

## Short Curriculum Vitae

### Prof. Omer Nawaf Khaled Maaitah

Date of Birth            24/8/1968  
Marital status:        Married  
Nationality              Jordanian



#### **1-Address**

Civil Engineering Department  
Faculty of Engineering - Mutah University  
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#### **2-Academic Qualifications:**

- 1999**            PhD in Civil Engineering  
School of Arch & Civil Engineering - University of Bath  
Bath, BA2 7AY - United Kingdom  
*Thesis Title: A Theoretical and Laboratory Investigation into the Behaviour of Unsaturated Soils.*
- 1995**            MSc. in Civil Engineering/ Geotechnical Engineering/ Grade  
Very Good  
Jordan University of Science and Technology- Irbid -Jordan  
*Thesis Title: An Experimental Investigation of Vertical Vibration of Footing Model on Sand.*
- 1992**            Bachelor of Science in Civil Engineering/ Geotechnical  
Engineering/ Grade Good  
Aleppo University-Aleppo- Syria  
*Project Title: The influence of water on the shear strength.*
- 1986**            High School Certificate/Scientific Section/Grade Very Good

### **3-Administrative appoints**

1. 1 Sep. 2014-until 1Sept 2017: Member of promotion and recruitment committee - Mutah University
2. 1 Sep. 2013-until 1Sept 2017 **Dean** of faculty of Engineering - Mutah University
3. 1 Sep. 2013-until 1Sept 2017: **Head** of council board of prince Faisal for Dead Sea study centre (research centre) -Mutah university
4. 1 Sep. 2008 - 1 Sep 2012 **Head** of civil engineering department-Mutah University
5. 1 Feb. 2000 - 1 Oct. 2000 **Quality Assurance** manager in **LEMA (WATER AUTHORITY OF JORDAN)** Amman-Jordan
6. 21 Sep. 1992- 21 Sep 1993 **Site** Engineer in Ministry of Public Works and Housing.
7. Consultation for many Engineering company for Design and construction (**over 20 years**)

### **4-Teaching Experience**

#### **Academic**

1. 26 Sept. 2000 **Assistance Professor** in Civil Eng. Dept. M U
2. 6 Jun. 2007 **Associated Professor** in Civil Eng. Dept. M U
3. 3 Sept. 2008-3/sept./2009 **Associated professor** in Al-balqa applied University
4. 6 Jun. 2012 **Professor** in Civil Eng. Dept. M U
5. Part time lecturer in Israa university

#### **Training Courses**

6. 10/1993-7/1995 Teaching Assistant in Department of Civil Engineering Jordan University of Science and Technology.
7. I taught two training courses (Road Maintenance) to Engineers in Ministry of Public Works and Housing
8. I taught two training courses in surveying to Engineers in Ministry of Agriculture.

9. I taught one training course in **ISO** to Engineers in Ministry of Public Works and Housing
10. Supervisor many master student
11. Internal and external examiner for many master student

### **5-Courses Taught**

Soil Mechanics	Foundation	Retaining Structure	Soil Lab
Pavement Eng.	Survey 1	Highway Eng.	Survey 2
Traffic Eng.	Static	Transportation Eng.	Intelligent Transportation System
Surveying Lab	Numerical	Strength of Material	Computer Aided Design
Highway Lab	Eng. Skill	Traffic safety	Drawing By Computer (ATOUCAD)
Computer Skill	ISO	Construction Material	Engineering Drawing

### **6-Professional Experience**

1. Evaluating external promotion for associated and professor ranks for many universities such as Iraq and Yemen
2. Evaluating internal promotion for associated and professor ranks (MU)
3. Internal auditing for the curriculum for all engineering branches
4. External auditing for the curriculum for civil engineering
5. Head of the team in designing many master degree curriculum
6. Member in many committee in Ministry of Public Works and housing
7. Member in committee for highway Jordanian Code
8. Member in many committee in Ministry of planning ministry to establish a report about desertification and water shortage in Jordan
9. Board member for evaluating Green building competency
10. Consultant for Alurdina el ebda and Jedco
11. Contributing in Doctor for Factory programme
12. Member in many committee in Higher Education Ministry for accreditation civil Engineering programs in private universities (AAU and Zarqa Private University)
13. Referee for many Engineering Journal (Journal of Civil Engineering and Construction Technology and. Jordan Journal of Civil Engineering)

## **6-Memberships**

1. Jordan Engineering Association since 1992
2. British Geotechnical Society (BGS) since 1999
3. Arab Organisation for Human Right
4. Editorial Board of Jordan Journal of Civil Engineering

## **7- Other Qualifications**

1. 21/7/1993-22/8/1993 Diploma in AUTOCAD –Engineering Drawing by Computer, University of Mutah, Karak- Jordan
2. 1/10/ 1996-22/3/1997 Technical computer programs and computer skills, University of Bath, Civil Engineering Department, Bath, U.K
3. 1/7/1999-3/7/1999 Internal auditing, in LEMA (Water Authority of Jordan) Amman-Jordan
4. 2-4-2000-20-4-2000 extensive course in ISO in Jordanian association for quality
5. 5/6/2001-10/6/2001 Arab Human Right organisation in Jordan

## **8-Servicing Community and academic filed**

1. Consultant for traffic institute (Jordanian police force)
2. Arranging and contributing many different workshops for traffic safety In Karak for local community
3. Arranging and contributing many different workshops for Renewable Energy In Karak local community
4. Arranging and contributing many different workshops In Mutah University in different aspect of engineering and academic field
5. Arranging workshops about National qualification framework (NQF)
6. Member in Steering committee in traffic safety conference 2015
7. Member in steering committee in ITS conference in Amman A. University
8. Member in steering committee in Engineering conference in JUST
9. Consultant for Alurdina el ebda and Jedco (for the people who applied for Grant -10 project were wined)
10. Consultation for Karak Municipality (Road and building cracks)

## **9-Languages and computer skill**

1. Professional in Arabic and English
2. Professional in Computer skill and Engineering software
3. ICDL since 2007

## **10- Grant and Projects**

4. TEMPUS V Modernizing Undergraduate Renewable Energy Education: EU Experience for Jordan (MUREE) 530332-TEMPUS-1-2012-1-JO-TEMPUS-JPCR.
5. TEMPUS V -EU-EG-Jo Joint Master Programme in Intelligent Transport Systems (JOINTS) 530632-TEMPUS-1-2012-1-SE-TEMPUS-JPCR. Based on this project, the curricula of the BSc. In civil Engineering Programs was revised including new method of transportation
6. Smart Control Systems for Energy Management: New Master Degree 561703-EPP-1-2015-1-UK-EPPKA2-CBHE-JP(SEM-SEM). Based on this project a new successful master program in the system Engineering was established in 2016.
7. Promotion of Innovation Culture in the Higher Education in Jordan 561996-EPP-1- 015-1-JO-EPPKA2-CBHE-JP (Invent). Based on this project the innovation centre was established.
8. Vocational training center for undergraduate university students and teachers in Jordan (VTC)- 561708-EPP-1-2015-1-DE-EPPKA2-CBHE-JP. Based on this project the vocational centre was established in the university from 2015.
9. Development Of Environmental Engineering Courses And Injection Of Climate Change Concept For Undergraduate Curriculum (E-Green) Project Number: 573927-EPP-1-2016-1-JO-EPPKA2-CBHE-JP EGREEN. Based on this project, the curricula of the BSc. In civil Engineering Programs was revised including environmental engineering.

10. Climate change and sustainable agriculture and food safety University of Crete –Cypress (CCSAFS) Project No: 573881-EPP-1-2016-1-EL-EPPKA2-CBHE-JP
11. Fostering Academia-Industry Collaboration in Food Safety and Quality. -Erasmus+/ (JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY). Based on this project the food centre was established in the university from 2015.
12. ISO in Construction Company in Jordan-Mutah University 3000 JD
13. Fresh-energy FP7 (member in Mutah team)-Italy (Grant 2000000 Euro)
14. Applied to H2020 with others

## **11-External Relation**

1. University of Bath-UK connected with my supervisor and his research group.
2. Staffordshire University – UK -Erasmu +
3. University Of Gadanski –Boland -Erasmu +
4. University of Leipzig –Germany -Erasmu +
5. University of Linkoping –Sweden-Erasmu +
6. University of Roma –Italy -Erasmu +
7. University of Ein Shms-Egypt -Erasmu +

## **12-Publications:**

### **a. Single Author**

1. Stabilization by Chemical Agent (2012) **Omer Nawaf Maaitah** Geotechnical Geological Engineering DOI 10.1007/s10706-012-9549-7, Springer
2. Soil Improvement by Marble Stone Slurry Wastes (2012), **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal
3. Evaluation of Al-Karak Ash for Stabilization of Marl Clayey Soil (2012): **Omer Nawaf Maaitah**, [http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032 Vol. 17 [2012], Bund. G
4. Effect of Macroscopic analysis on the behaviour of unsaturated soil (2011), **Omer Nawaf Maaitah**, [http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032
5. Soil Stabilization by lime (2011) **Omer Nawaf Maaitah**, [http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032, Vol. 17 [2012], Bund. G
6. Soil-Water Characteristic Curve Model-Silty Sand Soil, (2011) **Omer Nawaf Maaitah**, Jordan Journal of Civil Engineering, Volume 6, No. 1,
7. Modelling Partially Saturated Soil 2007, **Omer Nawaf Maaitah**, Dirasat-Jordan University, Vol. 34, No. 1
8. Effect of oil contamination on properties of unsaturated soil, 2007, **Omer Nawaf Maaitah**. Sixth Alexandria International Conference on Structural and Geotechnical Engineering (AICSCE 6 April 15-17/2007. (GT-3).
9. Effect of oil contamination on properties of unsaturated soil, (2007), **Omer Nawaf Maaitah**. Sixth Alexandria International Conference on Structural and Geotechnical Engineering (AICSCE 6 April 15-17/2007. (GT-3).

10. Modeling Partially Saturated Soil (2007), **Omer Nawaf Maaitah**, Dirasat- Jordan University, Vol. 34, No. 1
11. Using Treated and Untreated Water in Compacted Soil; (2007). **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal, Vol. 22, No.3, pp 25-42.
12. Effect of gas bubble (2010) **Omer Nawaf Maaitah** ([http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032
13. Experimental verification of theoretical model of shear strength, 2005, **Omer Nawaf Maaitah**, Electronic Geotechnical Journal, ([http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032, Vol. 10, Bundle C.
14. The importance of ISO system in Jordanian industrial companies, 2004, **Omer Nawaf Maaitah**, Mansoura Engineering Journal, ISSN –1110-0141, Vol. 29, No. 1
15. Effect of pore geometry on predicting the shear strength of unsaturated soil, 2004, **Omer N. Maaitah**, Dirasat- Jordan University, Vol. 31, No. 1
16. Shear strength at low degree of saturation-theoretical study, 2002, Omer Maaitah, Abhath Al-Yarmouk, Vol. 11, No. 1A
17. Contact stress in unsaturated media, 2002 **Omer Nawaf Maaitah** Engineering Journal of Engineering, India, Vol. 12, No. 1,
18. Effect of changing in unsaturated shear strength in arid regions that causes building cracks, 2002, **Omer Nawaf Maaitah**, Urban development in Arid regions and associated problems, 2-4/ November, Ministry of public works and housing, Riyadh, Saudi Arabia
19. Geology For Civil Engineering Student (**BOOK -In Arabic Language**)

**Joint Author (First Author of Two)**

20. Management Requirements of Intelligent Transportation System in Civil Aviation – Kuwait Airport **Omer Nawaf Maaitah**, Saif E. A. Al nawayseh



and Alhasan Ahmed Jandeel., Pyrex Journal of Engineering and Manufacturing Technology Vol 2 (1) pp. 001-006 January, 2016  
<http://www.pyrexjournals.org/pjem->

21. The Achievement of Safety Management in Arab Potash Company **Omer Nawaf Maaitah** and Salloom Al-Juboori. Physical Sciences Research International Vol. 3(1), pp. 1-7, January 2015.
22. Utilization of natural and industrial mineral admixtures as cement substitutes for concrete production in Jordan." **Omer Nawaf Maaitah**, and Nafeth A. Abdel Hadi. Journal of Civil Engineering and Construction Technology 6, no. 4 (2015): 51-58.
23. Examining Travel Time At Major Arterials In Amman Using The Manual Method (Floating-Car Technique). **Omer Nawaf Maaitah**, Shaker A. Mahadin and Prof. Husam D. Alhamideh. 10th International Conference On The Role Of Engineering Towards A Better Environment Intelligent Environmental Engineering: From Vision To Action 15-17 December, 2014 Alexandria, Egypt
24. Improving Shear Strength and Other Mechanical Properties of Clayey Soil-Ash Mixtures (2012), **Omer Nawaf Maaitah**, Nafeth A. Abdel Hadi and Monther A. Abdel Hadi ([http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032 Vol. 17 [2012], Bund. I
25. Cracks in some Karak Roads Built on Unsaturated Subgrade Pakistan Journal of Applied Science, 2004. **Omer Nawaf Maaitah** & Shaker A. Mahadin, Pakistan Journal of Applied Science, Vol. 4, No.
26. Managing the treated sewage water to be reused in civil engineering works, First international conference, Gaza Strip, 2003, **Omer Nawaf Maaitah** and Sultan, A. Tarawneh
27. Effect of treated wastewater on the behavior of unsaturated soil, 2003. **Omer Nawaf Maaitah** and Sultan, A. Tarawneh, Pakistan Journal of Applied Science, Vol. 3, No. 5.

**Joint Author (Second Author of Two)**

28. Assessment of Using Cement, Zeolites and Sand in Treating Soft Clay Soil, Bassam Z. Mahasneh, **Omer Nawaf Maaitah** and Nafez AbdelHadi 5th conference, Al-zaytoneh Engineering conference (2015)

29. Evaluation Of Traffic Accidents In Jordan Shaker A. Mahadin, **Omer Nawaf Maaitah** and Husam D. Alhamideh. 10th International Conference on The Role Of Engineering Towards A Better Environment Intelligent Environmental Engineering: From Vision to Action 15-17 December, 2014 Alexandria, Egypt
30. Treated polluted soil by oil, (2011), Husam and **Omer Nawaf Maaitah** Alexandria International Engineering Journal [www.elsevier.com/locate/aej](http://www.elsevier.com/locate/aej) [www.sciencedirect.com](http://www.sciencedirect.com) 50, 105–110
31. Using Oil Shale Ash in Concrete Binder (2010) Husam Al-Hamaiedh, **Omer \_\_\_\_\_ Nawaf Maaitah**, Shaker Mahadin ([http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032 Vol. 15 [2010], Bund. F
32. Managing the treated sewage water to be reused in civil engineering works **Omer Nawaf Maaitah** and Sultan, A. Tarawneh, First International Conference, Gaza Strip 2003
33. The Impacts Of Customs Changes On Traffic Accidents In Jordan, 2002, Shaker A. Mahadin, **Omer Nawaf Maaitah** and Sultan A. Tarawneh Mansourah, Engineering Journal, Egypt, Vol. 27, No. 4,
34. An experimental investigation of vertical vibration of model footings on sand Azm S Al-Homoud, **Omar N Al-Maaitah** "Soil Dynamics and Earthquake Engineering –Elsevier- Volume 15, Issue 7, October 1996, Pages 431-445

#### 35.d. Joint Author (Third Author or More)

36. Assessment the Effect of Homogenized Soil on Soil Hydraulic Properties and Soil Water Transport, O. Mohawesha, \*, M. Janssenb, **Omer. Maaitah**, and B. Lennartzb ISSN 1064-2293, Eurasian Soil Science, 2017, Vol. 50, No. 9, pp. 1077–1085. © Pleiades Publishing, Ltd., 2017
37. Reduction of water loss in Karak Authority Distribution System Using GIS Technology. Abeer Mohammad Al-edie, Khaldoun Qtaishat, **Omer Nawaf Maaitah**. (2015) International Journal of Environment and Water ISSN 2052-3408.
38. Medical Devices Service Life Cycle Cost Management in Al Karak Hospital as a Case Study Nisreen HJ \*, Salloom AJ and **Omer Nawaf Maaitah** Industrial Engineering Systems Department, Mutah University, Jordan (2015)
39. Effect of Microscopic Observation On Unsaturated Soil Behaviour (2010). Nafi Abdel Rahman Youssef, Husam Hamideh, Shaker Mahadin, **Omer Nawaf Maaitah** [http://www.ejge.com/index\\_ejge.htm](http://www.ejge.com/index_ejge.htm)), ISSN 1089-3032, Vol. 15 [2010], Bund. M
40. Mechanical Properties of Natural Building Stone: Jordanian Building Limestone as an Example (2010), Nart Mawloud Naghoj, Nafi Abdel Rahman Youssef, and **Omer Nawaf Maaitah**. Jordan Journal of Earth and Environmental Sciences Volume 3, Number 1, June,
41. Contractor Pre-qualification-Jordan case study, 2003, Sultan Tarawneh, Abd-alkareem Al-rodan, **Omer Nawaf Maaitah**, Mutah Lil-Buhuth wad-Dirasat, Journal, Vol. 18, No.2, pp 49-64
42. Research into Marketing Service Quality Decision Making in Jordan Construction Organization, Proceeding of the 3rd international Conference (Decision Making in Urban & Civil Engineering, 6th – 8th November 2002, SOAS London, UK, ISBN number: 09043544 7 4), Sultan A. Tarawneh and Christopher Preece and **Omer Nawaf Maaitah**, Proceedings of the 3rd International
43. Research into Marketing Service Quality Decision Making in Jordan Construction Organization Sultan A. Tarawneh and Christopher Preece and **Omer Nawaf Maaitah**,\_Proceeding of the 3rd international

Conference (Decision Making in Urban & Civil Engineering, SOAS  
London, UK, ISBN number: 09043544 7 4) 6th – 8th November 2002,

### **13-Conferences attendance and contribution**

1-Traffic Safety in Jordan (steering Committee)-Traffic institute

2-Intelligent transportation System-Tempus Project- AAU (22/ 4/2016)  
 Amman

3-Transportation Engineering –Warso-Poland (3-12-to -4-12/2015), Muree -  
 Tempus Project –PSTU 2015-Amman

4-Mansur Tempus Project Jordan University 2014 Amman

5-Unsaturated soil mechanics into Practice, Napier University, Edinburgh,  
 U.K 11-13 / April/ 1997

6-Young Research Conference Civil Eng. Institute, London, U.K 23/ March/  
 1999,

7- Technical Committee For Earthquakes/ Ministry of Public Work-Jordan  
 21-24/11/2005

### **References**

1	Prof Thafer Assarierah	0791924444	President of Mutah University
2	Prof Saif Nawayseh	0795248906	International Office
3	Prof Mohammed Majalee	0796360709	Faculty of Engineering