

NOORANCE ALI RAZZAQ AL-MUKARAM
Civil Engineering Department , Al-Muthanna University
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EDUCATION

Doctor of Philosophy in Civil Engineering (Transport Engineering and Planning) University of Salford – UK	2018
Master of Science in Civil Engineering (Transportation Engineering) University of Baghdad – IRAQ	2005
Bachelor of Science in Civil Engineering University of Baghdad – IRAQ	2001

TEACHING EXPERIENCE

Civil Engineering Department, Al-Muthanna University	Sept. 2, 2008 – Present
<ul style="list-style-type: none">• The 4th undergraduate course – Graduation Project.• The 3rd undergraduate course – Traffic Engineering.• The 1st undergraduate course – Advanced Mathematics (I).• The 1st undergraduate course – Engineering Statistics.• The 1st undergraduate course – Engineering Geology.	
Physics Department, Al-Muthanna University	Dec. 7, 2006 – Sept. 1, 2008
<ul style="list-style-type: none">• The 3rd undergraduate course in SPSS Statistical Package Program.• The 2nd undergraduate course in Microsoft office & Visual BASIC Programs.• The 1st undergraduate course in Principles of Physics.• The 1st undergraduate course in English Language for Scientists.	
Building & Construction Engineering Department, University of Technology	Dec. 1, 2005 – Nov. 22, 2006
<ul style="list-style-type: none">• The 3rd undergraduate course in Railway Engineering.• The 2nd undergraduate course in Microsoft office & Visual BASIC Programs.• The 1st undergraduate course in Advanced Mathematics (I).• The 1st undergraduate course in Principles of Highway Engineering.	

ACADEMIC POSITIONS

- Member of Engineering College Council.
- Member of Academic Staff of the Civil Engineering Department.
- Member of Scientific Committee of the Civil Engineering Department.

RESEARCH INTERESTS

Current interests in the transportation research focuses on the following topics:

- Traffic accident analysis.
- Simulation of traffic flow.
- Simulation of drivers' and pedestrians' behaviour.
- Traffic flow theory and modelling.
- Future road and mobility.
- Road safety.
- Pavement mixture design.

PRESENTATIONS /SEMINARS

- Noorance Al-Mukaram "*Traffic Accidents Statistics in Iraq for 2018*". Presented at Civil Engineering Department, Al-Muthanna University, 25 February 2020.
- Noorance Al-Mukaram "*The effect of vehicle time headway on driver response to the amber and red traffic light signals*". Presented at SPARC17 Conference. University of Salford, UK, 27 June 2017.
- Noorance Al-Mukaram "*Modelling driver behaviour in response to the traffic signal change at junctions in Greater Manchester*". Presented at University of Huddersfield, UK, 11 April 2017.
- Noorance Al-Mukaram "*An analysis of driver behaviour following the onset of amber at traffic signalised intersections*". Presented at SPARC16 Conference. University of Salford, UK, 14 June 2016.
- Noorance Al-Mukaram "*Principles of Railway Engineering*". Presented at Civil Engineering Department, Al-Muthanna University, 14 April 2011.
- Noorance Al-Mukaram "*HCS: Highway Capacity Software*". Presented at Civil Engineering Department, Al-Muthanna University, 1 March 2010.
- Noorance Al-Mukaram and Riyadh A. Al-Gurah "*Advanced Pavement Design and Materials*". Presented at General Directorate of Al-Muthanna Municipalities, 16 April – 22 May 2009.
- Noorance Al-Mukaram "*Effect of Acid Rains on Steel Structures: The Problems and Remedies*". Presented at Department of Environmental Science, Al-Muthanna University, 10 December 2007.
- Noorance Al-Mukaram "*Geometric Design of Roundabouts*". Presented at Building & Construction Engineering Department, University of Technology, 27 June 2006.
- Noorance Al-Mukaram "*Route Planning and Design at Flat Areas*". Presented at Civil Engineering Department, University of Baghdad, 16 May 2002.
- Noorance Al-Mukaram "*Influence of Coarse Aggregate Properties on Performance of Paving Materials*". Presented at Civil Engineering Department, University of Baghdad, 22 March 2002.

PUBLICATIONS

- Hussien, A., Al-Mukaram, N., and Mohammed, R. "*Development of optimal location and design capacity of wastewater treatment plants for urban areas: a case study in Samawah city*". The 3rd International Conference on Engineering Sciences, Kerbala University, IRAQ. IOP conference series: Materials Science and Engineering 671 (2020). <https://iopscience.iop.org/article/10.1088/1757-899X/671/1/012089/pdf>
- Al-Mukaram, N. "*Modelling drivers' behaviour within the dilemma zone at traffic signal junctions*". PhD thesis submitted to the Computing, Science and Engineering Department, University of Salford, 2018. <http://usir.salford.ac.uk/id/eprint/48444/>
- Ismael, K. S., Al-Mukaram, N. "*Traffic accidents analysis on dry and wet road bends surfaces in Greater Manchester-UK*". The 1st International Conference on Engineering and Computing (ICEC2017), August 2017. Kurdistan Journal of Applied Research <http://kjar.spu.edu.iq/index.php/kjar/article/view/120>
- Al-Mukaram, N. "*Field observations of drivers' behaviour at signalised intersections in Greater Manchester*". The 15th Annual Transport Practitioners' Meeting Conference. Session 2: Civilising Places. Nottingham, UK. 29 June 2017. <https://www.ptcr-training.co.uk/Resources/TPM>
- Noorance A. R. "*Development of Trip Generation Models for Selected District in Samawah City*". Uruk Refereed Scientific Journal, University of Al-Muthanna, Vol.(3), No.(1), pp. 18 – 32, January 2010.
- Riyadh A. Al-Gurah and Noorance A. R. "*The Effect of Soaking in Water on CBR of Limestone*". Journal of University of Thi-Qar, Vol.(6), No.(1), pp. 23–31, June 2009. <https://scholar.google.com/scholar?oi=bibs&cluster=13602117265292853344&btnI=1&hl=en>
- Noorance A. R. "*A Study of Pedestrian Behaviour at Random Crossings in Baghdad City*". MSc thesis submitted to the Civil Engineering Department, University of Baghdad, 2005.