CURRICULUM VITAE

**PROF. KHAIR S. JADAAN**

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**PERSONAL DATA**

Date of Birth : 27 March 1948

Nationality : Jordan/ New Zealand

Languages : Arabic, English, knowledge of German

**EDUCATION / PROFESSIONAL**

* Doctor of philosophy (Ph.D.) Traffic Engineering and Planning, 1975, University of Bradford, England.
* Master of Science, Transportation Engineering, 1972,University of Leeds, England.
* Bachelor of Science (B.Sc.) Civil Engineering, 1969,University of Basrah, Iraq.
* Fellow, Institute of Highway and Transportation, England.
* Member, Institute of Professional Engineers, New Zealand.
* Member, American Society of Civil Engineers, USA.
* Member, Jordan Engineers Association, Jordan.

**PROFESSIONAL EXPERIENCE**

2009 - Present : **University of Jordan**, Department of Civil Engineering, Jordan.

**Professor** of Transportation Engineering and Planning(x**Head** of Transport Group which consists of 4 Professors and 4 Associate Professors (all Ph.D. holders)

**Sep 2015- Sep 2016 Visiting Professor, the University of Illinois at Urbana Champaign (USA), the University of Auckland ( New Zealand) and Budapest University of Technology and Economics (Hungary).**

1997 - 2009 : **Arab Fund for Economic and Social Development**,

(AFESD) Kuwait. **Senior Engineering Advisor**.

Sep. 2001 - Feb. 2003 : (On Leave from the AFESD)

1. **Advisor to the Minister** of Municipalities and Rural Affairs and Environment, Jordan.
2. **Professor of Transportation Engineering**- Al-Isra Private University, Amman, Jordan

1993 - 1997 : **University of Jordan**, Department of Civil Engineering, Jordan.

**Professor** of Transportation Engineering and Planning, and **Head** of Transport Group.

1990 - 1993 : Works Consultancy Services Ltd.Wellington, New Zealand.

**Senior Transportation Advisor**.

1986 – 1990 Kuwait University, Department of Civil Engineering, Kuwait.

**Associate Professor**

1986 : Institute of Transportation Studies, University of

California, Berkeley, USA

**Transportation Engineering Scholar**.

1985 : University of Canterbury, Department of Civil engineering, New

Zealand.

**Professor of Transportation Engineering**

1976 - 1985 : Kuwait University, Department of Civil Engineering, Kuwait

**Assistant and Associate Professor**.

**Acting Head of Department (1977)**

1975 - 1976 : Baghdad University, Department of Civil engineering, Iraq.

**Assistant Professor**.

1970 – 1971 Stocke Engineering Company, Germany. **Civil Engineer**

1969 : Irbid Municipality, Jordan. **Assistant Civil Engineer**.

**EMPLOYMENT RECORD**

**A: ACADEMIC EXPERIENCE**

Over 40 years teaching and research experience at universities of Leeds (England), Bradford (England), California Berkeley (USA), Canterbury (New Zealand), Auckland(New Zealand), Illinois at Urbana-Champaign (USA), Budapest(Hungary), Baghdad (Iraq), Kuwait, Univ. of Jordan, and Al-Isra (Private University / Jordan)

* Developed, prepared and taught about 15 graduate (M.Sc. and Ph.D. levels) and

undergraduate courses in Transportation/ Traffic engineering

* Supervised several projects, dissertations and theses leading to B.Sc M.Sc. and Ph.D. degrees.Titles of selected theses:

1. An Investigation of Driver Attitudes Towards Road Safety in Kuwait
2. Relationship Between Geometric Design and Driver Expectancy.
3. Prediction and Management of Traffic Noise Along Urban Arterials
4. Traffic-related Air Pollution and the Onset of Childhood Asthma
5. Road Pricing: Behavioral Response and Acceptability
6. Development of an Accident Prediction Model Using Artificial Neural Network (ANN)
7. Modeling of Road Traffic Accidents Using Safety Performance Function
8. Connected Vehicles (CV): Best Practices, Opportunities and Challenges
9. Railway design, Management and Environmental Impacts

* Published over 120 papers in reputable international scientific journals and over 130 papers in international conferences held in about 20 countries

**RECENT PUBLICATIONS**

**JOURNALS (Selected most recent)**

1. Bener A, Jadaan K, Crundall D & Calvi A. The effect of aggressive driver behaviour, violation and error on vehicle crashes involvement in Jordan, International Journal of Crashworthiness, 25:3, 276-283, 2020.
2. Al Matawaha ,J, Jadaan K., Freeman B. Analysis of Speed related behavior of Kuwaiti Drivers Using the Driver Behaviour Questionnaire. Periodica Polytechnica , Volume 46, 2018.
3. Naghawi H, Jadaan K, Al-Louzi R, Hadidi T, Analysis of the operational performance of three unconventional arterial intersection designs: Median U-Turn, Superstreet and Single Quadrant International Journal of Urban and Civil Engineering Vol:12, No:3, 2018, World Academy of Science, Engineering and Technology
4. Siderska J, Jadaan K, Cloud manufacturing: a service-oriented manufacturing paradigm. A review paper, Engineering Management in Production and Services, vol 10(1) pp 22-31, 2018.
5. Jadaan K , Braizat E . Best Practice Approach For A National Road Safety Strategy , Int'l Journal of Research in Chemical, Metallurgical and Civil Engg. (IJRCMCE) Vol. 4, Issue 1 pp 1-6, 2017
6. Jadaan K, Zeater S, Abukhalil Y. Connected Vehicles: An Innovative Transport Technology, Procedia Engineering 187, 641–648, 2017.
7. Bener A, Lajunen T Özkan T Yildirim E Jadaan K The Impact of Aggressive Behaviour, Sleeping, and Fatigue on Road Traffic Crashes as Comparison between Minibus/Van/Pick-up and Commercial Taxi Drivers, Journal of Traffic and Transportation Engineering 5, 21-31, 2017
8. Jadaan K, Khreis H, Torok A. Exposure to Traffic-related Air Pollution and the Onset of Childhood Asthma: A Review of the Literature and the Assessment Methods Used , Periodica Polytechnica , Volume 45 issue 3, 2017.
9. Jadaan K, Bener A, Braizat, E. Formulation of road safety strategy for developing countries with special reference to Jordan, Advances in Transportation Studies an International Journal B 40, pp. 101-111. , 2016.
10. Jadaan, K, Rashid, D. Wrong-Way Driving (WWD) Crashes on Divided Highways: Characteristics, Contributing Factors and Countermeasures, International Journal of Scientific Research and Reviews(IJSRR) 5(3): 49-57, 2016 (ISI Indexed)
11. Jadaan K, Okasha A. Developing a Traffic Noise Prediction Model For Jordanian Conditions, Journal of Geotechnical and Transportation Engineering , 2(1): 7-13 , 2016.
12. Jadaan K, Msallam M, Abu-Shanab D, 1. The Impact of Road Traffic Noise on Hospital Workers, Indian Journal of Science and Technology, 9(1):1-8,2016
13. Jadaan. k., Al-Fayyad, M., and Gammoh, H. 2014. Prediction of Road Traffic Accidents in Jordan using Artificial Neural Network(ANN). Journal of Traffic and Logistics Engineering, 2: 92-94.

* Developed/ participated in **developing manuals:** 1- Safety Audit.2- Traffic Conflict Technique: User’s Manual.
  1. **Reviewer** for research output; reports and publications for:

1. a Scientific and Technical Committee & Editorial Review Board Member of the World Academy of Science, Engineering and Technology.
2. Transportation Research Board (TRB) of USA.
3. Australian Road Research Board of Australia.
4. University of California, Berkeley of USA.
5. Several International Journals such asAccident Analysis&Prevention

* Advisor to many government departments in New Zealand, Kuwait and Jordan.
* Author/ Editor of books on Traffic accidents before and after 1976 traffic law and Current traffic problems in Kuwait.
* **Prepared over 50 appraisal reports for projects funded by AFESD**.
* Chairman/member of several international, regional and local conferences.

**B: CONSULTING EXPERIENCE**

2020 **UNRSF Senior Consultant and Local Team Leader**, Restraint System Project

2019, 2020 **UN National Consultant**, Transport Connectivity Project

2019 **Advisor to the Minister of Transport / Jordan** (several Transportation Projects) Advisor/Consultant **COMCEC Funded** projects (Railways)

2018 Advisor/Consultant **UNICE**F Child Safety project, Jordan

2017 Member, **the National Team**, National Road Safety Strategy **(Appointed by the Prime Minister)**

2015 – Present Member, **the Supreme Advisory Committee**, National Railway Network (**Appointed by the Prime Minister**)

1997 - 2009 **Arab Fund for Economic and Social Development,Kuwait**.

**Senior Engineering advisor**,

2002 - 2003 :  **Advisor to the Minister of Municipalities/ Jordan** k (On leave from the AFESD)

1993 - 1997 : a) **Advisor to the Royal Committee** for the preparation of a **Master Plan for Zarka City, Jordan**

b) **Managed** **and worked** on several highway, transportation and infrastructure projects with local and international consultants

1990 - 1993 : a) **Works Consultancy Services** Ltd, Wellington. New Zealand.

Senior traffic engineer.

b) **Participated** in developing a National Safety Audit Manual

1983 - 1985 : a) **Advisor** to the Emiri Diwan, Kuwait to evaluate the public

transport system and put a strategy for its improvement.

b) **Advisor** to the Supreme Traffic Council, Kuwait:

1984 - 1985 : **Consultant** to the Directorate of Research and Studies, Ministry

of Interior, Kuwait.

1981 - 1983 : **Advisor** to the General Traffic Directorate, Kuwait

1970 : **Stocke Engineering Company**, West Germany.

* + - 1. - 1970 **Civil Engineer**, Irbid Municipality, Jordan
* **Elected Vice President**, International Association for Accidents and Traffic Medicine, UK.
* **Member of KFAS** (Kuwait Foundation for Advancement of science), Prize

Evaluation Committee.

* **Member of the** Scientific and Technical Committee & Editorial Review Board of the **World Academy of Science, Engineering and Technology**.

**MEMBER OF THE EDITORIAL BOARD OF**

* **Advances in Transportation Studies, Italy,**
* **the International Journal Periodica Polytechnica ( Transportation ),Hungary,**
* **the Journal of Geotechnical and Transportation Engineering, USA,**
* the **Journal of Traffic and Logistics Engineering**, , Engineering and Technology Publishing (ETP), **USA,**
* **the Jordan Journal of Civil Engineering**, Jordan University of science and Technology, **Jordan**.(2013-2016),

**CHAIRMAN/MEMBER OF THE SCIENTIFIC COMMITTEE  OF SEVERAL  INTERNATIONAL CONFERENCES.**