

CURRICULUM VITAE

Dr. Ahmed Abdulhammed Ahmed Al-Obaidi
(Ahmed Al-Obaidi)



Date and Place of Birthday: 1964 – Baghdad

Specialization: Ph.D. Geotechnical Engineering

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ACADEMIC QUALIFICATIONS

Qualification	Field	Awarding body	Country	Date
BSc	Civil Engineering	Baghdad University	Iraq	1986
MSc	Geotechnical Eng.	Baghdad University	Iraq	1992
PhD	Geotechnical Eng.	Baghdad University	Iraq	2002

TITLE OF M.SC. THESIS

Buckling of Pile Resting on Incompressible Layer

TITLE OF PH.D. THESIS

Performance of Unreinforced Concrete Bored Piles under Different Loading Conditions

AREA OF INTEREST

Shallow Foundation (Experimental and numerical)

Deep foundations

Soil Characterized

Gypseous Soil (Behavior and Re-habitation)

Soil Improvement

Software: Experience in Microsoft word, Excel, and Power Point, STAAD pro, Novo SPT software, working on PLAXIS and ABAQUS

Languages Known: Arabic and English, writing and speaking

TRAINING COURSES

Course of Academic staff development China 2011

EDITORIAL BOARD MEMBERS

Tikrit Journal of Engineering Science (TJES)

TEACHING EXPERIENCES

1- Under Graduate Courses:

- **Building Construction** second year student (Tikrit University) (5 years)
- **Strength of Material** second year student (Tikrit University) (3 years)
- **Strength of Material** second year student (University of Technology) (2 years)
- **Soil Mechanics** third-year student (Tikrit University) (14 years)
- **Foundation Engineering** (Tikrit University) (5 years)
- **Foundation Engineering** (Koya University) (2 years)
- **Foundation Engineering** (Kirkuk University) (2 years)
- **Engineering Management** (Tikrit University) (2 years)
- **Supervisor for undergraduate students** (Tikrit University) (20 groups)
- **Supervisor for undergraduate students** (Koya University) (2 groups)
- **Supervisor for undergraduate students** (Kirkuk University) (2 groups)

2- Post-graduate courses:

- **Advanced Soil Mechanics.**
- **Advanced Foundation Engineering**
- **Earth Structure**
- **Site Investigation**
- **Fundamental of Gypseous Soils**
- **Geotechnical Modelling**

RESEARCH ACTIVITIES

A. Published Papers

1. **Sulaiman, R., AL-Obaidi, A.H., and Husain, A.** 1996. "The Study of the Engineering Properties of Hay Al-Qadisyah in Tikrit." The scientific Journal of Tikrit University, Vol. 3 No. 1.
2. **Al-Mosawe M. and Al-Obaidi, A. H,** 1997. "Effect of Lateral Loads on Buckling of Piles." Journal of Arabic Universities Union, Vol. 4 No.1
3. **Al-Obaidi, A.H.,** 1999. " Temperature Variations and Its Effect on Some Engineering Properties of Tikrit Soils." The scientific Journal of Tikrit University, Vol. 5 No. 6.
4. **Al-Mosawe M. and Al-Obaidi, A. H,** 2002. "Thermal Analysis of Large Diameter Bored Piles." 6th International Conference on Concrete Technology for Developing Countries. Jordan
5. **Husain, H, Al-Obaidi, A.H, and Nedaiwi, A.R** 2007, "Thick Orthotropic

Rectangular Plates on Elastic Foundation" The Scientific Journal of Tikrit University, Vol. 14 No. 3.

6. **Al-Obaidi A.H., and Taha, O.** 2008. "The Use of Liquid Asphalt to Improve Engineering Properties of Gypseous Soils." Al-Raffedain Engineering Journal. Vol. 16 No. 4
7. **Al-Obaidi, A.H., and Najim, S.** 2009 " Performance of Geosynthetics to Materials Improve Gypseous Soils" 2ed International Conference Geosynthetics Middle East – Dubai/UAE
8. **Al-Obaidi A.H. and Al-Refa'y. H,** 2010. " Evaluation of SWC Curve of Unsaturated Gypseous Soils using Tensometer and RETC program" The Iraqi Journal of Soil Sciences. Vol. 10 No. 1
9. **Al-Obaidi A.H. and Al-Karawe, A.** 2014 "Thermal Conductivity of Gypseous Soil under Different Temperatures" 11th International Congress on Advances in Civil Engineering. Istanbul - Turkey
10. **Al-Obaidi, A.H., and Al-Karawe, A.** 2015 " The laboratory studies on the anisotropy of gypseous Soil" The 2nd International Conference on Buildings, Construction and Environmental Engineering. Beirut – Lebanon.
11. **Al-Obaidi A.H., Mahmood, P. and Al-Karawe, A.** 2016. "Assessment of Vertical Pile Capacity in Soil with Weak Layers and Cavities." 2nd International Engineering Conference On Developments in Civil & Computer Engineering Applications Erbil, Kurdistan, Iraq.
12. **Al-Mosawe M. and Al-Obaidi, A. H,** 2016. "Performance of Unreinforced Concrete Bored Piles under Different Loading Conditions" International Conference on Engineering and Technology Munich – Germany
13. **Abboud, M. R., Al-Obaidi, A. H. and Kader, M. S.** 2016 "Geotechnical Properties of Soil for Selected Sites in Kirkuk city" Tikrit Journal of Pure Science Vol. 21 No. 4.
14. **Al-Obaidi, A. H and Mohammed M. S.,** 2017. "Estimate of Bearing Capacity of Gypseous Soils from Field Data" Diyala Journal of Engineering Science Vol. 10 No.1
15. **Al-Obaidi, A.H., and Al-Karawe, A. A.,** 2017. "Operation of Geophysical and Geotechnical Investigation to Verify the Deterioration of Buildings on Gypseous Soils" 3^{ed} International Engineering Conference on Developments in Civil & Computer Engineering Applications, Erbil, Iraq.

16. **Al-Obaidi, A.H., and Al-Karawe, A. A., 2017.** “Performance of Socketed Micropiles in Weak Soils” 13th International Workshop on Micropiles, Vancouver, Canada.
17. **Al-Obaidi A.H., Mahmood, P., 2018.** “Ultimate Capacity of Piles Penetrating Weak Soil Layers“ Metac web conference.
18. **Al-Obaidi, A.H., and Al-Karawe, A. A., 2018.** “Favorable of Grouted Micropiles for the Load Transfer in Weak Sandy Soils“, Metac web conference

B. Supervisor MSc and PhD

1. **The Engineering Characters of Gypseous Soils Obtained From Data Base /**
Huda Karam Al-Douri
2. **The use of liquid asphalt to improve engineering Properties of gypseous soils /** Omar Muhie Elden Taha
3. **Performance of Geosynthetics to Improve Gypseous Soils /** Sarab Siham Tawfeeq Najim
4. **Finite Element Analysis of Gypseous Soils /** Reem Siham Najim
5. **Study of Strength Parameters of Unsaturated Gypseous Soils /** Huda Wujud Al Rofa'y
6. **Settlement and Collapse of Gypseous Soils /** Ibtihal Hamada Al-Mafrachi
7. **Modeling of Gypseous Soils with Cavities /** Yasser Khalid Mohammed Al-Ani
8. **Performance of Micropiles in Weak Soils /** Ansam Ahmed Al-Karawi
9. **The Study of some Geotechnical Properties of Soil at Selected Sites from Kirkuk City in Iraq /** Manal Samir Kader Mohammed
10. **Assessment of Pile Load Capacity in Soil with Weak Layers /** Pinar Nasruldeen Mahmood
11. **Assessment of Bearing Capacity for Shallow Footing on Gypseous Soils from Field Tests /** Mohamed Salih Mohammed
12. **Utilization of Geographic Information System to Manage Gypseous Soils /** Maha Adnan
13. **Influence of Penetration Heavy Fuel Oil Waste on the Engineering Soil Properties /** Dunia Khalil
14. **Application of Dynamic Cone Penetrometer to the Geotechnical Exploration /** Qudama Ayob Aoad
15. **Volume Change of Different Unsaturated Gypseous Soil /** Mohamed Khair Alla

- 16. GIS Simulation of Groundwater for Baghdad City and its Effect on Soil Properties, Huthaifa Farman**
- 17. Applicability of Deep Mixing Method in Collapsible Soils, Omar Mohamed Khalaf**
- 18. Simulation of Capillary Rise in Earth Structures with Controlling Its Upsurge, Ismaell Abdulla**
- 19. Distinguish between settlement and collapse of gypseous soils exposed to saturation, Mohamed Abdul Salam**
- 20. Estimation of Capillary action in Gypseous Soils and its effect on gypsum dissolve, Dalya Shaker**
- 21. Geo-Environmental Site Investigation of Erbil (North of Iraq) Municipal Soils Around Oil Fields and Refineries, Farzant Midhat**

C. Participation in Several National and International Conferences:

- The 6th International Conference on Concrete Technology for Developing Countries. Amman. Jordan 2002.
- 2nd International Conference Geosynthetics Middle East Radisson BLU Hotel, Dubai, 2009
- 11th International Congress on Advanced in Civil Engineering, 2014, Istanbul, Turkey
- 2^{ed} International Conference on Buildings, Construction and Environmental Engineering –2015, Beirut, Lebanon
- 2^{ed} International Engineering Conference on Development in Civil and Computer Engineering Applications, Erbil, Iraq, 2016.
- Geotechnical Engineering in Arab World Conference, 2016, Baghdad Iraq.
- 3^{ed} International Engineering Conference on Development in Civil and Computer Engineering Applications, Erbil, Iraq, 2017.
- 3^{ed} International Conference on Building constructions and Environmental Engineering, Sharm Al-Sheekh – Egypt, 2018.

Giving Seminars in different subjects of soil mechanics and foundation engineering at (Tikrit, Mosul, Kirkuk, and Koya Universities.

D. Supervisor on graduation projects students

Supervisor on 20 groups of students graduation projects at Tikrit, Koya, and Kirkuk University.

PRESENT AND PREVIOUS POSITIONS:

- **Assistant lecturer – Dept. of Civil Eng. 1992-1995**
- **Director of the Consulting Engineering Bureau, 1995-1997.**
- **Ph.D. Student From 1998-2001**
- **Lecturer – College of Eng. – Dept. of Civil Eng. 2002 - 2003**
- **Director of the Consulting Engineering Bureau, 2003-2007.**
- **Assistant Prof. at– Dept. of Civil Eng. Since 2011 till now**

PRACTICAL EXPERIENCE

Key Responsibilities Handled

- Responsible for execution of complete project with overall responsibilities of co-ordination with client representatives, administrative offices, government agencies, non-government agencies, subcontractors, supplier's etc.
- Getting work done by the staff on site and proper procurement and execution scheduling on site.
- Overall responsibility for Quality control works of the Project (Lab & Field).
- Selection of Venders for brought out item like cement, Steel, Admixture, Curing compound.
- Monthly progress report/ Consumption / Material reconciliation statement pertaining to Client is running Account Bill.
- Calibration of all Lab equipment and plants, conducting all tests required as per specifications.
- Identification and selection of Aggregate & sand Quarry. Co- ordination with client / Consultants.
- Fulfillment of contractual obligations pertaining to quality of work / Testing as per Contract and timely reply.
- Monitoring of progress of work. Updating of all test records as per Quality assurance manual and safekeeping of it.
- Attending monthly progress review meeting with Client & Consultant.
- Witness of third party Confirmatory as required by client / Consultant.

Present and Previous Practical Positions:

- From June 1986 to October 1989 working as designer at the Directorate of Military Engineering Works.

- From February 1992 to January 1993 worked as a supervising engineer with Al-Mutasim State Company for Construction Contracts.
- From January 1993 to December 1994 supervising engineer with different companies i.e. Hittin public facility and Al-Sadic construction Company
- From December 1993 to March 1995 Director of Engineering Consultant Bureau – Tikrit University
- From April 1995 to December 1997 work as project manager for engineering college and education college buildings – Tikrit University
- From June 1998 to December 2001 work as project manager for three Private buildings and two Government buildings in Baghdad
- From December 2003 to November 2007 Director of Engineering Consultant Bureau – Tikrit University
- From December 2007 till now work as consulting engineer for the works of geotechnical engineering form more than 300 projects includes (Electrical power stations, Small dams, Housing projects, Telecommunications facilities, Oil projects and Schools etc. at many Iraqi governorates and Foreign Companies
- From March 2013 until now Consultant and partner, engineer at Al-Saad Company for Soil Testing, pile construction and digging wells, Ltd.

Practical Experience Works

- Consultant to soil investigation, soil field, and laboratory testing and giving recommendations on the design of foundations and engineering problems (more than 300 sites in Mosul, Kirkuk, Erbil, Sulaymaniyah, Tikrit, Baghdad, Dyalah, Anbar, Basrah and Najaf Provinces
- More than 25 years of design and consultancy experience in the field of soil mechanics and foundation engineering, this include:
 - Design of shallow and deep foundations.
 - Evaluation of piles tests.
 - Slope stability analysis.
 - Grouting projects.
 - Checking and approving the design of many foreign companies participating in the different projects in Iraq.
 - Supervisor and resident engineer on the construction of university buildings projects in Tikrit and Al-Mustansiriya University.
 - Designer of pile foundation for six bridges and stadiums

Languages

- Arabic and English Speech and write .

Memberships

Member of the Iraqi Engineers Union.

Member of the Kurdistan Engineers Union.

Member of the Federation of Arab Engineers

Miscellaneous activities

- Scientific evaluated for research to engineering Journals and conferences, (18 research)
- Evaluation of research for scientific upgrade (5 evaluations)
- Head and member of 20 of examination committees for M.Sc or Ph.D. degrees.
- Head and member of several committees on Engineering syllabus, student training
- Head and member of the Graduate Studies Committee, the Scientific Committee, the Committee Competitive exam to graduate students and the Committee on the comprehensive exam for Ph.D. students
- Head of buying of machine and equipment committee
- Head of buying of laboratory apparatus Committee
- Head and member of an investigation committee

Thankful Documents and Appreciation Certificates

- 25 thankful documents from President of the University of Tikrit
- 10 thankful documents from the Dean of the Faculty of Engineering
- Letter of thanks from the Engineering Department at the Presidential Office
- Certificate from Faculty of Engineering – Koya University
- Certificate from Siemens Company
- Certificate from Orascom Company
- Medallion to get students to advanced positions in ministerial exams

Other IDs

- SCOPUS ID Author ID: 57202300764
- ORCID ID <http://orcid.org/0000-0002-7904-1694>
- Researcher ID <http://www.researcherid.com/rid/M-9633-2018>
- Publons: <https://publons.com/a/1402453>
- Google Scholar:
<https://scholar.google.com/citations?user=kxHP2ucAAAAJ&hl=en>
- Researchgate: https://www.researchgate.net/profile/Ahmed_Al-Obaidi2