



## Hussein Hasin AL Mufargi

Lecturer

*Civil and Environmental Engineering.  
College of Engineering and Architecture  
University of Nizwa, Sultanate of Oman*

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Marital Status: ...

### **Academic Qualifications**

MEngSc in Structural Engineering, University College Dublin, 2021, Probabilistic Traffic Loading on Long Span Bridges

BEng (Hon` s) in Structural engineering, Technological University Dublin, 2018, The Effect of Timber Frame Rigidity on Lateral Stability

### **Research Activities**

#### **- Research Interests**

Highway Engineering

Pavement Engineering

Bridge Engineering

Structural Engineering

Materials Science

Artificial Intelligence in Civil Engineering (Machine Learning and Deep Learning)

## **- Publications**

### **Article:**

1. 2025 [A Milestone Vision on The Applied Methodologies for Concrete Dam Health Monitoring](#)
2. 2024 [Pavement Deterioration Modeling of the International Roughness Index Based on Fuzzy Logic Approach](#)
3. 2024 [Utilising machine learning algorithms to predict the Marshall characteristics of asphalt pavement layers](#)
4. 2024 [Properties and Microstructure of Treated Coal Bottom Ash as Cement Concrete Replacement](#)

## **Faculty Administrative Experience**

2024 - Present: Programme Coordinator for the Civil Engineering

2024 - Present: Member of the Committee for Establishing the College of Engineering Journal

2023 - Present: Member of the Internship Committee

2023 - Present: Member of the Academic Advisory Committee

2023 - Present: Member of the Examination Committee

## **Membership in Professional Bodies**

2021-2023: Member of the Institution of Civil Engineering (ICE)

2019-2023: Member of the Institution of Structural Engineers (IStructE)

2018-Present: Member of the Institution of Engineers of Ireland (MIEI)

Ref.: <https://www.unizwa.edu.om/staff/cea/hussein.almufargi>