


Curriculum Vitae _ Dr. Safa Hussain A. Awn

Objective

To participate and have a position of responsibility in the fields of Civil Engineering (Foundation design, principles of soil mechanics, soil improvement and remedies, green technologies that enables me to utilize my skills and theoretical expertise to serve university teaching and working).

Personal Information

Academic degree:	Assistant Professor	
h – Index:	8 calculated by Google Scholar	
Birth Date & Place:	September, 15, 1971 – Iraq	
Nationality:	Iraqi	
Passport Number:	A5461869 valid until March 30, 2018	
Marital Status:	Married – Three children	
Mobile:	Iraq\+964 7706223166	
Email:	safahussain@engineering.uodiyala.edu.iq	
Website:	www.uodiyala.edu.iq	
License:	Iraqi International Driving License.	
Postal address:	Department of Civil Engineering, College of Engineering, Diyala University, Baquba City, Diyala Governorate, ZIP 32001, Iraq.	

Professional Strength and Skills

- Very effective in soil improvement and remedies for problematic soils, especially collapsible soils. Also in the analysis of special structures (retaining walls and slopes).
- Wide theoretical knowledge in most subject of civil engineering such as soil mechanics, statics, fluid flow through porous media, dams and embankments, Foundation design, site investigations,.

Educational Qualifications

- **Ph.D.** Civil Engineering 1999-2004 Building and construction Department /College of Engineering –University of Technology-Iraq. (English Curriculum)
- **Ms. C.** Civil Engineering 1999-2004 Building and construction Department /College of Engineering –University of Technology-Iraq. (English Curriculum)
- **B.Sc.** Chemical Engineering 1989-1993 Civil Engineering Department/College of Engineering – Al-Nahrain University-Iraq. (English Curriculum).

Memberships and Academic positions

- Lecturer and Senior of Foundation and Soil Engineering in the Civil Engineering Department collage of Engineering.

- Coordinator of Scientific Committee of Civil Engineering Department – Diyala University since 2012.
- Member of Promotions Committee of College of Engineering – Diyala University.
- Member of Scientific Committee of College of Engineering – Diyala University many years.
- Member of Iraqi Engineers Union (IEU) since 1993 till now.

Training and Courses

- Computer Programming Course for one month in College of Education–Computer Department – Diyala University – Iraq - 2011.
- Methods of Teaching Course for one month in College of Education– Diyala University – Iraq - 2005.
- English Language Certificate - College of Languages – Al-Nahrain University – Iraq - 1993.

Languages

- English: Written and spoken.
- Arabic: Mother tongue.

Employment History (Academic & Technical)

Diyala University – College of Engineering

(2005 – till now)

Location: Diyala – Iraq

Position: lecturer and senior in Civil Engineering Department. University of Diyala

Academic degree: Assistant Professor

Description: Teaching Foundation Engineering course for the fourth stage and site Investigation Course For Ms C students in Geotechnics, supervisor for many theses for Ms. C and Ph. D. students.

Description: Working in the Department of Research and Development to develop new tablet structures. This work gives wide experience in solving the industrial problems by using the scientific research.

Al-Muthana Airport

(1994-1996)

Location: Baghdad – Iraq

Position: Chief Chemical Engineer

Description: Production and supervision engineer in the production department of re-habitation projects for some buildings and steel structures. This responsibility gives the ability to control the production processes, arrange the work team, responsibility distribution, and equipment maintenance and give me practical skill. Also working in this field gives the ability to deal with construction specifications of different building materials, entrance and existing of materials, and how to deal such projects.

Supervision of Theses and dissertations

1. *Ultimate Shaft Resistance of Tension Pile in Gypseous Soils, 2016 – MSc thesis*, Civil Department, College of Engineering, Diyala University, Iraq.

- Effect of pile Spacing on Group Efficiency in Collapsible Soil, 2017 – MSc thesis, Civil Department, College of Engineering, Diyala University, Iraq.

Reviewer and referee

Reviewer and referee in:

- Baghdad University Journal.
- Journal of Engineering and Development.
- Diyala Journal For Engineering Science

Awards and Prizes

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Membership of journal editorial board

- Moroccan Journal of Chemistry
- Diyala Journal of Engineering Sciences.
- Iraqi Journal of Engineering

Published Research Papers

publisher	Publis hing Condit ion	Paper Name	No
Journal of Engineering and Development/ Al-Mustansiriya University VOL. 16, PART 2 JUNE 2012	منشور	IMPROVEMENT OF GYPSEOUS SOIL BY COMPACTION AND ADDITION OF CEMENT.	1
مجلة ديالى للعلوم الهندسية VOL. 4, NO.1, PP71-82, JUNE 2011	منشور	IMPROVEMENT OF GYPSEOUS SOIL BY PRE-WETTING.	2
مجلة ديالى للعلوم الهندسية VOL. 3, NO. 1, 2010 P.45-74	منشور	اختيار المشروع الامثل من ناحية نقل المواد داخل الموقع الانشائي باستخدام تقنية AHP	3
مجلة ديالى للعلوم الهندسية FIRST ENGINEERING SCIENTIFIC CONFERENCE 22-23 DECEMBER 2010 PP. 299-309	منشور	A MODIFIED COLLAPSE TEST FOR GYPSEOUS SOILS.	4
مجلة ديالى للعلوم الهندسية FIRST ENGINEERING SCIENTIFIC CONFERENCE 22-23 DECEMBER 2010 PP.286-298	منشور	EFFECT OF ACITIC ACID ON THE COMPRESSIBILITY OF GYPSEOUS SOIL.	5

Journal of Engineering and Development/ Al-Mustansiriya University Vol. 19, no. 6, November 2015 ISSN 1999-8716	مقبول النشر	EFFECT OF SOME CHEMICAL ADDITIVES ON THE BEHAVIOR OF SABKHA SOIL.	6
Diyala Journal of Eng. Science Vol.7, No.3, pp 30-46, June 2014	منشور	BEHAVIOR OF CALCARIOUS SOIL SUBJECTED TO OIL DERIVATIVES.	7
Journal of Engineering and Development/ Al-Mustansiriya University , Vol.18, No.6, November 2014, ISSN 1813-7822	منشور	SIMULATION OF LATERAL EARTH STRUCTURE RESTING ON GYPSEOUS SOIL.	8
Diyala Journal of Eng. Science Vol.7, No.3, pp 1-24, 2014 September 2014 -مجلة ديالى للعلوم الهندسيه	منشور	BEHAVIOR OF RETAINING WALL FOUNDED ON COLLAPSABLE SOIL-A PROTOTYPE LABORATORY STUDY	9
Journal of Engineering and Development/ Al-Mustansiriya University Vol. 19, No. 2, march 2015	منشور	EFFECT OF SOIL NAILING ON SOME PROBLEMATIC SOILS	10
Special publishing Journal for Diyala Journal of Eng. Science SECOND ENGINEERING SCIENTIFIC CONFERENCE 2015 Diyala University	منشور	STABILIZATION OF SALINE SOILS USING DIFFERENT TREATMENT TECHNIQUES.	11
-continued	ضمن الخطة 2017	Determination of salinity content of soils by electrical methods	*13
قبول نشر في مجلة الهندسه والتتميه المستدامه الجامعة المستنصرية	ضمن الخطة 2017	EFFECT OF BURNING CYCLES ON THE ATTERBERG LIMIT OF CLAY	*14
Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. No. January	-2016	Numerical Modeling of Retaining Wall	15

2017 ISSN 0046-5828	2017	Resting on Expansive Soil	
Continued work-	2017	PROPERTIES OF SOME PROBLEMATIC Diyala SOILS	16
Third Engineering Science Conference for Diyala University	2017	Pullout capacity of single pile in gypseous soil	17
International journal of Engineering trend of technology volum X SSUE Y	2017	Pullout capacity of piles in collapsible soil	18
-Southeast Asian Geotechnical Society Journal قبول نشر	2017	Geotechnical Aspects of Infrastructure Projects in Gypseous Soils	19
Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. No. January 2017 ISSN 0046-5828	2017	Numerical Modeling of Retaining Wall Resting on Expansive Soil	20
Civil Engineering Journal Vol. 5, No. 2, February, 2019	2019	Effect of Pile Spacing on Group Efficiency in Gypseous soil	21

Conferences

No	Conference	Paper title	Proceeding or journal name
1	First Scientific Conference in Engineering Sciences, Dailya University, College of Engineering, Dec. 22-23, 2010. Iraq.	Application of Tow Theoretical Models to Corrosion Process of Metals in Hydrochloric Acid	Diyala Journal for Engineering Sciences, special issue.
2	First Scientific Conference of College of Material Engineering, Babylon University, Dec. 28-29, 2010. Iraq.	Statistical Analysis for the Corrosion of Stainless Steel Alloys in Presence of Potassium Iodide as Corrosion Inhibitor in Acidic Media	The Iraqi Journal for Mechanical and Materials Engineering, special issue (B), pp. 184 – 187, 2012.
3	12 th Scientific Conference – Foundation of Technical Education, March, 27 – 28, 2011.	Mass Transfer Correction factor for Corrosion Inhibition of Copper - Nickel Alloy in HCl Acid	Paper published in special proceeding
4	Second Scientific Conference, College of Sciences, Dailya University, College of Sciences, April 19 -20, 2011.	Application of Some Non-ideal Adsorption Isotherm Models to Corrosion Inhibitor-Metal System	Paper published in special proceeding

5	First Scientific Conference on Modern Technologies in Oil and Gas Refining, April 25 – 27, 2011	Determination of Efficiency and Thermodynamics Parameters of Corrosion Inhibition of Low Carbon Steel in Phosphoric Acid	Paper published in special proceeding
6	First Scientific Conference Materials Engineering Department, LASIR institute and University of Technology, March 19 – 20, 2012	Performance of Copper-Nickel Alloy in Inhibited Hydrochloric Acid	Paper published in special proceeding
7	The First National conference for Engineering Sciences, November 7-8, 2012	Mathematical Models for Prediction of Corrosion Inhibition Rates of Steel in Acidic Media	Paper published in The First National conference for Engineering Sciences Proceeding, pp. 227 – 230, College of Engineering, AL-Nahrain University, Iraq. IEEE proceeding.
8	Second Scientific Conference in Engineering Sciences, Dailya University, College of Engineering, Dec. 16-17, 2015. Iraq.	<ol style="list-style-type: none"> 1. Study the Economical and Optimum Thermal Insulation Thickness of Building Walls for Energy Saving In Iraq. 2. Effect of Hot Corrosion on Boilers Pipes In North Baghdad Electric Power Plant Station. 	Diyala Journal for Engineering Sciences, special issue.

Conferences:









No	conference	Paper name	publisher
1	المؤتمر العلمي الاول للعلوم الهندسية، كلية الهندسة، جامعة ديالى، كانون الاول، 22-23، 2010.	A MODIFIED COLLAPSE TEST FOR GYPSEOUS SOILS.	Diyala Journal for Engineering Sciences, special issue.
2	المؤتمر العلمي الاول لقسم هندسة المواد، معهد الليزر و الجامعة التكنولوجية، آذار، 2012، 20 – 19.	حضور	Paper published in special proceeding
3	المؤتمر الوطني الاول للعلوم الهندسية، تشرين الثاني، 7 – 8، 2012.	حضور	Paper published in The First National conference for Engineering Sciences Proceeding, pp. 227 – 230, College of Engineering, AL-Nahrain University, Iraq.

4	المؤتمر العلمي الاول للعلوم الهندسية, كلية الهندسة, جامعة ديالى, كانون الاول, 22-23, 2010	EFFECT OF ACITIC ACID ON THE COMPRESSIBILITY OF GYPSEOUS SOIL.	Diyala Journal for Engineering Sciences, special issue.
5	المؤتمر العلمي الثاني للعلوم الهندسية, كلية الهندسة, جامعة ديالى, كانون الاول, 16-17, 2015	STABILIZATION OF SALINE SOILS USING DIFFERENT TREATMENT TECHNIQUES.	Diyala Journal for Engineering Sciences, special issue.

Published Books , workshops, public lectures

No	عنوان الندوة او الحلقة النقاشيه	Date
Meeting place	2013/4/9 collage of engineering building	9/4/2013
		Problematic Soils and Remedies المشاكل الهندسية للترب ومعالجاتها
Meeting place	Building of the Engineering Collage/Diyala University	April 2017
	ندوه علميه	سد الموصل المشاكل والمعالجات
Meeting place	Building of the Engineering collage/Diyala University/	16/4/2016
		Soil exploration الفحوصات الحقلية
workshop	/ Building of the Engineering collage/Diyala University/17/4/2017	
		Al-Mousil Dam Problems and Remedies

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Google Scholar 	https://scholar.google.com/citations?user=eBEjrQYAAAAJ
Linkedin 	https://www.linkedin.com/in/safa-hussain-785561140/
Facebook 	https://www.facebook.com/
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