**Fady M A Hassouna**

Civil Engineering Department, An-Najah National University, Nablus, Palestine

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**CURRENT POSITION**

* **Head of Natural Sciences Department, Faculty of Graduate Studies, An-Najah National University, September 2021 – Present.**
* **Assistant Professor at Civil Engineering Department, An-Najah National University, September 2014 – Present.**

**EDUCATION**

• PhD. Transportation Engineering, Korea Maritime University, South Korea, 2010 – 2013

• MSc. Transportation Engineering, Korea Maritime University, South Korea,2005 –2007

• Post Graduate Diploma. International Transportation and Logistics, Norwegian

Shipping Academy and Arab Academy, Norway and Egypt, 2004-2005.

• BSc. Civil Engineering, An-Najah National University, Palestine, 1999 – 2004

**WORK EXPERIENCE**

* Head of Natural Sciences Department, Faculty of Graduate Studies, An- Najah National University, September 2021 – Present.
* Assistant Professor, Civil Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. August 2014 - Present.

**CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS**

* Member, American Society of Civil Engineering (ASCE), USA, since 2015.
* Member, Institute of Transportation Engineers (ITE), USA, since 2014.
* Member, Korean Engineers Association, since 2011.
* Member, Jordanian Engineers Association, since 2005.
* Member, Palestinian Engineers Association, since 2004.

**COMPUTER SKILLS**

* Traffic analysis software (Synchro)
* Statistical software (IBM SPSS, Microsoft Excel)
* GIS (ArcGIS)
* Highway geometric design (Civil 3D)
* Database Management (MYSQL)
* Computer programming using R language, Visual C++, MATLAB,VB, and PHP.

**TRAINING AND PROFESSIONAL DEVELOPMENT**

* Sea Port Management, Port of Barcelona, Spain, 2005
* Port Logistics, Damietta Port, Egypt, 2005
* Road Safety Awareness, Busan City Hall, South Korea, 2013

**TAUGHT COURSES:**

**MASTER’S COURSES**

* Special Topics in Designing Transportation Facilities
* International Transportation and Logistics

**BACHELOR COURSES:**

* Sustainable Transportation Systems
* Transportation Systems II (Traffic Engineering)
* Transportation Systems I (Pavement + Highway Geometric Design)
* Construction Materials
* Principles of Scientific Research and Writing Skills

**SERVICE ACTIVITIES (INSIDE AND OUTSIDE AN-NAJAH NATIONAL UNIVESITY)**

* ABET Head Committee of Engineering Faculty 2019
* Transportation Strategic Planning Committee, 2017
* Laboratories Developing Committee, 2016
* Social Committee of Engineering Faculty, 2015
* Graduation Projects Committee, 2015

**PUBLICATIONS**

* **Hassouna, F.M.A.; Assad, M.; Koa, I.; Rabaya, W.; Aqhash, A.; Rahhal, A.; Saqf-Alhait, H. Energy and Environmental Implications of Using Energy-Harvesting Speed Humps in Nablus City, Palestine. Atmosphere 2021, 12, 937. https://doi.org/10.3390/atmos12080937.**
* **Hassouna, F. M.**, & Al-Sahili, K. (2020). Practical Minimum Sample Size for Road Crash Time-Series Prediction Models. Advances in Civil Engineering, 2020, 1–12. https://doi.org/10.1155/2020/6672612.
* **Hassouna, Fady M.A**., and Mahmoud Assad. 2020. "Towards a Sustainable Public Transportation: Replacing the Conventional Taxis by a Hybrid Taxi Fleet in the West Bank, Palestine" International Journal of Environmental Research and Public Health 17, no. 23: 8940. https://doi.org/10.3390/ijerph17238940.
* **Hassouna, F. M**., Abu-Eisheh, S., & Al-Sahili, K. (2020). Analysis and Modeling of Road Crash Trends in Palestine. Arabian Journal for Science and Engineering, 45(10), 8515-8527. doi:10.1007/s13369-020-04740-y.
* **Hassouna, F. M.,** & Al-Sahili, K. (2020). Environmental Impact Assessment of the Transportation Sector and Hybrid Vehicle Implications in Palestine. Sustainability, 12(19), 7878. doi:10.3390/su12197878
* **Hassouna, F. M.,** & Al-Sahili, K. (2020). Future Energy and Environmental Implications of Electric Vehicles in Palestine. *Sustainability,* *12*(14), 5515. doi:10.3390/su12145515
* **Fady M. A Hassouna**, Reema Nassar, and Hamees Tubaleh. Electric Vehicles as an Alternative to Conventional Vehicles: A Review**.**10th Annual International Conference on Civil Engineering, Athens, Greece, 2020.
* **Fady M. A Hassouna** and Yeon Woo Jung. (2020). Developing a Higher Performance and Less Thickness Concrete Pavement: Using a Nonconventional Concrete Mixture. Advances in Civil Engineering, 2020(6), 1-8.
* **Fady M. A Hassouna**. Performance Analysis of Modern Roundabouts as An Alternative to Conventional Signalized Intersections: A Comprehensive Review. 3rd International Conference on Science & Technology Research, Prague, Czech Republic, 2020.
* **Fady M. A Hassouna**. (2020). Evaluation of Pedestrian Walking Speed Change Patterns at Crosswalks in Palestine. Open Transportation Journal. 14 (1), 44-49.
* **Fady M. A Hassouna**  and Ian Pringle. (2019). Analysis and Prediction of Crash Fatalities in Australia. Open Transportation Journal. 13, 134-140.
* Sameer Abu Eisheh, Khaled Al-Sahili, **Fady M A Hassouna.** Traffic Safety Programmes in Arabic Countries, presented at International Symposium on Traffic Safety in the Transport Sector, Tunisia, 2018.
* **Fady M. A Hassouna** and Hussein Abu-Zant, ‘Effects of Superplasticizers on Fresh and Hardened Portland Cement Concrete Characteristics’, *IJAST*, Vol.5, Issue 2, ISSN: 227- 869, 2016.
* **Fady M A Hassouna**, ‘Prediction of HV Factor in Expressways Using A Short-Term VDS Data’ PhD diss., Korea Maritime University, 2013, (000002174391).
* Kim Taegun, Jeong Yu Na, **Fady M.A Hassouna**, ‘Delay Predicting Modeling of Urban Freeway using Lane-based Characteristics’, *RISS*, Volume 30, No 5, 467-476, 2010.
* Kim Taegun, Byoung Keun, **Fady M.A Hassouna**, ‘Speed Correlation Models Within the Merge Influence Area of Urban Freeway Using the Lane-based Speed Characteristics’, DBPIA, 2007. 7, 413-421.
* **Fady M A Hassouna**, ‘Accident Correlation Models for Predicting the Accident Occurrence Patterns in Korea’Master’s diss, Korea Maritime University, 2007, (00000207365).
* **Fady M A Hassouna**,‘ EDI Implementation in Container Terminals’, Post Graduate Diploma diss, Arab Academy for Science, Technology & Maritime Transport (AASTMT), 2005.