



## Curriculum Vitae of a faculty member

### 1. Personal information

<b>Name</b>	Ayman Abdulhadi Abdulmawjoud
<b>Academic Degree</b>	Ph.D.
<b>Job Title</b>	Professor
<b>General Major</b>	Civil Engineering
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### 2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2007	Al-Mustansyriya	Iraq	Highway and Transportation Engineering
Master	1988	Mosul	Iraq	Highway and Transportation Engineering
Bachelor	1984	Mosul	Iraq	Civil Engineering

### 3. Experiences

Employment	Job Title	Period
Lecturer	Professor	From 1990 till now

### 4. Researches & Scientific activities

1	Effect of water and aging on the fatigue properties of asphalt concrete mixture. Engineering and Technology Journal, No. 6, Vol. 11, Technology University, Baghdad, 1992, P. 35-51.
2	Effect of filler type and testing temperature on the properties of asphalt paving mixtures. Al-Rafidian Engineering Journal Vol. 4, No.1, Mosul University, 1996, P. 57-68.
3	Evaluation of pre-timed and full-actuated control applying TRANSYT-7F program to signalized arterial in Mosul city. 1 <sup>st</sup> Jordanian Conference on Traffic Engineering and Environment, Amman 1997, P. 178-189.
4	Flexural behavior of asphalt concrete beams reinforced with geogrids. Engineering and Technology Journal, Vol. 18, No. 3, Technology University, Baghdad, 1999.
5	The use of roller compacted concrete in pavement construction. Jordan Second Civil Engineering Conference, Amman, 1999, P. 221-234.
6	Analysis of pavement damage attributed to hazardous material transportation. Al-Muhand's Journal, Vol. 150, No. 2, Iraqi Engineers Union, June 2002.
7	Physical and engineering properties of physically and chemically sulphur treated asphalt binders. Engineering and Technology Journal, Vol. 21, No. 8, Technical University, Baghdad, 2002.
8	Effect of using kaolin filler on properties of asphaltic concrete mixtures. Al-Rafidian Engineering Journal, Vol. 12, No.3, Mosul University, 2004.
9	Effect of geometric features on speed prediction model for horizontal curves on two-lane rural highways. 3 <sup>rd</sup> Jordan International Transportation Conference, March, 2007, Amman, Jordan.
10	Development of models for predicting speed on horizontal curves for two-lane rural highways. Arabian Journal for Science and Engineering Volume 33, Number 2B, King Fahad University of Petroleum & Minerals. Saudi Arabia, October 2008.
11	A Comparative study of roller and hammer compacted asphalt concrete. Engineering and Technology Journal, Vol. 26, No. 5, Technical University, Baghdad, 2008.
12	Effect of high density polyethylene shape and concentration on the engineering properties of paving mixtures. The Iraqi Journal for Mechanical and Material Engineering, Special Issue (B), Engineering College, University of Babylon, March 2011.

13	Traffic Safety development modeling in Duhok city road network using GIS technique. 3rd International Conference on Road Safety and Simulation, Transportation Research Board, Indianapolis Indiana, United States, 14-16 September 2011.
14	Passing behavior on rural two-lane highways. Al-Rafidian Engineering Journal Vol. 22, No. 2, Mosul University, 2014, P. 123-134.
15	The relative importance of some spatial criteria contributes the route location for rural highway. Al-Rafidain Engineering Journal Vol. 23 No. 4, Mosul University, October 2015, P. 59-71.
16	Evaluation of SBR and PS-modified asphalt binders and HMA mixtures containing such binders. Applied Research Journal Vol.1, Issue, 9, November, 2015, pp.460-469.
17	Effects of level of reclamation on the properties of hot mix asphalt concrete. International Journal of Scientific Research in Knowledge, 3(6), 2015, pp. 162-171.
18	Using the analytic hierarchy process and GIS for decision making in rural highway route location. International Journal of Civil Engineering and Technology (IJCIET), Volume 7, Issue 2, March-April 2016, pp. 359–375.
19	Marshall Characteristic for Reclaimed Asphalt Pavement. Engineering and Technology Journal, Vol. 34, Part (A), No. 7, Technical University, Baghdad, 2016.
20	Marshall Characteristic for Reclaimed Asphalt Pavement Attributed to Demolished Highways, The First Arab Conference for Restoration and Reconstruction, Egyptian Engineers Syndicate, Cairo, Egypt, 9-11 October 2017.
21	Headway Modeling in Northern Iraqi Two-Lane Highways, Academic Journal of Nawroz University, Vol.7, No.4, 2018.
22	Moisture Susceptibility for Reclaimed Asphalt Pavement from Demolished Roads, Reconstruction conference and reconstruction of monuments damaged by military actions in Iraq and Syria, Iraqi Engineers Union, Baghdad, Iraq, 3-4/12/2018.
23	Performance Evaluation of Hot Mixture Reclaimed Asphalt Pavement, Journal of Engineering Science and Technology, Vol. 15, Issue 1, School of Engineering, Vol.15, No.1, Taylors University, 2020, pp.477-492.
24	Pedestrian Midblock Crossing Safety Development Modeling in Dohuk City Road Network, The Journal of Engineering Research (TJER), Vol. 17, No. 2, (2020), pp.126-134.
25	Traffic Flow Parameters Development Modelling at Traffic Calming Measures Located on Arterial Roads, under press in Ain Shams Engineering Journal, 2020.

## Books

Traffic Performance Assessment on Two-Lane Rural Highways,  
Noor Publishing, ISBN: 978-620-2-35078-5, 2018.

## 5. Scientific Conferences

	Conference Name	Date
1	1 <sup>st</sup> Jordanian Conference on Traffic Engineering and Environment, Amman, Jordan	1997
2	Jordan Second Civil Engineering Conference, Amman, Jordan	1999
3	3 <sup>rd</sup> Jordan International Transportation Conference, Amman, Jordan	2007
4	3rd International Conference on Road Safety and Simulation, Transportation Research Board, Indianapolis Indiana, United States	2011
5	The First Arab Conference for Restoration and Reconstruction, Egyptian Engineers Syndicate, Cairo, Egypt	2017
6	Reconstruction conference and reconstruction of monuments damaged by military actions in Iraq and Syria, Iraqi Engineers Union, Baghdad, Iraq	2018

## 6. Training courses for faculty members.

	Training program name	Date
1	Iraqi professors advanced study program in Southwest Jiaotong University, China	2012
2		
3		

### - Master's and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date
1	Louy Saad Thanoon	The Effect of SBR and Polystyrene Polymers on Asphalt and HMA Mixture Properties	2012
2	Mohammed Ghanim Jamel shaker	Best Route Selection in Mosul Using GIS Technique and Multi-Criteria Analysis	2014
3	Noor Adel Ismaeel	Study of Properties of Recycled Asphalt Mixtures	2015

## - Theses which he discussed

	Researcher name	Thesis title	date
1	Mulat Salem Mohamad	Time-Dependent Expressions for Delay at Traffic Signals in Duhok City	2011
2	Waheda Mustafa Omar	Spatial Analysis of Traffic Congestion Using GIS Technology in Duhok City Urban Road Network	2011
3	Abdullah Mahmood Rasheed	Short and Long-Term Aging Behavior of Hot Paving Asphalt Mixtures	2012
4	Ayray Abdulkhalik AbdulKader	Planning and Road Design of Zawita-Swaratuka Oak Forest	2013
5	Anwar Khalid Hammad	An Acceptable Tramway Route Design at Ramadi City	2014
6	Ali Jamal Mahdi	Adaption of AHP and GIS for Selecting and Designing of the Car Parking Areas (Location Case Study CBD of Al-Ramadi City)	2014
7	Salama Ghasan Sulayman	Extension of Runway to Safe the Uncontrolled Airplane	2014
8	Sara Adnan Saied	Determination of Equilibrium Point for Transportation System of Education Campus in Mosul City	2017
9	Mohanad Radwan Askar	Study of Existing and Future Evaluation of Traffic Congestion using Paths Algorithm for Sectors from Left Side of Mosul City	2020
10	Ahmad Daham Mohammad Zadan	Effect of Using Crushed Glass Waste as Fine Aggregate and Filler in Asphalt Concrete Mixture Properties	2020