



Assist. Prof. Dr. MOHELDEEN HEJAZI

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EDUCATIONAL INFORMATION

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Degree	University	Department	Year(s)
Doctoral Degree	Istanbul Technical University	Civil engineering	2018 - 2024
Master's Degree	Jordan University of Science and Technology	Civil engineering	2016 - 2018
Bachelor's Degree	Jordan University of Science and Technology	Civil engineering	2012 - 2016

RESEARCH AREAS

civil engineering, structural materials, risk analysis, numerical methods and modelling, artificial intelligence , finite elements modelling, blast engineering, fire engineering, ballestics modelling and engineering, design and modelling optimization

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Assistant professor	Altinbas University	Civil engineering	2024 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Chamber of Civil Engineers	Member- Professional Engineer	2022 -
Scientific Institutions and Societies- Mendeley	Advisor	2020 -
The Institute of Structural Engineers	Member	2018 -
American Society of Testing and Materials-ASTM	Member	2017 -
American Concrete Institute-ACI	Member	2017 -
American Society of Civil Engineers-ASCE	Member	2017 -

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
Turkey	HGCO Engineering Consultancy	Project Manager, Co-founder	2023 -
Turkey	HARDSHIELD Engineering Consultancy	Civil Engineer	2021 - 2023

BOOKS

ARTICLES

Novel Nonlinear Model for Analysis of RC Slabs with Various Boundary Conditions Under Monotonic Loading

Alhassan Mohammad, Al Rousan Rajai, HEJAZI MOHELDEEN

International Review of Civil Engineering (IRECE), 2018

International

ARTICLES

Novel nonlinear stiffness parameters and constitutive curves for concrete

Al Rousan Rajai, Alhassan Mohammad, HEJAZI MOHELDEEN

Computers and Concrete , 2018

[International](#)

Concerning the tensor-based flexural formulation: Theory

Al Rousan Rajai, Alhassan Mohammad, HEJAZI MOHELDEEN

Structural Engineering and Mechanics , 2019

[International](#)

Impact Resistance of Steel Fiber-Reinforced Concrete Panels Using Genetic Algorithm Optimization

Al Rjoub Yousef, HEJAZI MOHELDEEN

Advances in Civil Engineering Materials , 2019

[International](#)

Concerning the tensor-based flexural formulation: Applications

Alhassan Mohammad, Al Rousan Rajai, HEJAZI MOHELDEEN

Structural Engineering and Mechanics , 2021

[International](#)

The extrema point deviatoric moment component

Al Rousan Rajai, Alhassan Mohammad, HEJAZI MOHELDEEN

Ain Shams Engineering Journal , 2021

[International](#)

Approximate analysis of quadrilateral slabs having various cases of boundary conditions and aspect ratios

Alhassan Mohammad, Al Rousan Rajai, HEJAZI MOHELDEEN, Amaireh Layla

Advances in Structural Engineering , 2021

[International](#)

A Comparative Study on the Optimal Modeling of Laminated Glass

HEJAZI MOHELDEEN, SARI ALI

Civil Engineering Journal , 2023

[International](#)

A Novel Spring-Actuated Low-Velocity Impact Testing Setup

KÜÇÜK MESUT, HEJAZI MOHELDEEN, SARI ALI

Applied System Innovation , 2024

[International](#)

PROCEEDINGS

A MACHINE LEARNING FRAMEWORK FOR AUTOMATED GROUND MOTION PREDICTION

HEJAZI MOHELDEEN, Tinbir Serra, Khalifani Pooya , SARI ALI

1st Croatian Conference on Earthquake Engineering,

[International](#)

Analysis of Impact-Induced Fracture of Laminated Glass Using Multi-Objective Genetic Algorithm

HEJAZI MOHELDEEN, SARI ALI

Structures Congress 2022,

[International](#)

Analysis of Rectangular Plates Based on the Hydrostatic Point Phenomenon

Alhassan Mohammad, Al Rousan Rajai, HEJAZI MOHELDEEN

The 4th World Congress on Civil, Structural, and Environmental Engineering,

[International](#)

PROJECTS

PROJECTS

A MachineLearning driven modeling framework for laminated glazing under blast ballistics and fire and development of technical background for a new Blast Fire and Safety Laboratory in ITU (Researcher)

BAP, 14.06.2023 -

National Continues

Performance Of the Laminated Glass Subjected To Blast Load And Impact (Researcher)

BAP, 14.12.2021 - 15.05.2024

National Completed

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	CVE207	CIVIL ENGINEERING MATERIALS
Bachelor's Degree	CVE221	CIVIL ENGINEERING MATERIALS
Bachelor's Degree	CVE333	STRENGTH OF MATERIALS II
Bachelor's Degree	CVE439	DESIGN OF REINFORCEDN CONCRETE II
Bachelor's Degree	CVE211	EARTH SCIENCES FOR CIVIL ENGINEERING
Bachelor's Degree	CVE203	EARTH SCIENCES FOR CIVIL ENGINEERING
Bachelor's Degree	CVE339	DESIGN OF REINFORCED CONCRETE I
Bachelor's Degree	CVE236	STRENGTH OF MATERIALS FOR ARCHITECTURE

PERSONAL INFORMATION

CONTACT INFORMATION

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