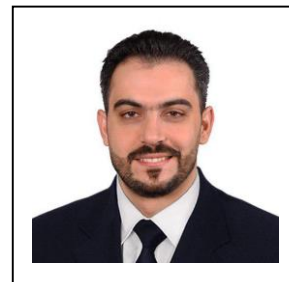


## Lecturer **Mahmood Khalid J. H. Al-Obaidi**

### Department of Civil Engineering

Master in Civil Engineering / Roads and Transportation – Teaching

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### Education:

PhD, University of Nahrain, in the stage of thesis preparation till now.

MSc, University of Baghdad, 2014

BSc, University of Baghdad, 2009

### Profile:

Se.	Job title	Employer	Working period / from - to
1	Lecturer	Al-Farabi University College / Department of Civil Engineering	From 1/9/2014 till now
2	Supervising Engineer	The Turkish KAR-PET Company / The project to establish a Baghdad flower complex in the Numaniyah area	From 1/1/2014 to 1/9/2019
3	Engagement Engineer	link member between the Greek NB-Techniki Company in cooperation with the French AVR company and the Iraqi Ministry of Oil	From 1/11/2012 to 1/1/2014
4	Project Manager	The Iraqi ABT Company / Project for the construction of the vehicles park for the Oil Pipelines Company / Al-Dora Refinery	From 1/6/2012 to 1/1/2013
5	Supervising Engineer	The Turkish Tefirom Group Company / Baghdad Mall construction project in Al-Harithiya	From 1/1/2011 to 1/6/2011
6	Supervising Engineer	The General Company for the Design and Rehabilitation of Governmental Projects of the Ministry of Industry and Minerals / Rehabilitation of the Industrial Complex in the Nahrawan District	From 1/5/2010 to 1/1/2011
7	Supervising Engineer	The Iraqi Construction Company / Project to establish an agricultural coverings plant in the General Numan Company, one of the formations of the Ministry of Industry and Minerals	From 1/12/2009 to 1/5/2010

## Teaching

Se.	The name of the course	Class	Details on the course
1	(Transportation Engineering) (Lab.)	Fourth	Conducting applied laboratory experiments for students to examine raw materials and components of asphalt mixtures for road paving layers and compare them with local and international standards.
2	(Sanitary and Environmental Engineering) (Theory and Lab.)	Fourth	Teaching the theoretical material to design all parts of water processing and purification plants and polluted water treatment plants and how to distribute them to the consumer, as well as conducting chemical, physical and biological laboratory experiments to examine water elements and compare them with local and international specifications.
3	(Traffic Engineering) (Theory and Lab)	Third	Teaching the basic principles of the design elements of roads, intersections, bridges, parks, congestions and traffic accidents, and applying laboratory experiments to students and comparing them with standard specifications.
4	(Concrete Technology) (Theory and Lab.)	Second	Teaching the basic principles of raw materials for concrete mixtures and methods of testing them in their fresh and hard states, and applying laboratory experiments to students and comparing them with local and international standards.

## Research Focus

- 1- Developing hot asphalt mixtures for roads based on different mixing methods for additives that contribute to the development of asphalt properties, in addition to using different compacting methods in comparing the performance of mixtures, as well as calibrating and developing mathematical equations within the limits of the results of laboratory tests for different compacting methods using the SPSS statistical program.
- 2- Developing and enhancing the level of service and operational traffic performance of roads, intersections and parks based on engineering proposals that stimulate reality in terms of implementation and operating costs.
- 3- Modeling the operational traffic performance of roads according to mathematical models that give predictive indicators that are close to their effects in reality.
- 4- Statistical studies on traffic accidents and finding logical solutions to protect or reduce it.

## Publications

- 1- Writing a book entitled (**Basic Principles in Traffic Engineering**), which is currently being typeset, and it will be in two parts, translated from various references from English into Arabic.
- 2- Publishing a book entitled (**Laboratory Handbook of Concrete Technology**) has been published in The Iraq National Library and Archive according to ISBN: 978-9922-624-77-8, Publisher: Thair Al-Essami, Baghdad, Iraq, Available online at:

<http://www.isbniraq.org/?product=laboratory-handbook-of-concrete-technolog>

- 3- Publishing a book from M.Sc. Thesis entitled (**Influence of Compaction Method on Asphalt Concrete Quality**) has been published with the Professor "Saad Issa Sarsam" (Civil Engineering, Baghdad University) in LAMBERT Academic Publishing, Germany, 2014. Available online at: <https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-330-02415-1/influence-of-compaction-method-on-asphalt-concrete-quality>.
- 4- Research Paper entitled (**Comparative Study of Traffic Flow Models: A Case study for Al-Doura Expressway in Baghdad City**) has been presented in The 2<sup>nd</sup> International Conference on Architectural and Civil Engineering (ICACE2021), Cihan University & Warsaw University of Life Sciences (Poland), 5-6/4/2021, Erbil, Iraq, Waiting for publishing.
- 5- Research Paper entitled (**Optimizing the Traffic Operation System of 14th-Ramadhan Signalized Intersection in Baghdad City using HCS Technique**) has been accepted in Journal of **IOP Conf. Series: Materials Science and Engineering**, The Fourth Scientific Conference for Engineering and Postgraduate Research (PEC19), Middle Technical University, College of Electrical Technical Engineering, 16-17/12/2020, Baghdad, Iraq, Vol. 745, 2020. Available online at: <https://iopscience.iop.org/article/10.1088/1757899X/745/1/012177>
- 6- Research Paper entitled (**Improvement of the Traffic Management of Deactivated Al-Faris Al-Arabi Signalized Roundabout in Baghdad City**) has been accepted in Journal of **IOP Conf. Series: Materials Science and Engineering**, The Second International Engineering Conference on Sustainable Engineering Techniques, 6-7/3/2019, Institute of Technology, Middle Technical University, Baghdad, Iraq, Vol. 518, 2019. Available online at: <https://iopscience.iop.org/article/10.1088/1757-899X/518/2/022016>
- 7- Research Paper entitled (**Enhancement of the Traffic Operation Performance of Al-Mansour Signalized T-Intersection in Baghdad City**) has been accepted in Journal of Association of Arab Universities, University of Baghdad, Iraq, Vol. 1, 2020. Available online at: <http://www.auisseng.com>
- 8- Research Paper entitled (**Effect of Incorporating Processes of Fumed Silica on Marshall Properties of HMA Concrete**) has been published in **International Journal of Science and Research (IJSR)**, India, Issue 2, Vol. 7, pp. 127-133, 2018. Available online at: <http://www.coeng.uobaghdad.edu.iq/uploads/Magazin/ver11.pdf>
- 9- Research Paper entitled (**Modeling of Comparative Performance of Asphalt Concrete under Hammer, Gyrotory, and Roller Compaction**) has been published with the Professor "Saad Issa Sarsam" (Civil Engineering, Baghdad University) in Journal of Engineering, University of Baghdad, Iraq, No.11, Vol. 22, pp. 1-15, 2016. Available online at: <http://www.coeng.uobaghdad.edu.iq/uploads/Magazin/ver11.pdf>

**10- Research Paper (Assessing the Impact of Various Modes of Compaction on Tensile Property and Temperature Susceptibility of Asphalt Concrete)** has been published with the Professor "**Saad Issa Sarsam**" (Civil Engineering, Baghdad University) in International Journal of Scientific Research in Knowledge, 2(6), pp. 297-305, 2014 (ISSN: 2322-4541; ©2014 IJSRPUB), India. Available online at:

[https://www.researchgate.net/publication/274973495\\_Assessing\\_the\\_Impact\\_of\\_Various\\_Modes\\_of\\_Compaction\\_on\\_Tensile\\_Property\\_and\\_Temperature\\_Susceptibility\\_of\\_Asphalt\\_Concrete](https://www.researchgate.net/publication/274973495_Assessing_the_Impact_of_Various_Modes_of_Compaction_on_Tensile_Property_and_Temperature_Susceptibility_of_Asphalt_Concrete)

**11- Research Paper (Modeling the Impact of Various Modes of Compaction on Shear Property of Asphalt Concrete)** has been published with the Professor "**Saad Issa Sarsam**" (Civil Engineering, Baghdad University) in Research Journal of Modeling and Simulation, Sciknow Publications Ltd., RJMS 2014, 1(4):56-64, USA; ©Attribution 3.0 Unported (CC BY 3.0). Available online at:

[https://www.researchgate.net/profile/Mahmood\\_Al-Obaidi/publication/325438978\\_Modeling\\_the\\_Impact\\_of\\_Various\\_Modes\\_of\\_Compaction\\_on\\_Shear\\_Property\\_of\\_Asphalt\\_Concrete/links/5b118efdaca2723d997b2b93/Modeling-the-Impact-of-Various-Modes-of-Compaction-on-Shear-Property-of-Asphalt-Concrete.pdf](https://www.researchgate.net/profile/Mahmood_Al-Obaidi/publication/325438978_Modeling_the_Impact_of_Various_Modes_of_Compaction_on_Shear_Property_of_Asphalt_Concrete/links/5b118efdaca2723d997b2b93/Modeling-the-Impact-of-Various-Modes-of-Compaction-on-Shear-Property-of-Asphalt-Concrete.pdf)

## **Affiliations/Activities**

**1-** Manufacture of a Fabricated Roller Compactor, which is a qualitative addition to the Roads and Transportation Engineering Laboratory, where the third award was got in Iraq among 68 engineering and medical projects during our participation with a group of students for most Iraqi universities in the Kafeel competition in Karbala province.

<https://www.youtube.com/watch?v=47cxSrPf1tA&feature=share>

**2-** Supervising 11 research projects for more than 40 fourth class students.

**3-** Assessing of 28 scientific research for international scientific journals within Scopus preview, including the international conferences held inside Iraq.

**4-** Research participation in 3 international scientific conferences inside Iraq in Baghdad and Erbil, as well as participation in research papers in scientific symposia for community institutions.

**5-** Attendance participation in 6 scientific conferences in universities and community institutions.

**6-** Attended participation in 22 scientific sessions, workshops or lectures in different universities and community institutions.

**7-** Participation in 7 different scientific and training forums in Baghdad and other governorates.

**8-** My candidacy to participate in the Stars of Science competition for innovators in the State of Qatar, which is shown on MBC channels, by designing a multi-use laboratory device.

**9-** Participation in the Najaf camp for peaceful coexistence for a period of 3 days, representing the province of Baghdad, in which I won the Creativity and Excellence Award among all my peers in the other provinces.

- 10-**Got a certificate of training of trainers TOT, which was established by the Regional Guide Company, as well as another certificate on the preparation of trainers in the specialization of peaceful coexistence, which was established by the Lebanese-British Tajheez Company for Training and Consulting.
- 11-**Training of approximately 455 trainees in various scientific and developmental training workshops.
- 12-**Received a set of letters of thanks and appreciation from the respected Minister of Higher Education and Scientific Research for all employees of the ministry and public and private universities.
- 13-**Received a letter of thanks and appreciation from the respected Minister of Youth and Sports.
- 14-**Received 15 letters of thanks and appreciation from the respected Dean of Al-Farabi University College.
- 15-**Received 4 letters of thanks and appreciation from various scientific and community institutions.
- 16-**Coordinator of the Civil Engineering Department for 3 years from 2014-2017
- 17-**A member of the Central Examination Committee for 3 years (including one year as a coordinator), as well as a member of the Special Committee for the preparation of student grade documents.
- 18-**Responsible for Quality Assurance and Dependability representing the Civil Engineering Department for 4 years from 2014-2018
- 19-**A member of several permanent and temporary committees, including the student discussion committee for graduation projects, the follow-up committee for student absences, the committee for the responsibility of scientific laboratories, the new student reception committee, registration committees, and so on.
- 20-**Member of the Iraqi Engineers Union since 2010.
- 21-**A member of the Iraqi Trainers Network and the Youth Qyiem Foundation.
- 22-**A member of the Ta'ayush Project / the International Team for Community Peace.
- 23-**Google Scholar portal

[https://scholar.google.com/citations?user=HC\\_sNfgAAAAJ&hl=en](https://scholar.google.com/citations?user=HC_sNfgAAAAJ&hl=en)

- 24-**Research Gate

[https://www.researchgate.net/profile/Mahmood\\_Al-Obaidi](https://www.researchgate.net/profile/Mahmood_Al-Obaidi)

- 25-**Orcid Gate

<https://orcid.org/my-orcid?orcid=0000-0002-8881-8872>

- 26-**Scopus Preview

[https://id.elsevier.com/settings/redirect?code=3RI4Gi3yVa9wutf1VnF1lsPzo9RdETOt\\_K9v7yc5](https://id.elsevier.com/settings/redirect?code=3RI4Gi3yVa9wutf1VnF1lsPzo9RdETOt_K9v7yc5)