



## **CURRICULUM VITAE**

**Prof. Khairedin M. Abdalla**

Full professor

Department of Civil Engineering

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## **CURRICULM VIATE**

<b>Date of Birth</b>	March 3, 1953, Samma - Irbid - JORDAN
<b>WORK EXPERIENCE</b>	
<b>2020 up to now</b>	Professor at the civil Engineering Department at JUST
<b>2017 – 2018</b>	Visiting Professor at National Technical University of Athens
<b>2013-2017</b>	Vice Dean of Engineering JUST
<b>2011-2017</b>	Associate Professor at JUST and Vice Dean of Engineering 2015-2017
<b>2009-2011</b>	Visiting Professor at the Institute of Metallic structures – Aristotle University of Thessaloniki – Greece
<b>2007-2009</b>	Associate Professor, Department of Civil Engineering, Jordan University of Sconce & Technology
<b>1996- 2007</b>	Associate Professor, Department of Civil Engineering, Jordan University of Sconce & Technology
<b>February 2,1994 - April 21, 1996</b>	Full Time Lecturer at J.U.S.T
<b>January 15,1992- Febraury 2, 1994</b>	Visiting Scholar “ Post-Doctoral” Civil Engineering Department, Purdue University, Lafayette In, USA
<b>August 24,1991 - January 15, 1992</b>	Full Time Lecturer at JUST
<b>September 17,1990 - August 24, 1991</b>	Part Time Lecturer at JUST
<b>November, 1989 - september 1990</b>	1. research Assistant at Aristotle University, Greece 2. Consulting in Civil Engineering Projects, Xanthos Gianis Steel Structures Company, Karoul Ntil 4, Thessaloniki, Greece
<b>September 1983 - October 1989</b>	1. Research Assistant at Aristotle University, Greece 2. Consulting in Civil Engineering Projects, Tsigaras Nicolas, Contractor of Public Works, Dodekanisou 19, Thessaloniki, Greece
<b>1982 -1983</b>	Saudi Arabia Organization, P.O.Box 9887, Jeddah, K.S.A
<b>1981 - 19882</b>	Al-Salam Contracting Est. P.O.Box 1980, Sharjah, U.A.E

## **EDUCATION**

**January 15,1992-  
Februaury 2, 1994**

**Visiting Scholar** at Purdue University, USA.  
research in the field of steel structures, “Expanded  
database of semi-Rigid Steel Connection” and the  
behavior of high strength bolts. Strut-Tie  
Approach for Concrete structures.

**ATTENDING COURSES**

1. Advance Structural Stability
2. Computer Graphics
3. Advance Plasticity for Structural Engineers
4. Advance Behavior of Metal Structures  
“Fracture & Fatigue Control in Structures”
5. Advance Numerical Methods

**September 1983 -  
October 1988**

**Degree of Ph.D. :**

Performed research on the Application of the  
Unilateral problem theory on Steel Structure  
Member Connections, at the Aristotle University  
of Thessaloniki - Greece, under the supervision of  
Prof. P.D. Panagiotopoulos. The Thesis involved a  
theoretical analysis and the implementation of the  
numerical software and the calculations were  
performed on Prime, Sord and Macintosh SE  
systems.

**1974 -1981**

**Degree of B.S. and M.S.**

Aristotle University of Thessaloniki - Greece  
B.S. and M.S. Civil Engineering

**1972-1973**

**College:** Study Greek Language for University  
entrance requirements

**28-7-1972**

**High School:** Passed the general Secondary  
Education Certification examination. Jordan.

**PROFESSIONAL ACTIVITY**

**February 2009 –  
February 2011**

Visiting Scholar at Aristotle University of  
Thessaloniki

**2017-2018**

Visiting Professor at National Technical  
University of Athens

**February 2,1994 –  
February 2009  
(August 24,1991 -  
January 15, 1992)  
(September  
17,1990 - August  
24, 1991)**

JORDAN UNIVERSITY OF SCIENCE &  
TECHNOLOGY

**XANTHOS GIANNIS COMPANY**

KAROUL NTIL 4, Thessaloniki, Tel 269746  
Analysis, Design and Construction of Steel and  
Reinforced Concrete Structures for Statics and  
dynamic (wind and earthquake) loading from  
foundation to the super structure. (up to  
**1000000\$**)

**November, 1984 -  
september 1988**

**Tsigaras Contractor of Public Works**

Analysis, Design and Construction of Steel and

- Reinforced Concrete Structures for Statics and dynamic ( wind and earthquake ) loading from foundation to the super structure
- 1982 -1983** **Saudi arabia Organization**  
I.S.F. Housing Project Ministry of Interior.  
Responsibilities involved inspection auditing of monthly advanced report of the subcontracted part of building projects submitted by the subcontractor ( J&P), compilation of progress report for the part of the project performed directly by the company, and checking the incoming and out coming building materials of the project. (375000000 \$ )
- 1981 - 1982** **Al-Salam Contracting Est. Shargah UAE**  
Planning organization material ordering and supervision all works at site.

## **TEACHING**

1. Steel structures CE 434
2. Structural Analysis CE 332
3. Strength of Materials CE 202
4. STATICS CE 201
5. CIVIL ENGINEERING DRAWING CE 200
6. AG 425 Concrete Design
7. AG 521 Design of Farm Structures
- \* CE civil Engineering  
AG Agricultural Engineering

## **Scholarship**

- 1-Jordan Army to study in Greece 1973-1979
- 2- IKY to Study PhD program at AUTH 1984-1988
- 3-Postdoctor at Purdue University funded by JUST 1992-1994
- 3- Post doctor by IKY 2008

## **PROFESSIONAL DEVELOPMENT ACTIVITIES**

### **Head of the civil department**

25/9/1999, 11/11/2007, 12-5/2008, 29/3/2008, 9/5/2011, 29/10/2013

### **Member of the Promotion committee at JUST**

1-Ghazi alkhatab 17/2/2011,2-Yousef alrjoub 7/9/2014, 3-Mohamad Alhassan 25/10/2018, 4-Aslam Alomari 18/11/2018,5- Salaheldin Malkawi 21/2/2019,6-Yasmin Obidat 10/3/2019, 7-Wafa Bataineh 28/3/2019

## **Member of the Defense Committee of Master Degree at JUST**

- 1-**Munir** badarneh 15/12/2003,
- 2-**Amin** Almasri 30/11/2003,
- 3-**Muntaha** Shedifat 24/4/2004,
- 4- **Ala** abedalkarim 17/11/2005,
- 5-**Yasmin** obaidat 30/11/2006,
- 6- **Lara** Tagyedin 3/6/2008,
- 7-**Kamal** ahmad 26/3/2013,
- 8- **Shada** Khasawneh 23/9/2019,
- 9 - **Jamil** mheedat,2022,
- 10-**Mohammad** Shatnawi,2021

### **01. Member of Scientific day Committee 2011**

### **02. Member of Housing Fund committee at JUST:2013-2017**

### **03. Member of the social committee at JUST:1996-2017**

### **04. Supervisor of trainee program for undergraduate students in Engineering Faculty 2013-2017**

### **05. Secretary of the Engineering Faculty Council : 2003-2006**

### **06. Structural Division coordinator: 1999**

### **07. Supervising student union elections: 2006**

### **08. Graduate Studies Committee: 2004, 2006**

### **09. Structural laboratory supervisor JUST: 2004-2006**

### **10. Department representative in the college of Engineering: 2003**

### **11. Tender committee to purchase equipments for civil engineering department 2013**

### **12. Member of Arab Council for Training students of Arab Universities "ACTSAU"**

## **Erasmus committee**

- 1- The National and Kapodistrian University of Athens 6/11/2018
- 2- Aristotle University of Thessaloniki 2010 up to date,
- 3- Technical University of Crete 2015 up to date
- 4- Hellenic Air Force Academy under presses 2023

- 5- University of Coimbra, Portugal under process 2023

### **Apella / APELLA-182568 - Greece**

Member of Apella regarding the election and promotions of Faculty members at Greek Universities since 2012 up to date

### **International Agreements, workshop, Conferences**

#### **Coordinator of MoU for:**

- 1- Jordan University of Science and Technology and Aristotle University of Thessaloniki since 1996 up to date
- 2- Jordan University of Science and Technology and Technical University of Crete since 2000 up to date
- 3- Jordan University of Science and Technology and Via Univesity Collage , Denmark,2015
- 4- Jordan University of Science and Technology and North-Caucasus Federal University, Russian Federal, 2015
- 5- Jordan University of Science and Technology and China University of Geoscinces, Chaina, 2015
- 6- Jordan University of Science and Technology and University of Negri Jakarta, Indonesia, 2015
- 7- Jordan University of Science and Technology and Berlin-Brandenburg Academy of Sciences and Humanities,2015
- 8- Jordan University of Science and Technology and Balikesir University, Turkey, 2015
- 9- Jordan University of Science and Technology and National Technical University of Athens since 2017up to date
- 10- Jordan University of Science and Technology and Hellenic Air Force Academy under presses 2023
- 11- Jordan University of Science and Technology and University of Coimbra, Portugal under process 2023

#### **Chairman of international Conferences and Workshops**

- 1- First international workshop wind and Steel Structures May 2008
- 2- The NATO advance Research Workshop on “The paramount role of Joints into reliable response of structures May 2008
- 3- International Conference on Nonsmooth / nonconvex Mechanics with applications in Engineering July 2002
- 4- Second International Workshop in civil Engineering June 2012
- 5- The first International Conference "Coordinating Engineering for Sustainability and Resilience" CESARE'14, April 2014
- 6- The 2sec International Conference "Coordinating Engineering for Sustainability and Resilience" CESARE'17, May 2017

- 7- OptArch 2019 “1st International Conference on Optimization-Driven Architectural Design, November 2019
- 8- The 3rd International Conference "Coordinating Engineering for Sustainability and Resilience" CESARE'22, May 2022
- 9- ICSE, International Conference on Sustainable Engineering, organized by AUS, Jordan, 2023
- 10- The 4th International Conference "Coordinating Engineering for Sustainability and Resilience" CESARE'24, May 29-31-2024, Timisoara-Romanian

### **Funded International Projects**

- 1- ADDitively Manufactured OPTimized Structures by means of Machine Learning  
financed by the European Union under Horizon 2020 through the Research Funding Program: Marie Skłodowska-Curie Research and Innovation Staff Exchanges (RISE) (Proposal Number 101007595)
- 2- OptArch – Optimization Driven Architectural Design of Structures” financed by the European Union under Horizon 2020 through the Research Funding Program: Marie Skłodowska-Curie Research and Innovation Staff Exchanges (RISE) (Proposal Number 689983)
- 3- “IORDANES - Integrated approach for Organic waste management – Deployment of smart bins and strategies for environment–safe and Efficient operations “
- 4- “AGRONET-MED “Strengthen, support and modernize euro-Mediterranean networks of agro-food sector.
- 5- Jordan: Shobak Wind Farm -Lender's Engineer, Technical Due Diligence
- 6- Network of Proposers of the COST Action Proposal OC-2018-1-22636 " European network for high performance wind energy systems to enhance urban resilience
- 7- Title: “ALKIPPI” Reducing marine pollution risk resulting from ports and shipping operations.
- 8- Pilot study and construction of range fire prevention and management systems. greece and Jordan.
- 9- COST Action Proposal OC-2019-1-23790 " Aluminium Structures for Resilient Smart Cities "
- 10- Cost action proposal entitled “modular sustainable energy islands” (enerlands), proposal reference, OC-2020-1-24527

### **COMPUTER SKILLS:**

- 1- Excellent Knowledge with Microsoft Word, Excel, and PowerPoint.
- 2- Excellent Knowledge with Scada Pro.for Structural Analysis and Design Software

## **LANGUAGE SKILLS**

- 1- Arabic: Native language
- 2- Greek speaks and writes
- 3- English: speaks and writes fluently

## **Professional Memberships**

1. Jordanian Association of Engineers. ID. No. 3039
2. American Society of Civil Engineers. ID. No. 26917
3. Amnesty International (Leader group 4, 1984-1990)
4. President of the Arab Community, Lafayette, IN., USA (1992-1994)

## **LIST OF PUBLICATION**

1. **K. M. Abdalla**, G. E. Stavroulakis: Zur rationalen Berechnung des "Prying actions" Phanomens in *Schraubenverindungen, Stahlbau, Vol. 58 (1989), pp. 233-238*.
2. First Bulgarian- Greek Seminar "Mathematical Modeling in Mechanics and Technology", Govedartzi, vacation home of Sofia University, Rila Mountains, Boulgaria, 9-14 October 1989. Unilateral Contact Problems in Steel Structures Connections, Bulgarian Journal of Theoretical and Applied Mechanics.
3. G.E. Stavroulakis, **K. M. Abdalla.**, Contact Between Adjacent Structures. *Journal of structural Engineerin, Vol. 117, No. 10, 1990. pp, 2838-2850*.
4. **K.M. Abdalla**, C.C. Baniotopoulos, "Design Sensitivity investigations of Column Splices in Steel Structures". A National conference on *Steel Structures. Hellenic Society for the Research on Metallic Structures, 6-7/6/1991, Athens, Greece*.
5. **K.M. Abdalla**, C.C. Baniotopoulos and P.D. Panagiotopoulos, "A Quadratic Programming Approach to the Analysis of Steel Riveted Brackets Under Out Plane Loading." *1st National Congress on Computational Mechanics, Athens, Sep., 1992*.



6. C.C. Baniotopoulos and **K.M. Abdalla**, "Steel Column-to Column Connections Under Combined load: A Quadratic Programming Approach." *Computers and Structures, Volume 46, No. 1. pp 13-20, January 3, 1993.*
7. **K.M. Abdalla**, W.F. Chen, and N. Kishi. Expanded Database of semi-Rigid Steel Connections. *CE -STR-93-14. Purdue University, Civil Engineering Department, W. Lafayette, IN. USA.*
8. **K.M. Abdalla**, A. Alshegeir, and W.F. Chen. Strut-Tie Approach for the Design of Flat Plates with Drop Panels and Capitols. *CE-STR-1993-19. Purdue University, W. Lafayette, IN. USA.*
9. G.E. Stavroulakis, **K.M. Abdalla**. A Systematic Neural Network Cassificator in Mechanics. An Application in Semi-Rigid Steel Joints. *International Journal for Engineering Analysis and Design, Vol 1,pp. 279-392. 1994.*
10. C.C.Banagiotopoulos, **K.M. Abdalla**, and P.D. Panagiotopoulos. A Variational Inequality and Quadratic Programming Approach to The Separation Problem of Steel Bolted Brackets. *Computer & Structures, Vol 53, No 4, pp. 983-991. 1994.*
11. G.E.Stavroulakis, **K.M. Abdalla**, and P.D. Panagiotopoulos. A back Propagation Bases Neural Network Approach for Modelling Semi-Rigid Steel Structure Connections. *Proceeding of the 1st European Conference on Steel Structures, Athens, Greece, 18-20 May 1995,pp. 263-270.*
12. **K.M. Abdalla**, G.E. Stavroulakis. A Backpropagation Neural Network Model for Semi-Rigid Steel Connections. *Microcomputers in Civi Engineering 10, pp. 77-87. 1995.*
13. C.C. Baniotopoulos, **K.M. Abdalla**. Sensitivity Analysis Results on the Separation Problem of Bolted Steel Column - to - column Connections. *Int. J. Solids Structures, Vol 32, No 2, pp. 251 - 265, 1995.*
14. **K.M. Abdalla**, A. Alshegeir, and W.F. Chen. Analysis and Design of Mushroom slabs with a Strut - Tie Model. *Computer & Structures Vol. 58, No. 2, pp. 429 - 434, 1996.*
15. G.E. Stavroulakis, A.V. Avdelas, **K.M. Abdalla**, and P.D. Panagiotopoulos. A Neural Network Approach to the Modelling, Calculation and Identification of Semi - Rigid Connections in Steel Structures. *Journal Constructional Steel Research. Vol. 44, Nos. 1-2, pp. 91-105, 1997.*
16. **K. M. Abdalla**. Review and Classification of semi-rigid connections. The Paramount Role of Joints into the Reliable Response of Structures. NATO Science Series 11/4 . *Proceeding of the NATO Advance Research Workshop . Ouranoupolis, Greece, May 21-23, 2000*

17. **K. M. Abdalla**. Unilateral Analysis for Steel Column Base plates. Proceedings of the *International Conference on Nonsmooth/Nonconvex Mechanics with Applications in Engineering*, 5-6 July 2002 .
18. **Khairudin M. Abdalla** and Wai-Fah Chen. Effect of Control Fluid on Surface Treatments of High Strength Bolts. *International Journal of Applied Science and Engineering*. Volume 2, Number 1, March 2004.
19. **K. M. Abdalla**, Influence of Lubricant on the Behavior of High Strength Bolts. *Journal of Structural Engineering*. Vol 33, No 2.pp. 113-120. June-July 2006. pp. 113-120.
20. Ast. A. Liolios, **K.M. Abdalla**, Ang. A. Liolios, A.K. Boglou and G.D. Karatasios. A computation approach to the Seismic Interaction between Adjacent Buildings Under infantilizing Effects. *Eurodyn 2005 Conference in Paris* . Accepted, Presentation Wednesday – September.
21. **Khairudin M. Abdalla**. K-Nut Factor of High Strength Bolts Part-I. Third *International Conference on Construction in the 21<sup>st</sup> Century, Advancing Engineering, Management and Technology*, September 15-17,2005 Athens.
22. A. liolios and **K. M. Abdalla**, A Numerical Approach For The sismic Interaction Problem Between Adjacent Buildings. *The International Earthquake Engineering Conference*, November 21-24, 2005, Dead Sea – Jordan.
23. **Khairudin M. Abdalla**, Interaction Phenomena Arising Between Adjacent Buildings: Numerical Investigation and Design Comments. *Journal of Applied Science* 6(1):98-101, 2006.
24. **Khairudin M. Abdalla**, K-Nut Factor of High Strength Bolts Part – II. *Journal of Structural Engineering*. Accepted 31-1-2006
25. **Khairudin M. Abdalla** and Wai-Fah Chen, Base Plate Design in Steel Structures: A New Approach. . *Journal of Structural Engineering*. Accepted 21-2-2006
26. **Khairudin M. Abdalla**, Friction Factor of A325 High Strength Bolts. Proceeding of The International; Conference: Nonsmooth / Nonconvex Mechanics with application in Engineering. pp. 525-532. II. NNMAE 2006. 7 & 8 July, 2006, Thessaloniki, Greece.
27. Liolios A., Profilidis V., **Abdalla K.**, Tsotsos S., Pitilakis K., Radev A., Angelov T., and Ruzic D. A Nonconvex Numerical Approach to the Unilateral Contact Dynamic Problem of Soil-Pile Interaction Under Second-Order Geometric Effect. Proceeding of The International: Conference: Nonsmooth / Nonconvex

Mechanics with application in Engineering. Pp. 333-338. II. NNMAE 2006. 7 &8 July, 2006, Thessaloniki, Greece.

28. **K. M. Abdalla**, G.A. Abu-Farsakh and S. A. Barakat. " Experimental Investigation of Force-Distribution in High-Strength Bolts in Extended End-Plate Connections". Steel and Composite Structures , an International Journal. Vol.27.No.2.pp.87-103. 2007.
29. D. N. KAZIOLAS , **K. ABDALLA** and C. C. BANIOPOULOS "EXTENDED END-PLATE CONNECTIONS IN STEEL STRUCTURES: NUMERICAL AND EXPERIMENTAL TESTING",MS'10 Prague Proceedings of the International Conference on Modelling and Simulation 2010, 22 – 25 June 2010, Prague, Czech Republic.
30. G.D. Drosopoulos, S. Samara, G.E. Stavroulakis and **K.M. Abdalla** "Nonlinear analysis of end – plate steel connections with 3d finite elements with contact and friction" , 31<sup>st</sup> Int. Symposium on Mechanics and Material, May 9-14, 2010, Greece.
31. G.D. Drosopoulos, S. Samara, G.E. Stavroulakis and **K.M. Abdalla**, "Nonlinear analysis of end – plate steel connections with 3d finite elements with contact and friction" , 9<sup>th</sup> International Congress on Mechanics, Limassol, Cyprus, 12-14 July 2010.
32. **K. M. ABDALLA**, D.N. KAZIOLASA, C.C. BANIOPOULOS, AND M.A. BADARNEH, " UNILATERAL CONTACT EFFECTS IN THE STRUCTURAL RESPONSE OF BEAM-TO-COLUMN CONNECTIONS. POLLACK PERIODICA, VOL. 5. NO.3. PP 35-61. 2010.
33. **K. M. ABDALLA**, D.N. KAZIOLASA, MUNEER A. BADARNEH AND C.C. BANIOPOULOS. EXPERIMENTAL INVESTIGATION OF THE STRUCTURAL RESPONSE OF TOP AND SEATED ANGLE WITH DOUBLE WEB ANGLE BOLTED CONNECTIONS. POLLACK PERIODICA, AN INTERNATIONAL JOURNAL FOR ENGINEERING AND INFORMATION SCIENCES, DOI10,1556/POLLACK.6.2011.1.7. VOL. 6, NO 1, PP73-86(2011).
34. **K.M. ABDALLA**, D.N. KAZIOLASA, C.C. BANIOPOULOS. TIGHTENING AND UNTIGHTENING TORQUE OF M253M BOLTS: EXPERIMENTAL AND ANALYTICAL INVESTIGATION. POLLACK PERIODICA, VOL. 6. NO.2. PP 69 - 83. 2011.
35. **K.M. ABDALLA**, D.N. KAZIOLASA, C.C. BANIOPOULOS. TIGHTENING AND UNTIGHTENING TORQUE OF M164M BOLTS: EXPERIMENTAL AND ANALYTICAL STUDY. JOURNAL OF STRUCTURAL ENGINEERING , VOL. 38, No. 6. PP 567 – 580.(2012)
36. G. A. DROSOPOULOS, G. E. STAVROULAKIS, **K. M. ABDALLA**. 3D FINITE ELEMENT ANALYSIS OF END\_PLATE STEEL JOINTS. JOURNAL OF STEEL AND COMPOSITE STRUCTURES. VOL.12. No.2. PP.93-115 (2012)

37. **K.M. ABDALLA**, E.EFTHYMIU & C.C. BANIOPOULOS. ON THE DESIGN OF STEEL LATTICE TELECOMMUNICATION TOWERS. JOURNAL OF STRUCTURAL ENGINEERING , VOL. 41, NO. 3. AUG-SEP 2014, PP 214 – 226.(2014)
38. **KHAIRE DIN M. ABDALLA**; GEORGIOS A. DROSPOULOS.; GEORGIOS E. STAVROULAKIS, FAILURE BEHAVIOUR OF A TOP AND SEAT ANGLE BOLTED STEEL CONNECTION. JOURNAL OF STRUCTURAL ENGINEERING (ASCE)2014. DOI: 10.1061/(ASCE)ST.1943-541X.0001132. © 2014 AMERICAN SOCIETY OF CIVIL ENGINEERS.
39. Saher Albatran, Ahmad Allabadi, Nedal Al-Ababneh and **Khairidin M. Abdalla** “STUDYING THE IMPACT OF PHOTOVOLTAIC PENETRATION FACTOR ON THE JORDANIAN POWER SYSTEM”. CESARE’17 International Conference Coordinating Engineering for Sustainability and Resilience Dead Sea, 3-8 May 2017
40. **KHAIRE DIN M. ABDALLA**, RAJAI Z. ALROUSAN, MOHAMMAD A. ALHASSAN AND NIKOS D. LAGAROS MODELING AND ANALYSIS OF OPTIMIZED RECTANGULAR RC COLUMN CONFINED WITH CERP COMPOSITES. JORDAN JOURNAL OF CIVIL ENGINEERING, Vol. 13, No. 2, 2019, pp. 325-334.
41. **KHAIRE DIN M. ABDALLA**, GHAZI ABU-FARSAKH AND MONTAHA AL-SHDIEFAT , “ EXPERIMENTAL INVESTIGAION EFFECT OF CARBON FIBER-REINFORCED PLASTICS COMPOSITES- PLATES ON STEEL BEAMS”. JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY REVIEW 12 (4) (2019) 60 - 68. DOI: 10.25103/JESTR.124.07
42. **Khairidin M. Abdalla**, Rajai Al-Rousan, Mohammad A. Alhassan, and Nikos D. Lagaros. Finite Element Modelling of Concrete Filled Steel Tube Columns Wrapped With CFRP. Proceedings of the Institution of Civil Engineers: Structures and Buildings, June 24, 2019. <https://doi.org/10.1680/jstbu.19.00011>
- 43 **Khairidin M. Abdalla**, Rajai Al-Rousan, Mohammed T. Obaidat,, Osama K. Nusier, Khaldoon Bani-Hani, and Nikos D. Lagaros. The Impact of Asphalt Wearing Surface Thickness on Response of Two-Span Continuous Cast-in-Place Prestressed Concrete Box Girder Highway Bridge. Journal of Engineering Science and Technology Review, Vol. 12, No. 1, 2019, pp. 173-177.
44. Rajai Al-Rousan \*, Osama Nusier, **Khairidin Abdalla**, Mohammad Alhassan, Emmanouil A. Vougioukas, Athanassios A. Stamos, Nikos D. Lagaros “Impact of Concrete Strength Degradation on the Cyclic Behaviour of RC Beam-Column Joints Strengthened with FRP Composites”, Received: 5 December 2022
- 45-MOHAMMAD A. ALHASSAN, **KHAIRE DIN M. ABDALLA**, RAJAI Z. AL-ROUSAN,NIKOS D. LAGAROS:FEA-BASED OPTIMIZATION OF AN EFFECTIVE CFRP

CONFINEMENT FOR CIRCULAR CFT COLUMNS UNDER CYCLIC LATERAL LOADING.  
Proceedings of Academic sera 39th International Conference, Athens, Greece,  
9th-10th December 2018

- 46- Rajai Al-Rousan , Osama Nusier , **Khairidin Abdalla** , Mohammad Alhassan and Nikos D. Lagaros “NLFEA of Sulfate-Damaged Circular CFT Steel Columns Confined with CFRP Composites and Subjected to Axial and Cyclic Lateral Loads”. *Buildings* **2022**, 12(3), 296; <https://doi.org/10.3390/buildings12030296>