**CURRICULUM VITAE**

**Omer Muhie Eldeen Taha**

**B.Sc., M.Sc. (Iraq), Ph.D (Malaysia)**



**SEPTEMBER 2019**

# A. PERSONAL BIODATA

## 

## A.1 Personal Particulars

|  |  |
| --- | --- |
| **Full Name:**  **Citizenship:** | Omer Muhie Eldeen Taha  Iraqi |
| **Passport No:** | A10228526 |
| **Field of Specializations:** | Civil Engineering, Geotechnical Engineering |
| **Date of Birth:** | 1st January 1982 |
| **Contact Information**  **E-mail:**  **Mobile No.**  **Corresponding Address:** | [omartaha82@gmail.com](mailto:omartaha82@gmail.com)  [omer.muhie@uokirkuk.edu.](mailto:omartaha82@gmail.com)iq  009647512465900  009647722415834  Department of Civil Engineering, Kirkuk University, Kirkuk, Iraq |

## A.2 Current Employment

Lecturer

Department of Civil Engineering,

Faculty of Engineering,

Kirkuk University,

Kirkuk, Iraq

## A.3 Employment History

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| --- |
| 1. Lecturer (2015 -2017)   Department of Civil Engineering,  Faculty of Engineering,  Ishik University,  Erbil, Iraq   1. Consultant Engineer (2014 - 2015)   Bunyan Engineering Consulting Bureau  40 street, Erbil, Iraq     1. Lecturer (2007 - 2010) Department of Civil Engineering Faculty of Engineering University of Tikrit, Iraq 2. Geotechnical Engineer (2006 - 2007)   (Site Invesitation and Lab. Testing)  in Engineering Consulting Bureau,  University of Tikrit, Iraq   1. Construction engineer (2005-2006)   (planning and execution two projects)  Adil Ali Hamad Company, Tikrit, Iraq  **A.4 Previous administrative appointment**   1. Coordinator (2008-2010) Department of Civil Engineering Faculty of Engineering University of Tikrit, Iraq 2. Consultant (2007 - 2010)   (Geotechnical Engineering)  in Engineering Consulting Bureau,  University of Tikrit, Iraq |

## A.4 Software Skills

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Software | Poor | Medium | Good | V. Good | Professional |
| Word | - | - | - | - | ✓ |
| Excel | - | - | - | - | ✓ |
| PowerPoint | - | - | - | - | ✓ |
| Autocad | - | - | ✓ | - | - |
| Autocad  (Structural Drawing) | - | - | - | ✓ | - |
| Matlab | - | - | ✓ | - | - |
| Sigmaplot | - | - | - | ✓ | - |
| Spss | - | - | - | ✓ | - |

## A.5 Languages Proficiency

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| LANGUAGES | SPOKEN | | | WRITTEN | | |
| Fluent | Medium | Not fluent | Good | Medium | Poor |
| 8 - 10 | 5 - 9 | 1 - 4 | 8 - 10 | 5 - 9 | 1 - 4 |
| ENGLISH | ✓ | - | - | ✓ | - | - |
| ARABIC | ✓ | - | - | ✓ | - | - |
| Melayu | - | ✓ | - | - | - | ✓ |
| OTHERS | - | - | - | - | - | - |

1. **EDUCATION AND ACADEMIC QUALIFICATIONS**

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| --- | --- |
|  | 1. Ph.D (Geotechnical Engineering)   National University of Malaysia  Bangi, Selangor, Malaysia  (2010 - 2014)   1. M.Sc. (Geotechnical Engineering)  University of Tikrit [Tikrit](http://en.wikipedia.org/wiki/Strasbourg), Saladdin, Iraq   (2004 – 2007)   1. Bachelor of Science (Civil Engineering) University of Tikrit Tikrit, Saladdin, Iraq (2000 – 2003) |

1. **RESEARCH INTERESTS**

* Soil Improvement and Soil Stabilization.
* Neural Network Modeling of Soil Mechanical Properties.
* Properties of Soil-Nanomaterial Mixture.

1. **RESEARCH EXPERIENCE**

***Doctoral Researcher***

Department of Civil and Structural Engineering, UKM University, Malaysia

Research advisor: Prof. Dr. Mohd Raihan Taha

* Influence of nano-material on the expansive and shrinkage soil behavior
* Cracks in soils related to desiccation and treatment
* Crack control of landfill liner and cap materials using nano-alumina powder
* Investigation on Hydraulic Conductivity and Desiccation Crack Behavior of Compacted Soil-Nano Alumina Mixture.
* Experimental study on the expansive-shrinkage of residual soil mixed with nanoclay

**Graduate Researcher**

Department of Civil Engineering, Tikrit University, Iraq

Research advisor: Dr. Ahmed A. Alobaidi

* Effect of liquid asphalt on the engineering properties of gypseous soils

1. **TEACHING EXPERIENCE**

**2017 – Present Instructor, Department of Civil Engineering, Kirkuk University**

**Course title:** Calculus II, MATLAB Software, Computer Programming

**2015 – 2017 Instructor, Department of Civil Engineering, Ishik University**

**Course title:** Soil Mechanics, Geology, Statistics, Computer Aided Design (AutoCAD), Foundation Engineering.

**2007 – 2010 Instructor,** **Department of Civil Engineering, University of Tikrit**

**Course title:** Calculus I, Calculus II

**2006 – 2007 Teaching Assistant, University of Tikrit**

**Course title:** Soil Mechanics Lab., Transportation Lab

**Supervision**

**2017 – Present Undergraduate Research Projects,** Department of Civil Engineering, Kirkuk University

* Effect of clay content on the Linear soil shrinkage.
* Modelling of Max. Dry Density by ANN Method.

**2015-2016 Undergraduate Research Projects,** Department of Civil Engineering, Ishik University

* Effect of bentonite on compaction characteristics of sandy soils.

**2007-2010 Undergraduate Research Projects,** Department of Civil Engineering, University of Tikrit

* Design of machinery foundation
* Calculating soil bearing capacity using visual basic.

1. **PROFESSIONAL AND ACADEMIC ACTIVITIES**

**Seminars:**

## “Application of nanomaterial in civil engineering”, Seminar Presented at Ishik University, Erbil, Iraq.

## “Building bibliographies and managing citations with Mendeley”, Seminar Presented at Ishik University, Erbil, Iraq.

## “Open Researcher and Contributor ID (ORCID)”, Seminar Presented at Ishik University, Erbil, Iraq.

## “Earth Crust and Tectonic System”, Seminar Presented at Ishik University, Erbil, Iraq.

## “Application of Nanomaterial in Civil Engineering”, Seminar Presented at Ishik University, Erbil, Iraq.

**Reviewer for Academic Journals:**

* Geotechnical and Geological Engineering.
* Acta Geotechnica Slovenica.
* Jurnal Teknologi.

**Other Activities**

* Conference Chair Session of the 2nd International Engineering Conference on Developments in Civil and Computer Engineering Applications (IEC 2016), Erbil, Iraq.
* Member of the organizing committee of the 2nd International Engineering Conference on Developments in Civil and Computer Engineering Applications (IEC 2016), Erbil, Iraq.
* Member of the organizing committee of the International Conference on Engineering and Built Environment 2012 (ICEBE-2012), Selangor, Malaysia.
* Member of Engineering Postgraduate Student Committee (EPSC-2012), at UKM University, Selangor, Malaysia.

1. **AWARDS**

* Commendation Award (2015) from Faculty of Engineering, Ishik University.
* Commendation Award (2012) from Faculty of Engineering and Built Environment, UKM University.

1. **MEMBERSHIP**

* Kurdistan Engineering Union (ID. 15349), 2015
* Iraqi Engineering Union, 2004
* Mendeley Advisor, 2015

1. **SCIENTIFIC PUBLICATIONS**

**Peer-Reviewed Journal Articles**

1. **Omer Muhie Eldeen Taha**, Zaid Hameed Majeed, Sarah Mustafa Ahmed (2018). Artificial Neural Network Prediction Models for Maximum Dry Density and Optimum Moisture Content of Stabilized Soils. Transportation Infrastructure Geotechnology, 5(2), 146-168. https://doi.org/10.1007/s40515-018-0053-2
2. Sarah Mustafa Ahmed, Mohd Raihan Taha, **Omer Muhie Eldeen Taha** (2017). Kinetics and isotherms of dichlorodiphenyltrichloroethane (DDT) adsorption using soil–zeolite mixture. Nanotechnology for Environmental Engineering, 3(1), 4.
3. Mohammed Tareq Shukri, Junaid Kameran Ahmed, **Omer Muhie** (2017). Experimental Study of Local Scour Downstream of Cylindrical Bridge Piers. Jordan Journal of Civil Engineering, 11(3), 363-372.
4. **Taha, O. M. E.**, & Taha, M. R. (2016). Soil-water characteristic curves and hydraulic conductivity of nanomaterial-soil-bentonite mixtures. Arabian Journal of Geosciences, 9(1), 1-14. [12]. DOI: 10.1007/s12517-015-2038-6.
5. **Taha O. M. E.** and M. R. Taha, (2015). Volume Change and Hydraulic Conductivity of Soil-Bentonite Mixture. *Jordan Journal of Civil Engineering*, vol.9, no.1, pp. 43-58.
6. **Taha O.M.E.** and Taha M.R. (2012) Influence of nano-material on the expansive and shrinkage soil behavior. *Journal of Nanoparticle Research,* vol.14, no. 10, pp.1-13.
7. **Taha, O.M.E.** and Taha, M.R. (2011) Cracks in Soils Related to Desiccation and Treatment. Australian Journal of Basic and Applied science, 1080-1089.
8. Mohammed Y. Taha, Ahmed A.H.Al-Obaydi, and **Omar M.E.Taha**, (2008). The Use of Liquid Asphalt to Improve Gypseous Soils. Mosul, Journal of Al-Rafidain Engineering, vol. 16, No.4, pp.38-48.

**Peer-Reviewed Conference Papers**

1. **Taha, O. M. E.**, Ahmed, J. K., Ali, B. H., and Taraq, M. (2016). Use of Plastic Waste in Gypseous Soil Reinforcement, Ali Kattan (Ed.), Second International Engineering Conference on Developments in Civil & Computer Engineering Applications, 44 - 52.
2. Ahmed, J. K., **Taha, O. M. E.**, Ali, B. H., and Taraq, M. (2016). The Effect of Fiber Orientation and Number of Layer on the Natural Frequency of Composite Laminated Plate, Ali Kattan (Ed.), Second International Engineering Conference on Developments in Civil & Computer Engineering Applications, 53 - 60.
3. Taha, M. R., and **Taha, O. M. E.** (2013). "Crack control of landfill liner and cap materials using nano-alumina powder." Coupled Phenomena in Environmental Geotechnics, CRC Press, 459-463.
4. Taha, M. R. and **O. M. E. Taha,** (2013). “Improvement of shrinkage and expansive soil properties using nano-copper” in the Proc. 19th NZGS Geotechnical Symposium. Ed. CY Chin, Queenstown, pp. 227-234.
5. **Taha O.M.E.**, Taha M.R. (2012) Experimental study on the expansive-shrinkage of residual soil mixed with nanoclay. Paper presented at the 5th Jordanian International Civil Engineering Conference (JICEC5), Jordan.
6. Taha M.R., **Taha O.M.E.** (2012) Investigation on Hydraulic Conductivity and Desiccation Crack Behavior of Compacted Soil-Nano Alumina Mixture. Paper presented at the 4th International Symposium on Nanotechnology in Construction, Agios Nikolaos, Crete, Greece, May 20-22.
7. **Taha, O. M.** and M. R. Taha (2011). Effect of Bentonite on Shrinkage Strain and Permeability of Ukm Residual Soil. Regional Engineering Postgraduate Conference (EPC), Selangor, Malaysia.