah ..., 2004 | 2004 | Cited: 1
574. **A Coupled Dynamic Finite Element Analysis of an Impact Falling Weight Triaxial Test on Sand Using the ALTERNAT Model**
International Conference on Geotechnical Engineering, University of Sharjah ..., 2004 | 2004
575. **Non-Linear Dynamic Finite Element Analysis of Cantilever Retaining Walls**
International Conference on Geotechnical Engineering, University of Sharjah ..., 2004 | 2004 | Cited: 3
576. **Stability analysis of slopes using a double sliding model**
Journal of Engineering 9 (02), 265-275, 2003 | 2003 | Cited: 5
577. **SLOP STABILITY OF EMBANKMENTS BY THE FINITE ELEMENT METHOD**
Journal of Engineering 9 (01), 63-70, 2003 | 2003
578. **STABILITY OF UNREINFORCED AND REINFORCED EMBANKMENTS ON SOFT SOILS**
Proceedings of the Fifth Scientific Conference of the College of Engineering ..., 2003 | 2003
579. **Experimental and Theoretical Study by the Finite Element on Horizontal Anchors in Sandy Soil**
the Journal of the Arab Universities Associations and the Engineering ..., 2003 | 2003
580. **Swelling analysis of Al-Mosul expansive soil**
5th scientific conference of the College of Engineering, University of ..., 2003 | 2003 | Cited: 5

581. **SEISMIC CONDITIONS IN ARBIL REGION WITH EMPHASIS ON EVALUATION OF SEISMIC DESIGN FORCES**
5th Scientific Conference, College of Engineering, University of Baghdad 1, 2003 | 2003
582. **BATTER PILES UNDER INCLINED COMPRESSIVE LOADS**
Journal of Engineering 8 (03), 289-301, 2002 | 2002 | Cited: 3
583. **Penetration Resistance and Shear Strength of Cohesive Soils**
Scientific Journal of Tikrit University, Engineering Sciences 9 (2), 22-34, 2002 | 2002
584. **In–Situ Determination of the Properties of Gypseous Soils**
Iraqi Journal for Civil Engineering 1 (2), 177 – 193., 2001 | 2001
585. **The Choice of the Best Section of Irrigation Channels for Stability Requirements**
Journal of Water Resources. 19 (1), 9-24., 2000 | 2000
586. **An Elasto-Plastic Coupled Dynamic Finite Element Analysis of an Impact Falling Weight Triaxial Test on Sands**
Journal of Engineering. 19 (8), 65-95., 2000 | 2000
587. **The Non-linear Dynamic Behaviour of Soil**
University of Baghdad, 1999 | 1999
588. **The Non-linear Dynamic Behaviour of Soils**
University of Baghdad, 1999 | 1999 | Cited: 15
589. **Behaviour of Enlarged Base Piles under the Effect of Inclined Loading**
Journal of Engineering 5 (2), 65-79, 1999 | 1999
590. **Implementation of Finite Element Method for Prediction of Soil Liquefaction Around Underground Structure**
Journal of Engineering and Technology, University of Technology 31 (4), 703-714, 213 | 213 | Cited: 3
591. **AM ASCE, Bushra S. Zabar and Hanan A. Hassan.(2016).“Experimental Analysis of Embankment on Ordinary and Encased Stone Columns.”**
International Journal of Geomechanics,© ASCE, ISSN, 1532-3641, 0 | 0 | Cited: 3
592. **A model for variation with time of**
0
593. **Mohammed Y. Fattah, Yousif J. Al-Shakarchi & Maysam Th. Al-Hadidi**
0
594. **Soil Plug in Open Ended Pipe Piles Embedded in Sand Mohammed Y. Fattah (Wissam HS Al-Sudani (2)**
0
595. **Effect of Reduced Zone on Time-Dependent Analysis of Tunnels**
Advances in Civil Engineering 2011, 0 | 0
596. **Total and Matric Suction in Unsaturated Soil with the Existence of Different Salts Content**
0
597. **MJ, 2010. Stress Concentration Ratio of Model Stone Columns in Soft Clays**
Geotechnical Testing Journal 34 (1), 1-11, 0 | 0
598. **Case Studies in Construction Materials**
0
599. **Shaft Resistance of Single Pile in Unsaturated Clayey Soils**
0
600. **Improvement of Bearing Capacity of Footings on Soft Clay by Partial Soil Replacement Technique**
0
601. **Seismic analysis methods adopted for buildings design in Iraq: A review**
0 | Cited: 1
602. **Mohammed Y. Fattah, Kais T. Shlash & Husham A. Mohammed**
0
603. **Modelling The Behaviour Of Sand Under Strain-Controlled Loading BY The Finite Element Method Omar al-Farouk S. al-Damluji Mohammed Yousif Fattah**
0