

CURRICULUM VITAE

Name: Dr. Mohammed Yousif Fattah

Date & Place of Birth : 18-1-1968, Iraq - Baghdad

Nationality : Iraqi

Work Address : Civil Engineering Department, University of Technology, Baghdad-Iraq.

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Academic Qualifications:-

Ph.D. Degree in Geotechnical Engineering, University of Baghdad, College of Engineering, 1999.

M.Sc. Degree in Geotechnical Engineering, University of Baghdad, College of Engineering, 1996.

B.Sc. Degree in Civil Engineering, University of Baghdad, College of Engineering, 1988-1989.

Professor at Building and Construction Engineering Department, University of Technology since 2010.

Assistant Professor at Building and Construction Engineering Department, University of Technology 2005 - 2010.

Head of Roads and Bridges Branch in the Building and Construction Engineering Department, University of Technology 2006 – 2014.

Head of Scientific Promotion Committee of the Building and Construction Engineering Department 2014 – Now.

Member of Scientific Promotion Committee of the University of Technology 2014 – Now.

Head of Roads and Bridges Branch in the Building and Construction Engineering Department, University of Technology 2016 – Now.

Membership of Scientific or Professional Associations:

- Member of the Iraqi Society of Soil Mechanics and Foundation Engineering.
- Member of the International Society of Soil Mechanics and Geotechnical Engineering, Membership No. IRQ090011.
- Affiliate Member of the American Society of Civil Engineers, ASCE, ID # 422001.
- Member of the European Association for Structural Dynamics (EASD).

- Web of Science ResearcherID C-9518-2014

Academic Research work and publications:

- M.Sc. Thesis:
(Stability of Irrigation Channels and Drains Constructed on Soft Clays – Southern Iraq).
- Ph.D. Thesis:
(The Non-Linear Dynamic Behaviour of Soil).
- More than (260) papers in International and Iraqi Scientific Journals, in addition to papers published in International Conferences.
- Supervisor for 52 M.Sc. theses and 25 Ph.D. theses in Geotechnical Engineering, Structural Engineering, Transportation Engineering and Water Resources.
- Supervisor for students in different universities including:
1 Ph.D. student in Old Dominions University / Virginia, USA.
1 M.Sc. student in Peter the Great St. Petersburg / Polytechnic University Russia.
2 M.Sc. students in Malaysia.

Patents:

1. "Treatment of Collapse of Gypseous Soils by Grouting with Acrylate", Patent No. 3353, E02D3/00, November, 1, 2011, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
2. "A Practical Method for Analysis of Machine Foundations Constructed on Saturated Sandy Soil", Patent No. 3403, E02D33/00, June, 25, 2012, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
3. "Strain Controlled System for Applying Loads for Testing Geotechnical Models", Patent No. 3730, G01011/00 E02D1/02, December, 17, 2013, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
4. "A New Method for Improvement of Pipe Pile Performance through Restriction of End Closing at Determined Distances", Patent No. 4232, E02D7/28, June, 10, 2015, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.

5. "A Mechanical Apparatus to Simulate the Standard Compaction Apparatus for Soils", Patent No. 4474, E02D3/02, February, 18, 2016, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
6. "Protection of Steel Reinforcement against Corrosion by Coating with Pressurized Rubber", Patent No. 4624, E04C5/00 C23F13/02, June, 29, 2016, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
7. "A system for Simulation of the Earthquake Loading on Structures with Emphasis on Geotechnical Elements", Patent No. 4736, G01M7/04, November, 8, 2016, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
8. "Locally Manufactured Geogrids from Recycled Pressurized Rubber for Geotechnical Applications", Patent No. 5129, E02D1/00, E02D3/00, November, 15, 2017, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
9. "Development of Gyrotory Compactor for Determination of the Stability of Asphalt Pavement Layers", Patent No. 5177, E01C19/02, December, 19, 2017, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
10. "A New Technique for Production and Construction of Steel Piles with Gates", Patent No. 5354, E02D17/04, May 2, 2018, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.
11. "Apparatus for Cyclic Loading of Soil with Measurement of Soil Shear Strength at any Stage of Loading", Patent No. 5466, E02D1/00, August 29, 2018, The Central Committee for Standardization and Quality Control, Baghdad, Iraq.

12. " Modified Multi-stage Stress Relaxation Test Apparatus in Clayey Soils",
Patent No. 5952, G01L1/00, October, 28, 2019, The Central Committee for
Standardization and Quality Control, Baghdad, Iraq.

Published Books

1. Construction of Hydraulic Structures, by Mohammed Y. Fattah, Hassan Ali Omran, and Jaafar Sadeq Maatooq, University of Technology, Baghdad – Iraq, 2018.
2. Iraqi Seismic Code, I.B.C. 303, Ali M. Al-Athari, Hussein K. Jarallah, Mohammed Y. Fattah, Mohammed M. Rasheed, Ammar, M. Shakir, 2017, Ministry of Reconstruction and Housing Iraq, first edition.
3. Load Transfer of Pile Group in Saturated and Unsaturated Clayey Soil, by Abbas M. Khallawi, Mohammed Y. Fattah, Raid R. Al-Omari, 2017, Lap Lambert Academic publishing, Deutschland, Germany.
4. Transportation Engineering, by Mohammed Y. Fattah, Raid A. Hassan, Mohammed Y. Taha, and Abbas H. Abbas, first edition, 20013 (in Arabic), Adnan Publishing company, Baghdad, Iraq.
5. The Behavior of Bounded Foundations on Sandy Soil, by Husham A. M. Al-Janabi, Kais T. Shlash and Mohammed Y. Fattah, 2014, Lap Lambert Academic publishing, Deutschland, Germany.
6. Plugging of Closed and Open-ended Pipe Piles in Sands, Wissam H. Shijhait and Mohammed Y. Fattah, 2014, Lap Lambert Academic publishing, Deutschland, Germany.
7. Iraqi Code for Foundations and Retaining Walls, I.B.C. 302, Husam A. Ahmed, Makki J. Al-Waily, Mohammed Y. Fattah, 2015, Ministry of Reconstruction and Housing Iraq, first edition.

Awards & achievements

- World Champion 2019 in Earth Science, International Agency for Standards and Ratings, Division for Certification and Accreditation.
- Association of Iraqi Engineers Award – The Second Iraqi Engineer Day (March 2017).
- Arab Creative Award (Technical Creative) 2016 - The Arab Thought Foundation Organization.
- CCE2014 Gold Medal for the invention "STABILIZATION OF FINE-GRAINED SOILS-WITH LIME-SILICA FUME MIX" in CCE 2014, Conference Competition Exhibition National Level held on 24h - 25th June 2014 at, Polileknik Seberang Perai, Pulau Pinang, Malaysia.
- Award: First top professor of Building and Construction Engineering Department of the University of Technology, Iraq.
- Award: International publications (>3) during year 2012- Ministry of Higher Education and Scientific Research, Iraq.

Referee for International Journals

- Arabian Journal of Geosciences, Springer.
- Indian Geotechnical Journal, Springer.
- Computational Geomechanics.
- International Journal of Computational Methods.
- International Journal of Engineering.
- International Journal of Physical Sciences.
- Journal of Civil Engineering and Management
- Journal of Rock Mechanics and Geotechnical Engineering– Elsevier.
- Journal of Engineering and Manufacturing Technology (JEMT)
- Neural Computing and Applications
- Soils and Foundations, Elsevier
- Tunneling and Underground Space Technology – Elsevier.
- Geomechanics and Engineering, An International Journal, Techno press, Korea.
- Marine Georesources & Geotechnology, Taylor & Francis.
- International Journal for Civil Engineering, Springer.
- Geotechnical and Geological Engineering, Springer.
- Road Materials and Pavement Design, Taylor & Francis.

- Journal of Engineering Science & Technology
- International Journal of Earth Sciences & Engineering –IJEE
- Measurement Journal – Elsevier
- Advances in Materials Science and Engineering
- Earth Sciences Research Journal
- American Journal of Civil Engineering and Architecture.
- European Journal of Environmental and Civil Engineering, Taylor & Francis.
- Bulletin of Engineering Geology and the Environment, Springer.
- Engineering Science and Technology an International Journal – Elsevier.
- Geosynthetics International – Institution of Civil Engineers, UK.
- Geotechnical Testing Journal, ASTM.
- Earthquakes and Structures, An International Journal, Techno press, Korea.
- Ships and Offshore Structures, Taylor & Francis.
- Environmental Earth Sciences, Springer.
- Journal of Asian Earth Sciences, Elsevier.
- Innovative Infrastructure Solutions, Springer.
- Building and Environment, Elsevier.
- International Journal of Technology (IJTech).
- Construction and Building Materials, Elsevier.
- Arid Land Research and Management.
- Computational Particle Mechanics, Springer.
- International Journal of Pavement Research and Technology, Elsevier.
- Acta Geotechnica Slovenica.
- Journal of Earthquake Engineering, Taylor & Francis.
- SN Applied Sciences, Springer.
- Advances in Civil Engineering, Hindawi Publishing.
- Geomechanics and Geoengineering: An International Journal, Taylor & Francis.
- Heliyon, Elsevier.
- Journal of Hydrology, Elsevier.
- Journal of Structural Integrity and Maintenance, Taylor & Francis.
- Archives of Agronomy and Soil Science, Taylor & Francis.
- International Journal of Physical Modelling in Geotechnics, Institution of Civil Engineers, UK.
- Shock and Vibration, Hindawi Publishing.
- Earthquake Engineering and Engineering Vibration, Springer.
- World Journal of Engineering
- Frontiers in Built Environment

- Journal of Engineering and Technological Sciences
- Ingeniería e Investigación Journal.
- Frontiers in Earth Science, section Earth and Planetary Materials.
- Journal of Testing and Evaluation, ASTM.
- Tikrit Journal of Engineering Sciences (TJES)
- Canadian Geotechnical Journal.
- Applied Ocean Research, Elsevier.
- Mathematical Problems in Engineering, Hindawi Publishing.
- Geotechnique, Institution of Civil Engineers, UK.
- Transportation Infrastructure Geotechnology, Springer.
- Sedimentary Geology.
- Journal of Cleaner Production, Elsevier.
- Ocean Engineering, Elsevier.
- Studia Geotechnica et Mechanica.
- Canadian Journal of Civil Engineering.

Interesting Topics:

- Soil Dynamics – Pile Foundations – Soil Improvement - Finite Elements.
- Lecturer of Advanced topics for post-graduate students in Civil Engineering Dept., University of Baghdad and Building and Construction Engineering Dept., University of Technology:
 - 1- Finite Elements
 - 2- Advanced Soil Mechanics
 - 3- Soil Dynamics
 - 4- Soil Improvement
 - 5- Earth Structures
 - 6- Site Investigations
 - 7- Slope Stability
 - 8- Models of Soil Behaviour
 - 9- Foundation Dynamics
 - 10- Transportation Geotechnics