



Curriculum Vitae of a faculty member

1. Personal information

Name	Asaad Al-Omari
Academic Degree	Lecturer
Job Title	University of Mosul-College of Engineering / Civil Eng. DEPT.
General Major	Civil Eng. – Geotechnical Civil Eng.
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2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Ph.D.	2014	Orleans University	France	Geotechnical civil Engineering
M.Sc.	2008	University of Mosul	Iraq	Soil mechanics
B.Sc.	2003	University of Mosul	Iraq	Civil Engineering

3. Experiences

Employment	Job Title	Period
Associate Engineer, Department of Civil Engineering, College of Engineering, University of Mosul	University of Mosul	2004 – 2005
Master student, Department of Civil Engineering, College of Engineering, University of Mosul.	University of Mosul	2005 – 2008
Faculty member - 2008-2011: Assistant Lecturer, Department of Civil Engineering, College of Engineering, University of Mosul. - 2014-2011: PhD student at the University of Orléans / France. - 2014 - now: Lecturer, Department of Civil Engineering, College of Engineering, University of Mosul.	University of Mosul	2008 – up to now
Member of the Iraqi Engineers Syndicate.	Engineers Syndicate	2003
Member of the Engineering Consulting Office at the College of Engineering / University of Mosul.	University of Mosul	2008 – up to now
Providing recommendations in choosing alternative materials in the maintenance work of building materials for historical buildings	University of Mosul	2014 – up to now

<p>(studying compatibility in alternative and original building materials in maintenance work)</p>		
<p>Teaching experiences</p>	<p>Under Graduate</p> <ul style="list-style-type: none"> • Mathematics I • Mathematics II • principles of geology for engineers <p>Soil Mechanics (theoretical + practical)</p> <ul style="list-style-type: none"> • Fundamentals Engineering Graduate Studies 	<p>Post-Graduate</p> <p>Fundamentals of Geotechnical Engineering</p> <p>Advanced foundations engineering</p>

4. Researches & Scientific activities

1	Effect of thermal stress, condensation and freezing–thawing action on the degradation of stones on the Castle of Chambord, France. <i>Environmental earth science</i> , (2014) 71(9), pp 3977–3989.
2	Coupled thermal-hygric characterisation of elastic behaviour for soft and porous limestone. <i>Construction and Building Materials</i> , (2014) 62, pp 28–37.
3	Hygrothermal stress and damage risk in the stones of the Castle of Chambord-France. <i>International Journal of Civil and Structural Engineering</i> , (2014) 4(3), 402–418.
4	Critical degree of saturation: A control factor of freeze-thaw damage of porous limestones at Castle of Chambord, France. <i>Engineering Geology</i> , 185, pp 71–80. Weathering of limestone on Al-Ziggurat walls in the ancient Al-Nimrud city (Iraq). <i>Environmental earth science</i> , (2015) 74, pp 609–620.
5	Weathering of limestone on Al-Ziggurat walls in the ancient Al-Nimrud city (Iraq). <i>Environmental earth science</i> , (2015) 74, pp 609–620.
6	Preliminary digital health record of limestone walls in Al-Ziggurat, Al-Nimrud city, Iraq' <i>Journal of Cultural Heritage</i> , (2015) 16, pp 737–740.
7	Thermal stress and damage risk in the stones of Al-Ziggurat in Al-Nimrud city, Iraq, <i>Journal of Cultural Heritage</i> , 37 (2019) 9–16.
8	Studying of the Gypsiferous Soil Suction Using Filter Paper Technique. <i>Al-Rafidain Engineering</i> , (2011) Vol.19 (3), 26-36.
9	Effect of Freezing-Thawing Cycles on the Physical and Mechanical Properties of Some Sedimentary Rocks Located Near Mosul City. <i>Eng. & Tech. Journal</i> , (2011) VoL.29 (16), 3388-3404.
10	Effect of disturbance and gypsum content on soil water characteristic curve. <i>Proceedings of the 2nd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering</i> , 28-30 May 2009, Near East University, Nicosia, North Cyprus, 426-433.
11	Effect of environmental conditions on the degradation of stones in the Castle of Chambord. <i>31èmes Rencontres de l'AUGC, E.N.S. Cachan</i> , (2013) 29–31 May.
12	Experimental study on the role of freezing–thawing in the degradation of stones in the Castle of Chambord. <i>Proceedings of International Conference on Built heritage, Milano, Italy</i> , (2013) pp 1352–1358.
13	Evaluation of durability/compatibility of two building stones based on their petrophysical and mechanical properties. <i>Proceeding of the International Civil Engineering & Architecture Symposium for Academicians</i> , 17-20 May 2014, Antalya TURKIYE, 188-194.
14	Characterisation of the decayed stones of Al-Ziggurat wall in Al-Nimrud city. In <i>Proceeding of the 9th international Symposium on the Conservation of Monuments in the Mediterranean Basin</i> , edited by E.N. Caner-Saltik, A, Tavukcuoglu, F. Zezza, 3-5 June 2014 Middle East Technical University Ankara-Turkey, 495-504.
15	Coupled thermal-hydraulic characterisation of strain variation for soft and porous limestone. <i>32 èmes Rencontres de l'AUGC, Polytech Orléans</i> , 4 au 6 Juin 2014.
16	Caractérisation de la dégradation des pierres de la ziggurat du site archéologique de la cité Al-Nimrud en Irak. <i>32 èmes Rencontres de l'AUGC, Polytech Orléans</i> , 4 au 6 Juin 2014.

17	The massive devastation in Al-Nimrud archaeological site: Facts and solutions (Mosul, Iraq). The first Arab conference for Restoration and Reconstruction, 9-11 October 2017, Egyptian Engineers Syndicate, Cairo, Egypt.
18	Preliminary Study for Characterizing the Bricks of Al-Hadba' Minaret, Mosul-Iraq. 13 th International Congress on Advances in Civil Engineering, 12-14 September 2018, Izmir/TURKEY.
19	دراسة سلوك منحني خاصية التربة-الماء تحت تأثير نوع التربة وظروف الرص. وقائع المؤتمر الاقليمي الثاني للعلوم الهندسية، 1-2 كانون الاول 2010، كلية الهندسة-جامعة النهرين، بغداد-العراق، 662-676.
20	Climatic condition and limestone decay in Al-Namrud monuments: Review and Discussion. IEEE conference publication, Engineering Sciences (FNCS), 2012 First National Conference for Engineering Sciences, 7-8 November, Baghdad, Iraq, DOI: 10.1109/NCES.2012.6740455.
21	Effect of gypsum content on soil-water characterization curve for clayey soils. Second Engineering Conference of the Golden Jubilee of the College of Engineering, 19-21 November 2013, Mosul, Iraq.
22	Freezing-thawing action in the deterioration of the stones of Chambord Castle. EGU General Assembly 2013, Geophysical Research Abstracts, Vol. 15, EGU2013-13620, 2013. © Author(s) 2013. CC Attribution 3.0 License. (Abstract).
23	"Assessment the stones compatibility based on salt weathering tests" ZANCO Journal of Pure and Applied Sciences, The official scientific journal of Salahaddin University-Erbil. https://zancojournals.su.edu.krd/index.php/JPAS .ISSN (print):2218-0230, ISSN (online): 2412-3986, DOI: http://dx.doi.org/10.21271/zjpas
4	From in situ investigation to FEM analysis: Application of Al-Hadba minaret foundation. 2 nd International Conference on Materials Engineering & Science (IConMEAS 2019), AIP Conf. Proc. 2213, 020132-1–020132-10; https://doi.org/10.1063/5.0000176 Published by AIP Publishing. 978-0-7354-1964-3/\$30.00
25	Al-Hadba Minaret, a Contribution in Characterizing of its Brick. Key Engineering Materials, ISSN: 1662-9795, Vol. 857, pp 48-55, © 2020 Trans Tech Publications Ltd, Switzerland
26	Characterization of building materials used in the construction of historical Al-Omariya mosque minaret in Mosul's old city, Iraq. Journal of Building Engineering, 33 (2021) 101645. https://doi.org/10.1016/j.jobbe.2020.101645 .

5. Scientific Conferences

	Conference Name	Date
1	2nd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28-30 May 2009, Near East University, Nicosia, North	2009
2	Proceedings of the Second Regional Conference for Engineering Sciences, 1-2 December 2010, Faculty of Engineering - Al-Nahrain University, Baghdad-Iraq, 662-676.	2010
3	7th INTERNATIONAL SYMPOSIUM ON EASTERN MEDITERRANEAN GEOLOGY	2010/10/22-18
4	IEEE conference publication, Engineering Sciences (FNCES), 2012 First National Conference for Engineering Sciences, 7-8 November, Baghdad, Iraq, DOI:	2012
5	31èmes Rencontres de l'AUGC, E.N.S. Cachan, 29–31 May	2013
6	International Conference on Built heritage, Milano, Italy.	2013
7	Second Engineering Conference of the Golden Jubilee of the College of Engineering, 19-21 November 2013, Mosul, Iraq	2013
8	EGU General Assembly 2013, Geophysical Research Abstracts, Vol. 15, EGU2013-13620, 2013. © Author(s) 2013. CC Attribution 3.0 License.	2013
9	International Civil Engineering & Architecture Symposium for Academicians, 17-20 May 2014, Antalya TURKIYE.	2014
10	9th international Symposium on the Conservation of Monuments in the Mediterranean Basin, edited by E.N. Caner-Saltik, A, Tavukcuoglu, F. Zezza, 3-5 June.	2014
11	32 èmes Rencontres de l'AUGC, Polytech Orléans, 4 au 6 Juin 2014.	2014
12	The first Arab conference for Restoration and Reconstruction, 9-11 October 2017 Egyptian Engineers Syndicate, Cairo, Egypt.	2017
13	13th International Congress on Advances in Civil Engineering, 12-14 September 2018, Izmir/TURKEY.	2018
14	1st International Conference on Engineering Challenges in Kurdistan Region 2018, Engineering College of Nawroz University, Duhok City, Kurdistan Region-Iraq, 5 - 6 May 2018.	5-6 May 2018
15	2nd International Conference on Materials Engineering and Science (IConMEAS 2019) September 25-26, 2019, University of Technology Baghdad – Iraq	2019
16	2nd International Conference on Engineering and Innovative Technology (SU-ICEIT-2019). April 14-16, 2019	2019
17	A scientific symposium in the Department of Architecture: Reconstruction of the city of Mosul (priorities, ambition and future vision. "Consensus in building materials in the perspective of reconstruction work for historical and archaeological buildings in the old city of Mosul".	29 Mars 2018
18	A scientific symposium in the Department of Architecture Engineering: Using Contemporary Technologies to Revive the Old City of Mosul, December 20, 2018. Participation Title: "The Digital Health Record (DHR): a modern technique in the revival of old Mosul city"	20/12/2018

19	A scientific symposium in the Department of Civil Engineering: The advantages of locally produced cement and its role in the reconstruction of the city of Mosul, 01/15/2019, post title: The Massive Destruction of the Al-Hadba Lighthouse: Facts and Solutions	15/02/2019
20	A scientific symposium in the Department of Civil Engineering and in cooperation with the Iraqi Scientific Society in Soil Mechanics and Foundation Engineering, the title of the symposium (Geotechnical Engineering and Dams: Problems and Solutions), 13-14 / 03/2019, post title: "EFFECT OF GYPSUM CONTENT ON SOIL-WATER CHARACTERISTIC CURVE FOR SOILS FROM MOSUL CITY"	13-14/03/2019

6. Training courses for faculty members .

	Training program name	Date
1	An online training course: Resource Management for Research Using Zotero Program on 04/29/2020. https://www.youtube.com/watch?v=XW7ERiWaydI	29/04/2020
2	Presenting a scientific study for the Sunni Endowment Department in Nineveh Governorate, "Building Bricks in the Minaret of the Al-Omariya Mosque"	01/10/2020
3	Presenting a scientific study to the Nineveh Antiquities and Heritage Inspectorate, "The Nimrud Archaeological Site: Facts and Solutions (Mosul, Iraq)"	01/07/2020

- Master's and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date

- Theses which he discussed

	Researcher name	Thesis title	date
	Donia Majid Yahya Saleh	Soil reinforcement and its uses in soil regression stabilization	21/06/2017

- Researches which he reviewed

	Manuscript title	Journal or conference name	Date
1	Study on Deterioration of the stone used in the Anahita Temple of Kangavar, Western Iran	Heritage Science Journal	24/02/2020
2	Elizade VARIABILITY OF SELECTED ENGINEERING PROPERTIES OF SOIL IN ELIZADE UNIVERSITY: ENGINEERING PROPERTIES OF SOIL IN ELIZADE UNIVERSITY	Algerian Journal of Engineering and Technology	30/06/2020
3	Geotechnical and other characteristics of cement-treated low plasticity clay	Soils and Rocks Journal	08/08/2020
4	Improvement of Gypseous Soils Using Mixing Technique	International Conference on Geotechnical Engineering-Iraq	21/12/2019
5	Effect of Adding Sand on Clayey Soil Compressibility	International Conference on Geotechnical Engineering-Iraq	22/12/2019
6	Treatment of Expansive Soils with Slag: A Review Study	International Conference on Geotechnical Engineering-Iraq	12/01/2020
7	Settlement Reduction of Reinforced Multi Layered Sandy Soil under Cyclic Loading of Machinery Foundation	International Conference on Geotechnical Engineering-Iraq	02/02/2020
8	Investigation of the Use of Scrap Tyres as Soil Reinforcement	International Conference on Recent Innovations in Engineering (ICRIE)	24/05/2020
9	Shear strength parameters of a project on Tanjero formation in Iraq using RMR and GSI	International Conference on Recent Innovations in Engineering (ICRIE)	21/06/2020
10	Effect of Gravel Dust and Limestone Dust on Geotechnical Properties of Clayey Soil	International Conference on Recent Innovations in Engineering (ICRIE)	24/07/2020
11	Factors Influencing the Shear Strength of Clays	1st International Conference on Engineering Science and Technology (ICEST 2020)	23/09/2020
12	Correlations between Volumetric Moisture Content and the Shearing Soil Properties at Tigris River Banks at Baghdad City	1st Conference on Science and Technology for early career researchers and postgraduate students (STEPS 2020). STEPS (Science , Technology, Engineering, Post Graduate Students) Conference in Tikrit University	29/10/2020