



Academic Curriculum Vitae

Personal Information:

Full Name: Yousif Ismael Mawlood

Academic Title: [Professor](#)

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Education:

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**.

Employment:

He obtained the academic title " [Assistant lecturer](#)" on 30-09-2000, and "[lecturer](#)" on 30-07-2007. [Assist. Prof.](#) 16-2-2015, [Professor.](#) 14-5-2021. Since October 2000, he has been with the University of Salahaddin – College of Engineering –Civil Department as a lecturer in the Civil Engineering Department, on 12 11 2023 he was [appointed as the head of the Department](#) of Civil Engineering at Salahaddin University-Erbil.

Qualifications

- **Teaching qualifications**
- **Geotechnical Engineering** (Soil Mechanics and Foundation Engineering)
- **IT qualifications**

I have skills for the following computer application:

- Computer Programming (C++) and numerical analysis 2nd /2 years
- 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.
- **AutoCAD 2018** for drawing and design.

- Applications for the Microsoft Office Programs, Word, Exile, and Power point and presentations, and operating system applications.
- Internet application and writing correctly and effectively with communication skills, Emails, social sits

- **Language qualifications such as TOEFL, IELTS or any equivalent**

No	Test Type	Score	Note
i	ILETS	5.5	24/9/2018
ii	English Conversation		English language course at the Salahaddin University-Erbil/Cultural & Social Center in Cooperation with Language Center from 15 th January to 15 th April 2017
iii	Techniques of ILETS Skills		Preparation course of ILETS/ Language Center/ Salahaddin University from 5 th May to 16 th Jun 2018
iv	Tips and Techniques Maximize your ILETS Score		Preparation course of ILETS/ College of Basic Education/ Salahaddin University from 29 th July- 2 th August 2018

- **Any professional qualification**

- Head and member of dissertation and thesis discussion committee for several students in Geotechnical and environmental disciplines.
- Member of soil investigation team and writing soil investigation reports in the civil engineering department for most of the works done in the Engineering Consulting Bureau since 2000
- Member of Final Examination committee/ 9 years. Head and member of semester Examination committee several years

- **You could put any professional courses you have attended**

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
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

Teaching experience:

- Rock mechanics for MSc students' course, 2023-2024
- Ground improvement Techniques, MSc and PhD course, 2020-2021, 2023-2024
- Site investigation, MSc and Diploma course, 2020-2021, 2023-2024
- Retaining Structure, MSc course, 2020-2021
- Foundation Engineering, Diploma course, 2020-2022, Coya University

- Soil dynamics MSc course, 2020-2022, Coya University

- Soil Mechanics 3rd year/ 7 years theory and practical

- Foundation Engineering 4th / 3 year

- Introduction to Civil Engineering, 2nd year / 2020-2021

- Computer Application Design software (ETABS and SAFE) programs, 4th year for 2 years / 2015-2017

- Engineering Geology /3 years.

- Methods of construction and Estimation, 4th year for 3 years / 2017-2018, and 2021

- Engineering Drawing 1st year /3 years

- Mathematics-II 2nd year / 5 years

- Water supply and Sewerage 4th year / 2 years

- Computer Programming (C⁺⁺) and numerical analysis 2nd /2 years

Research and publications

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 <u>IMPROVEMENT OF ARBIL BRICK PRODUCTS</u>	Zanco Journal of Pure and Applied Sciences	18	No. 3, 2006
2. Straw Stabilized Local Clay Bricks	https://www.researchgate.net/publication/289857770 <u>STRAW STABILIZED LOCAL CLAY BRICKS</u>	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 <u>Sun- Baked Stabilized soil blocks for Buildings</u>			
4. Effect of Drying Methods and Sand Additive on Shrinkage Cracks of an Expansive Soil	https://www.researchgate.net/publication/289857868 <u>Effect of Drying Methods and Sand Additive on Shrinkage Cracks of an Expansive Soil</u>	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 <u>Analytical Study for Stability of Gabion Walls</u>	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 <u>An Experimental Investigation to Produce Bricks from Local Soils for Rehabilitation And Revitalization of Erbil Citadel Buildings</u>	4th International Scientific Conference of Salahaddin	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	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 <u>Soil and Municipal Solid Waste Leachate Characterization at Erbil Anaerobic</u>	Zanco Journal of Pure and Applied Sciences	Vol 28	No. 3 2016
10. Reversible and irreversible deformations of expansive clays	https://www.icvirtuallibrary.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 Geotechnic	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
15. Improving the geotechnical properties of high expansive clay using limestone powder	https://www.springerprofessional.de/en/improving-the-geotechnical-properties-of-high-expansive-clay-usi/18372414	Innovative Infrastructure Solutions	https://doi.org/10.1007/s41062-020-00366-z	Issue 3/2020
16. Effect of Fixed-Base and Soil Structure Interaction on the Dynamic Responses of Steel Structures	https://www.researchgate.net/publication/344450389_Effect_of_Fixed-Base_and_Soil_Structure_Interaction_on_the_Dynamic_Responses_of_Steel_Structures	International Journal of Emerging Trends in Engineering	https://doi.org/10.30534/ijeter/2020/223892020	Volume 8. No. 9, September 2020
17. Correlation of Shear Wave Velocity With SPT-N for a Tower building Site at Erbil City	https://journal.uod.ac/index.php/uodjournal/article/view/928	The Journal of Duhok University	https://doi.org/10.26682/csjuod.2020.23.2.19	Vol. 23 No. 2 (2020)
18. Study of In-Situ and Laboratory Hydraulic Conductivity of Contaminated Soil with Oily Waste Water	https://journal.uod.ac/index.php/uodjournal/article/view/975	The Journal of Duhok University	https://doi.org/10.26682/csjuod.2020.23.2.58	Vol. 23 No. 2 (2020)

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	https://link.springer.com/article/10.1007/s12517-021-06712-4	Arabian Journal of Geosciences	https://doi.org/10.1007/s12517-021-06712-4	14 , Article number: 485 (2021)
20. Linear and nonlinear approaches and statistical evaluations to predict the shear strength parameters and collapse potential of gypseous soils	https://link.springer.com/article/10.1007/s12517-021-07193-1	<u>Arabian Journal of Geosciences</u>	https://doi.org/10.1007/s12517-021-07193-1	14 , Article number: 859 (2021)
21. Modeling and Statistical Evaluations of Unconfined Compressive Strength and Compression Index of the Clay Soils at Various Ranges of Liquid Limit	https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20200505.htm	Journal of Testing and Evaluation	https://doi.org/10.1520/JTE20200505	27 May 2021
22. Predicting the chemical and mechanical properties of gypseous soils using different simulation technics	https://www.researchgate.net/publication/353582825_Predicting_the_chemical_and_mechanical_properties_of_gypseous_soils_using_different_simulation_technics	<u>Acta Geotechnica</u>	DOI: 10.1007/s11440-021-01304-8	July 2021
23. Stability Investigation of Contiguous Replacement Piles	https://www.iasj.net/iasj/download/4978efa8344f7b90	ZANCO Journal of Pure and Applied Sciences	DOI: http://dx.doi.org/10.21271/zjpas	(2023), 35(SpA);11-25

Conferences and courses attended

- Give details of any conferences you have attended, and those at which you have presented delivered poster presentations.

4th International Scientific Conference of Salahaddin University-Erbil	October 18-20, 2011	SU-ERBIL 2011
Third International Conference on Recent Innovations In Engineering (ICRIE) Duhok	September 9-10-2020	(ICRIE) Duhok 2020

Funding and academic awards

- List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

Professional memberships

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

Professional Social Network Accounts:

- <https://www.researchgate.net/profile/Yousif-Mawlood>
- <https://www.facebook.com/yousif.mawlood.5>
- https://scholar.google.com/citations?user=_0s6_IAAAAJ&hl=en&scioq=Prediction+of+swelling+potential+for+compacted+clays+pdf
- <https://www.instagram.com/yousifmawlood/>