

Curriculum Vitae
KHALED ZEYAD RAMADAN
PE, CE, Professor in Civil Engineering
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Department of Civil Engineering, University of Petra
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EDUCATION

PhD in Civil Engineering / Highway paving materials, Bogazici Universitesi (Bosphorus University, American University at Istanbul, previously known as Robert College, established in 1863. QS World University Rankings 2015/16 (University Rank is 441-50, Faculty of Engineering Rank = 250)

Website: <http://www.topuniversities.com/universities/bogzici>
Istanbul-Turkey, 1991-1995.

M.S. in Civil Engineering / Highway paving materials, Bogazici University. Istanbul-Turkey, 1989-1991.

B.S. in Civil Engineering, The University of Jordan. Amman-Jordan, 1982-1987.

PROFESSIONAL DEVELOPMENT

Promotions

- 31, August, 2020. Promoted to Full Professor in Civil Engineering
- 5th of May, 2019. Obtained the rank of Consultant Engineer in Civil Engineering – Engineering Education. Jordan Engineers Association, Membership No.: 108473.
- 12th of December, 2011. Promoted to Associate Professor in Civil Engineering.

Research interests

- Highways Design and Planning.
- Flexible and Rigid Paving Materials and Maintenance, and
- Traffic Safety issues.

Scores, Citations and h-Index

h-index for Google Scholar and Scopus. RG score, Research Interest and Reads scores for Research Gate, as in December 7th, 2020.

Research Engine	Hyperlink	h-index or RG Score	I10 index	Citation	Research Interest	Reads
Google Scholar	https://scholar.google.com/citations?user=0gL4lgUAAAAJ&hl=en	9	7	192		-
Scopus	https://www.scopus.com/authid/detail.uri?authorId=26531883600	4		65	-	-
Research Gate	https://www.researchgate.net/profile/Khaled_Ramadan9	9.35		136	197.4	5681

JOB HISTORY

September 2020- Current

Full Professor, Chairman of the Civil Engineering Department, University of Petra (UOP).

September 2016 – 2020

Associate Prof., Dean of Engineering and Chairman of the Civil Engineering Department, University of Petra (UOP).

September 2015 – September 2016

Associate Prof., Department of Civil Engineering, Applied Science University (ASU), Amman-Jordan.

Duties: Taught, supervised graduate projects and participated in departmental committees.

December 2011 – September 2015

Chairperson and Associate Prof., Civil Engineering Department, Applied Science University (ASU), Amman-Jordan.

Duties: Chaired department meetings, managed the departmental budget, recruited qualified faculty staff, developed department's laboratories, served in related committees, coordination with the industry, taught courses as well as supervised graduation projects.

October 2007 – December 2011

Chairperson and Assistant Prof., Civil Engineering Department, Applied Science University (ASU), Amman-Jordan.

Duties: Chaired department meetings, managed the departmental budget, recruited qualified faculty staff, served in related committees, coordinated with industry, taught courses as well as supervised graduation projects.

September 2006 – October 2007

Dean of Engineering and Assistant Prof., Faculty of Engineering, Applied Science University (ASU), Amman-Jordan.

Duties: Directed, managed, supervised and coordinated the programs and activities of the Engineering Division in Academic Affairs; Managed enrollment to maximize use of faculty loads and space resources such as classrooms and laboratories; Directed hiring of full time faculty, adjunct faculty and full and part-time staff; Conduct regular evaluation of faculty and non-faculty staff; Participate in the development and administration of budget and responded to and resolved complaints by students and staff faculty.

September 2003 – September 2006

Chairperson and Assistant Prof., Civil Engineering Department, Applied Science University (ASU), Amman-Jordan.

Duties: Chaired department meetings, managed the departmental budget, recruited qualified faculty. Supervised development of department laboratories, served in related committees, coordinated with the industry, taught courses as well as supervised graduation projects.

October 2001 – September 2003

Assistant Prof., Department of Civil Engineering, Applied Science University (ASU), Amman-Jordan.

Duties: Taught, supervised graduate projects and participated in departmental committees.

February. 1999 – October 2001

Chairperson and Assistant Prof., Department of Civil Engineering, Al Isra' private University, Amman-Jordan.

Duties: Chaired department meetings, managed the departmental budget, recruited qualified faculty and supervised the development of department laboratories. Coordinated and served in related committees, coordinated with the industry, taught courses as well as supervised graduation projects.

September 1998 – February 1999:

Assistant Prof., Department of Civil Engineering, Al Isra' University, Amman-Jordan.

Duties: Taught, supervised graduate projects and participated in departmental committees.

June 1995 – September 1998

Assistant Prof., Department of Civil Engineering, Eastern Mediterranean University (EMU), North Cyprus.

Duties: Development of department laboratories, teaching, supervising a master's student, teaching graduate and undergraduate courses, supervising graduation projects and participating in departmental committees.

Courses Taught

Graduate Courses Taught at The University of Jordan (JU) and Eastern Mediterranean University, North Cyprus (EMU):

Discipline	Level	Course Title	Place
Geotechnical	Graduate (PhD)	Applications of Geo-synthetics in Earthworks.	EMU
Materials, design and maintenance of Highway Pavements	Graduate (PhD)	1.Stresses in Flexible and Rigid Pavements. 2.Special Topics in Civil Engineering (Modeling by SAAP 90 software).	EMU
Highway Geometric Design	Graduate (Masters)	Advanced Highway Geometric Design	JU

Undergraduate Courses Taught at different Universities:

Discipline	Course Title	Place
Highway Engineering	Highway Geometric Design	EMU, JU, ASU, Al-Isra', UOP
Transportation and Traffic Engineering	1.Transportation and Traffic Engineering. 2.Urban Transportation Planning. 3.Planning and design of Airports. 4.Railway and airports planning and design.	EMU, ASU, Al-Isra', ASU, UOP
Materials, design and maintenance of Highway Pavements	1.Materials, design and maintenance of Highway Pavements. 2.Highway Paving Materials Lab.	EMU, ASU, UOP
Surveying	1.Surveying I. 2.Surveying Lab. (Including Total Station).	ASU, Al-Isra', UOP
Materials of Construction and Materials Science	1.Materials of Construction. 2.Materials of Construction Lab. 3.Materials Science.	Al-Isra', EMU, UOP
Engineering Geology	Engineering Geology	Al- Isra'
Statics, Strength of Materials, Concrete Design, and steel design	1.Statics and Mechanics of Construction (Statics and Strength of Materials). 2.Concrete design for Architectures. 3.Steel design of tension and compression members for Architectures.	ASU
Specifications, Contracts and Quantity Survey	Specifications, Contracts and Quantity Survey.	ASU
Engineering Drawing	Civil Engineering Drawing.	EMU
Computer Applications	Computer Applications (DOS and Windows Operating Systems).	EMU (1995-1998)
Special Topics in Civil Engineering	Advanced Pavement Design (stresses in flexible and rigid pavements).	ASU

Supervising and Evaluating Graduate Research

Master Thesis Advisor, 1996-1997

Eastern Mediterranean University, Famagusta, North Cyprus.

Thesis Title: "The Utilization of Polyethylene Terephthalate Polymer Waste Product in Asphalt Cement Modification for the use in Road Surfacing".

Student: Mohammad Usman Khan.

Evaluation members: Prof. Dr. E. Tuncer and Dr. E. Gucbilmez.

Master Thesis Committee Evaluation Member

No	Uni.	Thesis Title	Student's Name	Supervisor	Month & Year
40	JUST	Evaluation of Pavement Condition of the Street Network in Jerash City Using the Computerized PAVER System	Linda Zaid Abu Ghazaleh	Prof. Dr. Turki Obaidat	June,2022
39	AAU	Optimizing the Distribution of Public Transportation Stops Using Geographic Information Systems: A Case of Amman City	Maram Mahmoud Al Harbi	Dr. Mohammad Hassan	June,2022
38	JUST	Static Creep of Modified Asphalt Mixtures using Crumb Tire Rubber (CTR), Microcrystalline Synthetic Wax (MSW) and Nono-Cilicia (NS)	Saja Faris Al Theeb	Dr. Aslam Al Omari Co Advisor Dr. Mohammad Khasawneh	Dec. 2018
37	JUST	The Impact of using Crumb Tire Rubber, Synthetic Wax, and Nano Silica Modifiers on Asphalt Binder Rheology	Ahmad Al Hosainat	Dr. Aslam Al Omari Co Advisor Dr. Madhar Taamneh	May 2017
36	JU	Evaluation and Comparison of Six Unconventional Intersection Designs	Ghayd'a W. Zawawa	Dr. Hana Naghawi	April 2017
35	JUST	Modeling of Time-Temperature Superposition Shift Factor for Hot Mix asphalt	Esraa I. Al Rashaydh	Prof. Dr. Sa'ad Abo-Qdais	August 2016
34	JUST	Estimating Parking Needs for Hospitals in Amman	Rana A. Al Shafie	Prof. Dr. Taisir Khedaywi Co- Advisor Prof. Dr. Hashem Al Masaeid	June 2016
33	JUST	Effect of Aggregate Gradation and Filler Content on HMA Performance and Air Void Distribution	Khaled A. Al-Shraiedeh	Prof. Dr. Sa'ad Abo-Qdais	May 2016
32	Just	The Micro-Analysis of Bituminous Mixture Using Cellular phones and Image Processing Techniques	Mai M. Alawneh	Prof. Dr. Mohammed T. Obaidat Co-Advisor Dr. Khalid A. Ghuzlan	May 2016
31	Isra'	Development of Pavement Maintenance Management System in Urban Areas (Case Study)	Ali B.A. Al-Shamayleh	Dr. Majed Msallam	May 2016
30	JUST	Rutting Prediction of Flexible Pavements Using Finite Element Models	Malak E. Shwaikeh	Dr. Khlaed Ghuzlan Co Advisor Dr. Ghazi Al-Khateeb	May 2016
29	JU	Investigating Land Use and Traffic Congestion in Urban Areas Using GIS	Lina M. Al Tweigat	Dr. Rana Al-Imam	April 2016
28	JUST	Rheological Properties of Asphalt Binder Modified by SBS, Polyethylene or Lime	Abeer Al-Rifai	Prof. Dr. Sa'ad Abo-Qudais Co.-Advisor Dr. Mohammad khasawneh	Jan. 2016
27	JU	Developing Trip Generation Rates for Restaurants in AMMAN	Ayat Al Madadha	Dr. Rana Imam Co-Advisor	Dec. 2015

				Prof. M.ud Al Battah	
26	JU	Effectiveness of On-Street Parking Management System in Amman	Rana I. Abed	Prof. Dr. Adli Balbesi	Nov. 2015
25	JUST	The Rheological Properties of Sasobit Modified Asphalt Binder	Moh'd O. Al Assi	Dr. Khalid Ghuzlan	Aug. 2015
24	JUST	Study of the Economic Costs of Road Accidents in Jordan	Maen Q. Ghadi	Prof. Dr. Taisi Khedawi Co-Advisor Prof Dr. Hashem Al Masaeid	Aug. 2015
23	JU	Developing Tariff System for Public Transit Buses in Madaba	Ala'a Abu Qadoorah	Dr. Moh'd Naser	Aug. 2015
22	Isra'	Management and Evaluation of Multi-lane Highway (Case Study – Jordan)	Rami Al Kouz	Prof. Dr. Basim Jrew Co Advisor : Dr. Majed Msallam	May 2015
21	Isra'	Developing a Pavement Maintenance Management System of Highway in Jordan Using Micro PVR Pavement Software "Case Study"	Amal Al Krabsheh	Prof. Dr. Basim Jrew Co Advisor : Dr. Majed Msallam	July 2014
20	JUST	Healing of Fatigue Cracking in Hot Mix Asphalt Mixtures	Walaa H. Darwish	Prof. Dr. Fouad A. Gharaybeh Co- Advisor: Prof, Dr. Saad Abo-Qudais	Dec. 2013
19	JU	Accessibility and Traffic Impact assessment of Madaba City: Before and After being Tourist City	Amani S. Al Taamsea	Prof. Dr. Adli Balbesi	Dec. 2013
18	JU	Modeling of Trip Attraction for Commercial Banks in Amman	Rajaa H. Hussein	Prof. Dr. Adli Balbesi	May 2013
17	JUST	Comparison between Unconfined Dynamic Creep and Simple Performance Tests for Superpave Asphalt Mixtures	Moh'd S. Elayan	Dr. Ghazi Al Khateeb	Feb. 2013
16	JU	A Study of Factors Affecting Highway Accident Rate in Jordan	Suzanne Al-Jazzazi	Prof. Dr. Adli Balbesi	Dec. 2012
15	JU	Analysis of Traffic Parameters Affecting Gap Acceptance at Major Minor Roads of Un signalized Intersections	Walaa Al Mhairat	Prof. Dr. Adli Balbesi	April 2012
14	JU	Investigation of Travel time in Jordan	Yazan Al Banna	Prof. Dr. Adli Balbesi	Aug. 2011
13	JUST	Performance Based Comparison between Super-pave and Marshall Asphalt Mixtures Using Limestone Aggregates In Jordan	Khaled E. Al-Balas	Dr. Ghazi Al-Khateeb	May 2011
12	JU	An Investigation Into Auto Travel Cost in Jordan	Sadiqa A. Khandaqji	Prof. Dr. Khair Jadaan	May 2011
11	JU	Effect of U-Turn Movement on Saturation Headway at Signalized Intersections	Hani A. Al Bitar	Dr. Mohammad Al Tarawneh	April 2008
10	JU	Evaluation of Pedestrians Walking Speed in Jordan	Murad Al Dababseh	Prof. Dr. Adli Balbissi	May 2008
9	JUST	Estimation of Emergency Rescue Time fo Road Accident Causalities in the Northern Parts of Jordan	Ikhlass K. Salleh	Prof. Dr. Hashem.Masaeid	May 2007
8	JUST	Evaluating Marshall and Super-pave VMA Requirements by using the Rational Surface Area Approach	Mohannad S.Ahmad	Prof. Dr. Fouad Garaybeh	Mar. 2007
7	JU	Characteristics of Pedestrian Accidents in Jordan	Raed Ihsan Kanj	Dr. Mohammad Al Tarawneh	May 2006
6	JUST	Effect of Utility Cuts on Pavement Condition of the Street Network in	Alaa' M. Al-Sharoua	Prof. Dr. Turky Aubaidat	Oct. 2006

		Irbid City			
5	JU	Public Transportation Demand in Amman	Amin H. D. Al Hajji	Prof. Dr. Adli Balbissi	Aug. 2006
4	JU	Entering Time Headway on Signalized Intersections in Jordan	Waleed Al Sayfee	Prof. Dr. Adli Balbissi	Mar. 2006
3	JUST	Evaluation of Road Pavement Maintenance by Contract in Jordan	Muna Shdefat	Prof. Dr. Turkey Aubaidat	June 2005
2	JU	Evaluation of The Effect of Mineral Aggregate Voids on Asphalt Mixtures Design	Essam A. M. Qubaja	Prof. Dr. Adli. Balbissi	April 2005
1	EMU	Permeability Characteristics of soils in Cyprus	Riyadh Amro	Prof. Dr. Erdenc Tuncer	Mar. 1998

JU: the University of Jordan, JUST: Jordan University of Science and technology, Isra': Al-Isra' University, AAU: Al Ahliyya Amman University, EMU: Eastern Mediterranean University (North Cyprus).

Grants and Funding Received

Grant Number	Provided by	Research Title	Duration	Grant Amount	Research Status
1/7/2020	UOP	Production of Hydrophobic Modified Sand and Powder Mixture Free from Deteriorating Salts for Some Construction Purposes	1 year	3165 JD	On Going Project
208-2018	UOP	Evaluation of Waste Styrofoam Modified Asphalt for the use in HMA	1 year	700 JD	Finished and Published
DRGS_ 2013 – 2014 – 19 (SCIENTIFIC RESEARCH SUPPORT)	ASU	Self - Healing of Self – Compacting Rigid Pavement Concrete Cracked by Compressive Loading	2 years	1950 JD Expanded by 450 JD	Finished and published
DRGS_ 2012 – 2013 – 21 (SCIENTIFIC RESEARCH SUPPORT)	ASU	Freezing Thawing Resistance of Concrete Incorporating Glass Waste	2 years	1990 JD	Finished and published
DRGS-2008-4 (Scientific research support)	ASU	Skid Resistance as a safety Measure on Hazardous location in Jordan	1 year	900 JD	Finished and published
.DRGS_ 2007 _8 (SCIENTIFIC RESEARCH SUPPORT)	ASU	Utilization of Cement Dust in Asphalt Hot-Mixes	1 year	1700 JD	Finished and published
DRGS-2009-8 (SCIENTIFIC research support)	ASU	Evaluation of the Effectiveness of storm Water Facilities for controlling Highway Runoff	1 year	1700 JD	Finished and published
Grant NO: DRGS-2009-9 (Scientific research support)	ASU	Production of self-Compacted Concrete by using oil shale dust	1 year	1900 JD	Finished and published
INTAG 606,Construction Technology Research Grant Committee (TUBITAK), Istanbul - TURKEY, 1993, amount \$20,000	Bosphorus University	Utilization of Fly Ash in The industry	3 years	20,000 USD	Finished and published

Establishing and Updating Civil Engineering Laboratories

- Rebuilt the highway paving materials laboratory for the civil engineering department at Bogazici University (Istanbul-Turkey) in the year 1990.
- Helped in establishing and equipping the highway, surveying, soil mechanics and materials of construction laboratories for the civil engineering department at Eastern Mediterranean University (EMU), North Cyprus in the year 1995-1997.
- Updated and upgraded the highway, surveying, materials of construction, soil mechanics, fluid mechanics and sanitary engineering and computer laboratories for the civil engineering department at the Applied Science University.
- Supervised the design of new laboratories and workshops for the new college of engineering at the University of Petra (April 2016).
- Equipped and furnished laboratories of the Department of Civil Engineering at the new engineering college at the University of Petra, (January-May, 2017).

Membership of Associations, Societies and Professional Committees

- Member of the Advisory Board for the Jordan Journal of Civil Engineering (JJCE). An international refereed and indexed Journal funded by the scientific research fund- Jordan. Ministry of higher education and Jordan University of Science and Technology, ISSN 1993-0461, ISSN 2225-157x. Since 2020
- Member of the Commission for Accreditation of Higher Education Institutions and Quality Assurances / civil Engineering Program
- Liaison for the university Qualification Examination with the Higher Education Accreditation Committee, 2008-2015.
- Member of the National Committee of Jordanian Highways Code, Ministry of Public Works and Housing (MPWH), since 2008.
- Jordan Road Society, since 2007.
- Jordan Society for the Prevention of Road Accidents, since 2007.
- Jordan Engineers Association, since 1987.

Steering Committee Member and Reviewer

- Steering Committee member and peer-reviewed papers for the Sixth International Traffic Safety Conference, 19-20, November 2012, Land Mark Hotel, Amman-Jordan.
- Steering Committee member and peer-reviewed papers for the Zarqa second scientific conference, 2010.
- Steering Committee member and peer-reviewed papers for the Jordan International Conference on Sustainable Development of Transportation Systems, Amman-Jordan, April 2004.
- Steering Committee member and peer-reviewed papers for the seventh Jordanian International Civil Engineering Conference “Reconstruction of Damaged Zones” (JICEC07) Jordan Engineers Association (JEA), 9-11, May 2017.

Act As a Reviewer for:

- Korean Society of Civil Engineering (KSCE), Journal of Civil Engineering.
- The Jordan Journal of Civil Engineering (JJCE). An international refereed and indexed Journal funded by the scientific research fund- Jordan. Ministry of higher education and Jordan University of Science and Technology, ISSN 1993-0461, ISSN 2225-157x.
- The International Journal of Pavement Engineering, manuscript ID GPAV-2011-0046, and manuscript ID GPAV-2011-0086.

MEMBERSHIP OF DEPARTMENT AND FACULTY COMMITTEES

- Chair of the ABET general committee
- Chair of the department accreditation committee
- Chair of the department social activities committee
- Chair of the department study plan committee
- Member of the department curriculum committee
- Member of the faculty social activities committee

TRAINING COURSES OFFERED

Course Title: Highways geometric Design.

Place: The Consultation Center at the University of Jordan.

Duration: 25 training hours, starts on 8th June to 16th June 2006.

Benefited People: Municipal Engineers.

TRAINING COURSES ATTENDED

- “Designing of Concrete Flat Slabs and Mat Foundation” / EN, Product: STAAD RCDC FE, Version: CONNECT Edition, Training Partner: Digital Fusion

Information Technology. Bentley Institute. Learning Units: 2, December 15th, 2020. Certificate ID:1998182323

- “Advanced Concrete Design Workflow in STAAD. Pro”/EN, Product: STAAD Pro, Version: CONNECT Edition, Training Partner: Digital Fusion Information Technology. Bentley Institute. Learning Units: 2, December 8th, 2020. Certificate ID:1899975783
- “Generate Working Drawings (using STAAD Steel Autodrafter)” /EN, Product: STAAD Pro, Version: CONNECT Edition, Training Partner: Digital Fusion Information Technology. Bentley Institute. Learning Units: 2, December 1st, 2020. Certificate ID:2012590450
- “Foundation Design Training” /EN, Product: SSTAAD Foundation Advanced, Version: CONNECT Edition, Training Partner: Digital Fusion Information Technology. Bentley Institute. November 24th, 2020. Certificate ID:2106849623
- “AutoDesk Revit Structure”, Product: Revit Structure 2020”, AutoDesk Authorized Training Center: OMNIPLAN, Course Date: 04-22 November 2020, 40 Training hours.
- “UTAS-0060-C Asphalt Binder Analyzer From UTEST, Offered by SYTS. Highway Paving Materials Laboratory at UOP. 9-11, March, 2020. 12 Training hours.
- “DNA Performance”. 9 hours of training offered by Case in Point, trainer: Mr. Tariq Al Nshewati, Place: UOP Club, 29 Sept. – 2 Oct. 2019.
- “Planning Program and Course Learning Outcome Assessment: A Practical Approach Workshop”. Offered by Dr. Ruth Newberry: Principal Consulting Specialist. Place: UOP club, 26 Sept. 2019.
- “ArcGIS 1: Introduction to GIS”. 16 hours of training conducted by InfoGraph, Amman-Jordan, Completed on the 4th of February, 2019.
- “ArcGIS 2: Essential Workflows”. 24 hours of training conducted by InfoGraph, Amman-Jordan, Completed on the 7th of February, 2019.
- A Coursework and Training for Strength of Materials Laboratory Test Instruments From SYTS for a duration of 5 days (6 hours per day), 12 – 16 Jan. 2019
- A Coursework and Training for Highway Paving Materials Laboratory Test Instruments from Middle East Technology (MidTech) for a duration of 5 days (6 hours per day), 2 – 6 Jan. 2018.
- A Coursework and Training for Soil Mechanics Laboratory Test Instruments from SYTS for a duration of 5 days (6 hours per day), 7 – 11 Jan. 2018.

- A Training course for Fluid Mechanics Laboratory Test Instruments from Middle East Technology (MidTech) for a duration of 15 hours, 27-31 Jan. 2018.
- A workshop on Climate change and the associated challenges, 29 Dec. 2018, Jordan Engineers Association, Amman-Jordan.
- A training course on Blackboard Teaching Readiness Training at Petra University, 21-22 April 2018.
- "Water analysis using BOD, COD, Ph, Conductivity, Dissolved Oxygen, Spectrophotometer, and Colorimeters" used in environmental laboratory offered by Spectrum Scientific. Total of 40 hours 12-23 March 2017.
- "CIVIL 3D, v. 2012". Offered by Eng. Yahia Obaidat and Anwar Al Olama' Center. Amman-Jordan, 1-30 Dec. 2015.
- "Sokkia GPS RTK Model GRX2 and Sokkia SET05N Total Station" held at Al Balqa for Surveying Art Co. , 05-13 March 2014
- "Surveying (Total Station and GPS)", held at The University of Jordan, Center of Consultation, 2-30 November 2013.
- Authorized KSG PV specialist, PV Training Course. Offered by Kirchner Solar Group Authorized PV Specialist. January 2013. The training course included: Photovoltaic Basic I, Photovoltaic Basic II, Photovoltaic Grid Connection, Photovoltaic Tracker and Photo voltaic off Grid Systems.
- A workshop on preparing the accreditation report files, Applied Science University, Amman-Jordan, 17-18 April 2012.
- A course in "ARC – GIS SOFTWARE", Optimum Vision for Engineering Services (O.V.E.S.), Amman-Jordan, 4-15 April 2010.
- "ADOBI CREATIVE SUITE 4 DESIGN STANDARD", Graph East Jordan-Amman, 1-24 November 2009.
- "Total Quality Management Program", Applied Science University, 10-14 February 2008
- American Concrete Institute (ACI) "BASIC CONCRETE TECHNOLOGY AND RELATED FIELD PRACTICE", the Royal Scientific Society, Amman-Jordan, 23-25 October 2007.

- “Highway Design Using AutoCAD Land Development Desktop 2004”, Engineering Training Center of Jordan Engineers Association, Amman-Jordan, 13-23 February 2005.
- “Developing and Improving the Teaching Skills and Abilities of the Teaching Staff”, Applied Science University, Amman-Jordan, 29 September – 2 October 2004.

Published, Submitted for Publication and Ongoing Research:

Ongoing Research

Khaled Z. Ramadan and Mayyas Al Remawi, “**Production of Hydrophobic Modified Sand and Powder Mixtures Free from Deteriorating Salts for Construction Purposes**”.

Published Journal Papers

1-Khaled Z. Ramadan, Ghazi G. Al Khateeb and Madhar M. Taamneh, (Submitted on July 29, 2019), Accepted for Publication on Nov. 27, 2019, “**Mechanical Properties of Styrofoam-Modified Asphalt Binders**”, Submitted to the: International Journal of Pavement Research and Technology, Manuscript No.: JPRT-D-19-00200. ISSN: 1996-6814, Springer

2- Khaled Ramadan and Sa’d Abo Qudais, (Submitted on 8 Jan., accepted on 8 May, 2017), “**Effect of Superpave Short-Term Aging on Binder and Asphalt Mixtures Rheology**”, Submitted to the Journal of Periodica Polytechnica Transportation Engineering, ISSN 0303-7800, <https://doi.org/10.3311/PPtr.10477>, Creative Commons Attribution, Volume 45, issue 4, pp. 196-205 (# of citations: 3 as in October 10, 2019)

3- Khaled Z. Ramadan and Moayyad AL-Nasra, (April 2017), “**The use of Polymer in Concrete as Water Blocker in Rigid Pavements**” Journal of Engineering and Applied sciences, Vol.12, issue 20, pp. 5312-5316, Medwell Journals, 2017. ISSN1816-949x (print), 1818-7803 (online).

4- Khaled Z. Ramadan, (December 2016), “**Hierarchal Model for Solving Resource-Constrained Makespan Constraint**”, International Journal of Civil and Environmental Engineering IJCEE-IJENS vol.16 No 06, pp. 9-20, 2016.

5- Mohamad Daoud, Moayyad Al-Nasra, and Khaled Ramadan, (October 2015), “**Investigating the Transitional State Between Rectangular Plates and Shallow Shells**”, International Journal of Civil and Structural Engineering-IJCSI, ISSN: 2372-3971, Volume 2: Issue 2.

6- Ramadan, Khaled and Hadad, Rami (August 2015), “ **Self-Healing of Overloaded Self-Compacting Concrete of Rigid Pavement**”, European Journal of Environmental and Civil Engineering. <http://dx.doi.org/10.1080/19648189.2015.109031>. Taylor & Francis. (# of citations: 2 as on October 10, 2019).

7- Raed Abende, Khaled Ramadan, Rami Hadad, and Musa Bani Baker, (October 2015), “**Freezing Thawing Resistance of Concrete Incorporating Glass Waste**” Journal of Materials Science Research, Vol. 4, No. 4.

8- Ghazi Al-Khateeb, and Khaled Z. Ramadan, (January, 2014), "**Investigation of the Effect of Rubber on Rheological Properties of Asphalt Binder Using Superpave DSR**", Korean Society of Civil Engineering (KSCE) (0000) 00(0): 1-9 Journal of Civil Engineering, Highway Engineering, Received December 24, 2012, Revised November 22, 2013, Accepted January 27, 2014, Published online September 30, 2014, pISSN 1226-7988, eISSN 1976-3808, www.springer.com/12205, DOI 10.1007/s 12205-012-0629-2. (# of citations: 24 as on October 10, 2019).

9- Maram Tawil, Christa Reicher, Khaled Zeyad Ramadan, and Mais Jafari, (March, 2014), "**Towards More Pedestrian Friendly Streets in Jordan: The case of AL Medina Street in Amman**", Journal of Sustainable Development; Vol. 8, No. 2, ISSN 1913-9063, E- ISSN 1913-9071, pp 144-158, DOI:10.5539/jsd.v7n2p144, URL: <http://dx.doi.org/10.5539/jsd.v7n2p144>. (# of citations: 7 as on October 10, 2019).

10- Khaled Z. Ramadan and Iyad M. Muslih, (2011), "**Skid Resistance as A Safety Measure in Jordan**" Jordan Journal of Applied Science, "Natural Science Series", Volume 11, Issue 1. (# of citations: 3 as on October 10, 2019).

11- Khaled Z. Ramadan, Khair S. Jadaan, and Iyad M. Muslih, (February 2013), "**A New Technique For Relating Post-Collision To Pre-Collision Speeds In Automobile Accidents**", IRACST-Engineering Science and Technology: An International Journal (ESTIJ), ISSN: 2250-3498, Vol.3, No. 1.

12- Muhannad H. Ismeik, Ahmed M. Ashteyat, and Khaled Z. Ramadan, (Accepted May 2012, Published 24 Sep. 2012), "**Stabilization of Fine-Grained Soils with Saline Water**", European Journal of Environmental and Civil Engineering (EJECE). Taylor & Francis, 2012 pp.1-14, ISSN 1964-8189 print/2116-7214 online. DOI: 10.1080/19648189.2012.720399. (# of citations: 9 as on October 10, 2019).

13- Ahmed M. Ashteyat, Muhannad H. Ismeik and Khaled Z. Ramadan. (May 2012), "**Strength Development Models of Concrete with Silica Fume as Fine Aggregate Replacement Materials**", Global Journal of Research in Engineering GJRE, Volume 12, issue 3, version1, pp 32-37. ISSN 0975-5861 (print) / ISSN 2249-4596 (online). (# of citations: 5 as on October 10, 2019).

14- Saleem Z. Ramadan and Khaled Z. Ramadan, (March 2012), "**Bayesian Simple Step-Stress Acceleration Life Testing Plan Under Progressive Type-I Right**

Censoring for Exponential Life Distribution", Journal of Modern Applied Science, Canadian Center of Science and Education (CCSE), Vol.6, No. 3, pp.91-99.ISSN 1913-1844 (Print), ISSN 1913-1852 (Online). (# of citations: 6 as on October 10, 2019).

15- R. Abu-Mallouh, I. Abu-Alshaikh, H.S. Zibdeh and Khaled Ramadan, (2012). **"Response of Fractionally Damped Beams with General Boundary Conditions Subjected to Moving Loads"** DOI: 10.3233/SAV-2010-0634, Journal: Shock and Vibration, vol. 19, no. 3, pp. 333-347.

16- Ahmem M. Ashteyat, Khaled Z. Ramadan, Rami H. Hadad and Abdalla Qudah, (2011), **"Properties of Portland Cement Mortar Incorporating White Cement Bypass Dust"**, Canadian Journal of Civil Engineering (CJCE), 38:1355-1362. (# of citations: 4 as on October 10, 2019).

17- Khaled Z. Ramadan and Ahmed M. Ashteyat (2009). **"Utilization of White Cement by Pass Dust as filler in Asphalt Concrete Mixtures"**, Canadian Journal of Civil Engineering (CJCE), 36:191-195. (# of citations: 9 as on October 10, 2019).

18- Anis S. Shanawi, Mu'tasim S. Abdel-Jaber, Ma'en S. Abdel-Jaber and Khaled Z. Ramadan, (2008). **"Effect of Jordanian Steel Furnace Slag on Asphalt Concrete Hot Mixes"**, Jordan Journal of Civil Engineering (JJCE), An International Refereed Research Journal, Volume 2, No. 3, pp.197-207. (# of citations: 10 as on October 10, 2019).

19- Turki I. Suleiman Obaidat, Muna S. Shdeifat and Khaled Z. Ramadan, (2007), **"Evaluation of Road Pavement Maintenance by Contract in Jordan"**, Jordan Journal of Civil Engineering (JJCE), An International Refereed Research Journal, Volume 1, No. 3, pp.221-233. (# of citations: 1 as on October 10, 2019).

20- Khaled Z. Ramadan and Adli Al Balbissi, (2007), **"Utilization of Lightweight Tetrapod Aggregate Produced from a High Calcium Fly Ash in Civil Engineering Applications"**, Jordan Journal of Civil Engineering (JJCE), An International Refereed Research Journal, Volume 1, No. 2, pp.194-201. (# of citations: 1 as on October 10, 2019).

Conference Papers:

1- Mohamad Daoud, Moayyad Al-Nasra and Khaled Ramadan, (September 2015), **"Investigating the Transitional State between Rectangular Plates and Shallow Shells"**, Fourth International Conference on Advances in Civil and Structural Engineering – CSE Conference, 26th to 27th September 2015. Kuala Lumpur, Malaysia. ISBN: 978-1-63248-070-5 DOI: 10.15224/978-1-63248-070-5-44. pp.22-26

2- Mohamad Daoud, Moayyad Al-Nasra and Khaled Ramadan, (April 2015), **"Investigating the Transitional State Between Circular Plates and Shallow Shells"** Conference on Advances in Composite Materials and Structures, Istanbul Technical University, 13-14 April 2015. Istanbul-Turkey.

- 3- Khaled Z. Ramadan, Ahmed M. Ashteyat and Muhannad H. Ismeik, (July 2012), **"Properties of Asphalt Mixtures Prepared by Crumb Rubber Modified Bitumen"**, Third International Conference on Construction in Developing Countries, Bangkok, Thailand, July 4-6 2012. (# of citations: 1 as on October 10, 2019).
- 4- Zain Al-Houri, Abbas Al- Omari, Khaled Ramadan and Hazem Shaka, (2011), **"Quality of Highway Runoff at Two Locations in Amman City: A Preliminary Investigation"**, International Conference on Environment and BioScience, IPCBEE, vol.21(2011), IACSIT Press, Singapore.
- 5- K. Z. Ramadan and M.M. Murad, (2010), **"The Effect of Highway Surface Course Skid Resistance on Traffic Accidents in Jordan"**, 9th International Congress on Advances in Civil Engineering, 27-30 September 2010, Karadeniz Technical University, Trabzon-Turkey.
- 6- K. Z. Ramadan and M. U. Khan, (1997), **"Utilization of Polyethylene Terephthalate Polymer Waste Product in Asphalt Cement Modification for Road Surfacing"**, Advancements in Civil Engineering, III Technical congress, Middle East Technical University, Ankara – Turkey.
- 7- G. Baykal, T. Ozturan, M. Savas and K. Z. Ramadan, (1995), **"Properties of Lightweight Aggregate Produced from A High Calcium Fly Ash" Fly Ash, Silica Fume, Slag, and Natural Pozzolans in Concrete**. Proceedings, Fifth International Conference, Milwaukee, Wisconsin, USA. (Refereed). (# of citations: 3 as on October 10, 2019).
- 8- Emin Gucbilmez and K. Z. Ramadan, (1997), **"The Importance of the Location and Direction of the Runway in Airports"**, Advancements in Civil Engineering, III Technical congress, Middle East Technical University, Ankara-Turkey.
- 9- K. Z. Ramadan and G. Baykal, (1997), **"The Effect of Introducing High Modulus Synthetic in Asphalt Paving Mixes"**, Advancements in Civil Engineering, III Technical congress, Middle East Technical University, Ankara-Turkey.
- 10- G. Baykal, and K. Z. Ramadan, (1994), **"Utilization of Fly Ash in Construction Industry"** Project No. INTAG 606, Construction Technology Research Grant Committee (TUBITAK), Istanbul-Turkey. (Refereed)

Conferences Attended:

The Seventh Jordanian International Civil Engineering Conference "Reconstruction of Damaged Zones" (JICEC07) Jordan Engineers Association (JEA), 9-11 May 2017.

Fourth International Conference on Advances in Civil and Structural Engineering (CSE 2015). Kuala Lumpur, Malaysia, 26-27 September 2015.

Conference on Advances in Composite Materials and Structures, Istanbul Technical University, Istanbul-Turkey, 13-14 Sep. / 2015.

Sixth International Traffic Safety Conference, Land Mark Hotel, Amman-Jordan, 19-20 November 2014.

Third International Conference on Construction in Developing Countries, Bangkok-Thailand, 4-6 July 2012.

5th Jordanian International Civil Engineering Conference, JICEC, 2012, Advancing Knowledge and Practice, Landmark, Amman-Jordan, 17-19 January 2012.

9th International Congress on Advances in Civil Engineering, Karadeniz Technical University, Trabzon-Turkey, 27-30 September 2010.

Third International Transportation Conference on Decision Making in the Transport Sector. Amman-Jordan / Holiday inn, 26-28 March 2007.

First International Conference on Oil Shale. Amman-Jordan / Holiday Inn, 7-10 November 2006.

Fourth Jordanian Civil Engineering Conference. Amman-Jordan/Dead Sea, 10-13 April 2006.

Jordan International Conference on Sustainable Development of Transportation Systems, Amman-Jordan, April 2004.

Symposium on Hazardous Locations on Highways, Jordan Highway society, Amman-Jordan. 14 July 2003.

The 6th International Conference on Concrete Technology for Developing Countries, Royal Cultural Center Amman-Jordan, 21-24 October 2002.

Fourth International Congress on Advances in Civil Engineering, Famagusta-Cyprus, November 2000.

The scientific days for Civil Engineering Researches, Jordan Engineers Association with the corporation of the Civil Engineering Department at the University of Jordan, University of Jordan, Amman-Jordan, 26-27 April 1999.

Advancements in Civil Engineering, III Technical Congress, Middle East Technical University, Ankara-Turkey, 15-16 September 1997.

The Fifth International Conference on Fly Ash, Silica Fume, Slag and Natural Pozzolans in Concrete, Milwaukee, Wisconsin, USA, 1995.

REFERENCES:

Available upon request.

Please See the Attached Recommendation Letters.