

Curriculum Vitae



Name: **Yousif Ismael Mawlood**

Home address: Zanko Q/ Erbil /Kurdistan Region /Iraq

University lecturer in Civil Engineering (Assist. prof.)

General specialization: **Civil Engineering**

Specific specialization: **Geotechnical Engineering**

(Soil Mechanics and Foundation Engineering)

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Nationality

Iraqi

PROFILE

Yousif Ismael Mawlood was born in Kirkuk-Iraq on 01-12-1968. His residential address is Zanko_99 Q/ Erbil /Kurdistan Region / Iraq. He received the **BSc degree** in **Civil Engineering** during years 1987/1988 to 1990/1991 at **Salahaddin University-Erbil**, he received the **M.Sc. degree** in Civil Engineering/ **Geotechnical Engineering** (Soil Mechanics and Foundation Engineering) during the years 1997 to 2000 in **Salahaddin University-Erbil**, and he received the PhD degree in **Geotechnical Engineering** (Soil Mechanics and Foundation Engineering) during the years 2015 to 2020 in **Salahaddin University-Erbil**.

He obtained the academic title " **Assistant lecturer**" on 30-09-2000, "lecturer" on 30-07-2007. and **Assist. Prof. 16-2-2015**. Since October 2000, he has been with the University of Salahaddin – College of Engineering –Civil Department, where he is currently a Lecturer in the Civil Engineering Department.

A summary of the teaching courses offered by the teacher;

1. Ground improvement, PhD course, 2020-2021
2. Ground improvement, MSc course, 2020-2021
3. underground investigation, Diploma course, 2020-2021
4. Retaining Structure, MSc course, 2020-2021
5. Foundation Engineering, Diploma course, 2020-2022, Coya University
6. Soil Mechanics 3rd year/ 7 years theory and practical
7. Foundation Engineering 4th / 3 year
8. Introduction to Civil Engineering, 2nd year / 2020-2021
9. Computer Application Design software (ETABS and SAFE) programs, 4th year for 2 years / 2015-2017
10. Engineering Geology /2 years.

11. Methods of construction and Estimation, 4th year for 3 years / 2017-2018, and 2021
12. Engineering Drawing 1st year /3 years
13. Mathematics-II 2nd year / 5 years
14. Water supply and Sewerage 4th year / 2 years
15. Computer Programming (C++) and numerical analysis 2nd /2 years
16. Building materials and tests lab / 2 years as demonstrator
17. Concrete technology lab/ 4 years as demonstrator

EXPERIENCE

Relevant experience (from most recent)

- Design piled raft foundation of a 45-story building in Erbil City
- Design piled raft foundation of a 6-story building in a Basra City Hospital
- Design anti-slide pile to resist excavation of 18 m in depth
- Checking allowable bearing capacity of single and combined footing of a two -story building via site investigation and laboratory test results.
- Checking allowable bearing capacity of mat foundation of a twelve - story building via site investigation and laboratory test results.
- Checking structural design of a multi-story building by ETABS program
- Checking structural design of mat foundation of a multi-story building by SAFE program
- Checking allowable bearing capacity of mat foundation of a multi-story building by SAFE program
- Teaching different engineering software such as ETABS 2016, SAFE 2016, Geo-structure 2015, Foundation Pro. And drawing details by AutoCAD 2017

SCIENTIFIC AND ACADEMIC COMMITTEES PARTAKEN

1. Member of soil investigation team in the civil engineering department for most of the works done in the Engineering Consulting Bureau since 2000 and the connector between Eng. college and Dar-Al-handsa for soil investigation of New Zanko Campus /phase-2.
2. Member of Final Examination committee/ 9 years. Head and member of semester Examination committee several years
3. Assignments and posts: [Assistant of Head of Civil Eng. Department / 6 year](#)

Knowledge in required field

Foundation Design- Soil Investigation - Design of structures and foundations by ETABS 2016, SAFE 2016, Geo-structure 2015, and Foundation pro. And drawing details by AutoCAD 2018

From

- 2000 - till now -Supervisor laboratory tests and Writing of the Site Investigation Reports of more than 60 Cities and Towns in Iraq.
- 2001 -2003 - Giving lectures in **Engineering Drawing** and **Soil Mechanics**, for undergraduate students at Salahaddin University-Erbil and Erbil Technical Institution.
- 2003 -2010 - Giving lectures in **Mathematics (Calculus II)** and **Computer Applications and Numerical Methods**, for undergraduate students at Salahaddin University-Erbil.
- 2010 -2014 - Employment as a **Geotechnical Engineering** in a site investigation firm (Anderia Lab) Geotechnical Engineering
- 2013 -2014 - Consultant in Engineering Bureau of college of Engineering /Salahaddin University.
- Field plate load Test of New Zanko Campus,
 - Modern teaching campus, etc.,
 - Supervision of site investigation of New campus of Salahaddin University/ Phase two
 - Three Times Training courses in ETABS and SAFE software for Engineers
- 2014 -2015 - Giving lectures in **Methods of Const. & Estimation, Soil Mechanics**, for undergraduate at Salahaddin University-Erbil, Koya University, Shaqlawa Technical Institution and Erbil Technical Institution.
- 2015 -2016 - Giving lectures in **Computer Applications Design Software** and **Soil Mechanics**, for undergraduate students at Salahaddin University-Erbil and Civil Engineering Department Shaqlawa Technical Institution respectively.
- 2016 -2017 - Giving lectures in **subsurface investigation and Instrumentation** and **Computer Applications Design Software**, for postgraduate and undergraduate students at Salahaddin University-Erbil, Civil Engineering Department.
- 2017 -2018 - Giving lectures in **Ground (Soil) Improvements**, for postgraduate students at Salahaddin University-Erbil, Civil Engineering Department.
- Giving lectures in **Soil mechanics** and **Foundation Engineering** for undergraduate students at Cihan University-Erbil, Civil Engineering Department. And **Methods of construction and Estimation** for undergraduate students at Salahaddin University-Erbil, Civil Engineering Department.
- 2018 -2019 - Giving lectures in **Methods of construction and Estimation** for undergraduate students at Salahaddin University-Erbil, Civil Engineering Department.

2019-2020

- Giving lectures in **Soil mechanics** and **Soil-Structure Interaction Design and Computer Application** for undergraduate students at Salahaddin University-Erbil, Water Resource and Civil Engineering Department, respectively. Supervision for site investigation and checking bearing capacity for two-story building and a twelve-story building in Erbil City

2020-2021

- Giving lectures in **introduction to Civil Engineering** and **Methods of construction and Estimation** for undergraduate students at Salahaddin University-Erbil. Ground improvement, PhD course, Ground improvement, MSc course, underground investigation, Diploma course, Retaining Structure, MSc course, Foundation Engineering, Diploma course, 2020-202, Coya University.

QUALIFICATIONS AND SKILLS

1. Language

Name of language	Reading and Writing	Conservation
Kurdish	Very Good	Very Good
Arabic	Very Good	Very Good
English	Very Good	Good

2. Training courses

Name of course	Duration	Place
Method of teaching	28 days	Erbil
Auto-CAD	30 days	Erbil
English Language Course	5 Weeks	University of Salahaddin /College of Arts / English Dep.
The summer Intensive English Program	10 Weeks	Millennium English Language Instruction in Kurdistan
English Conversation Course	3 Months	University of Salahaddin /Cultural & Social Center & Language Centre

Pre-advanced English Course	6 weeks	University of Salahaddin /Cultural & Social Center & Language Centre
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3. SKILLS

I have skills for the following computer application:

1. Design Software; **ETABS 2018**, **SAFE 2016**, Geo-Structure 2015 for design and analysis of concrete and steel towers, Columns, Beams, Shear Walls, slabs for concrete and Steel Structures, Single footing, combined footing, mat foundation, Flat Slab, waffle Slab, Ribbed Slab.
2. **AutoCAD 2018** for drawing and design.
3. Applications for the Microsoft Office Programs, Word, Exile, and Power point and presentations, and operating system applications.
4. Internet application and writing correctly and effectively with communication skills, Emails, social sits

Membership in Local and International Scientific Bodies:

1. Kurdistan Engineering Union
2. Cultural Center of University of Salahaddin

Title of thesis \ researches

Title of thesis \ researches	the internet link of the publication	Publishing place	Volume	Date
1. Improvement of Arbil Brick Products	https://www.researchgate.net/publication/289857768_IMPROVEMENT_OF_ARBIL_BRICK_PRODUCTS	Zanco Journal of Pure and Applied Sciences	18	No. 3, 2006
2. Straw Stabilized Local Clay Bricks	https://www.researchgate.net/publication/289857770_STRAW_STABILIZED_LOCAL_CLAY_BRICKS	Zanco Journal of Pure and Applied Sciences	19	No. 2, 2007
3. Sun-Baked Stabilized Soil Blocks for Building	https://www.researchgate.net/publication/289857774_Sun-Baked_Stabilized_soil_blocks_for_Buildings			
4. Effect of Drying Methods and Sand Additive on Shrinkage Cracks of an Expansive Soil	https://www.researchgate.net/publication/289857868_Effect_of_Drying_Methods_and_Sand_Additive_on_Shrinkage_Cracks_of_an_Expansive_Soil	Zanco Journal of Pure and Applied Sciences	22	No. 4, 2011

5. Analytical Study of Stability of Gabion Walls	https://www.researchgate.net/publication/289857945_Analytical_Study_for_Stability_of_Gabion_Walls	Zanco Journal of Pure and Applied Sciences	22	No. 5, 2011
6. An Experimental Investigation to Produce Bricks from Local Soils for Rehabilitation and Revitalization of Erbil Citadel Buildings	https://www.academia.edu/7986756/An_Experimental_Investigation_to_Produce_Bricks_from_Local_Soils_for_Rehabilitation_And_Revitalization_of_Erbil_Citadel_Buildings	4th International Scientific Conference of Salahaddin University-Erbil	October 18-20, 2011	SU-ERBIL 2011
7. Control of Cracks due to Drying Shrinkage of an Expansive Soil Using Different Drying Mechanisms and Filler Additive	http://zancojournals.su.edu.krd/index.php/JPAS/article/view/139	Zanco Journal of Pure and Applied Sciences	27	12 February 2015
8. Contamination valuation of soil and groundwater source at anaerobic municipal solid waste landfill site	https://link.springer.com/article/10.1007/s10661-015-4971-y	Environmental Monitoring and Assessment	187:755	17 November 2015
9. Soil and Municipal Solid Waste Leachate Characterization at Anaerobic Landfill Site	https://www.researchgate.net/publication/305636918_Soil_and_Municipal_Solid_Waste_Leachate_Characterization_at_Erbil_Anaerobic_Landfill_Site	Zanco Journal of Pure and Applied Sciences	Vol 28	No. 3 2016
10. Reversible and irreversible deformations of expansive clays	https://www.icevirtuallibrary.com/doi/abs/10.1680/jgeen.18.00236	Proceedings of the Institution of Civil Engineers – Geotechnical Engineering	https://doi.org/10.1680/jgeen.18.00236	February 11, 2019
11. Statistical Analysis of Municipal Solid Waste Landfill Leachate Characteristics in Different Countries	http://dx.doi.org/10.21271/ZJPAS.30.6.8	ZANCO Journal of Pure and Applied Sciences	Vol. 30 (6); 85-96	ZJPAS (2018),
12. Using waste glass powder for stabilizing high-plasticity clay in Erbil city-Iraq	https://www.tandfonline.com/doi/full/10.1080/19386362.2019.1647644	International Journal of Geotechnical Engineering	DOI: 10.1080/19386362.2019.1647644	July 2019
13. Large-Scale Model Swelling Potential of Expansive Soils in Comparison with Oedometer Swelling Methods	http://link.springer.com/article/10.1007/s40996-019-00307-6	Iranian Journal of Science and Technology, Transactions of Civil Engineering	https://doi.org/10.1007/s40996-019-00307-6	03 September 2019
14. Swelling pressures and size effect correlations of expansive soils	https://doi.org/10.1080/02533839.2020.1777202	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	https://doi.org/10.1080/02533839.2020.1777202	24, Jun. 2020

<p>15. Improving the geotechnical properties of high expansive clay using limestone powder</p>	<p>https://www.springerprofessional.de/en/improving-the-geotechnical-properties-of-high-expansive-clay-usi/18372414</p>	<p>Innovative Infrastructure Solutions</p>	<p>https://doi.org/10.1007/s41062-020-00366-z</p>	<p>Issue 3/2020</p>
<p>16. Effect of Fixed-Base and Soil Structure Interaction on the Dynamic Responses of Steel Structures</p>	<p>https://www.researchgate.net/publication/344450389_Effect_of_Fixed-Base_and_Soil_Structure_Interaction_on_the_Dynamic_Responses_of_Steel_Structures</p>	<p>International Journal of Emerging Trends in Engineering Research</p>	<p>https://doi.org/10.30534/ijeter/2020/223892020</p>	<p>Volume 8. No. 9, September 2020</p>
<p>17. Correlation of Shear Wave Velocity With SPT-N for a Tower building Site at Erbil City</p>	<p>https://journal.uod.ac/index.php/uodjournal/article/view/928</p>	<p>The Journal of Duhok University</p>	<p>https://doi.org/10.26682/csjuod.2020.23.2.19</p>	<p>Vol. 23 No. 2 (2020)</p>
<p>18. Study of In-Situ and Laboratory Hydraulic Conductivity of Contaminated Soil with Oily Waste Water</p>	<p>https://journal.uod.ac/index.php/uodjournal/article/view/975</p>	<p>The Journal of Duhok University</p>	<p>https://doi.org/10.26682/csjuod.2020.23.2.58</p>	<p>Vol. 23 No. 2 (2020)</p>
<p>19. Comparison of artificial neural network (ANN) and linear regression modeling with residual errors to predict the unconfined compressive strength and compression index for Erbil City soils, Kurdistan-Iraq</p>	<p>https://link.springer.com/article/10.1007/s12517-021-06712-4</p>	<p>Arabian Journal of Geosciences</p>	<p>https://doi.org/10.1007/s12517-021-06712-4</p>	<p>14, Article number : 485 (2021)</p>