

**Duha Shehadeh, Master, JEA Member**

Lecturer of Civil Engineering

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## ACADEMIC QUALIFICATIONS

**M. Sc. in Structural Engineering, 2015**

University of Jordan, Jordan

**B. Sc. in Civil Engineering, 2008**

University of Jordan, Jordan

## PROFESSIONAL EXPERIENCE

**Structural Design Engineer** in *Omrana and Associates ,Amman, Jordan, (3/2008 – 10/2015)*

**Lecturer of Civil Engineering** – *Al-Zaytoonah University of Jordan, Jordan, (10/2015 – present)*

## INTERESTS

- Structural Analysis and design
- Earthquake Resistant Building Design
- Structural Analysis and Design Softwares

## Institutional and Professional Services

### o Courses Taught

- Engineering Mechanics
- Construction Materials
- Structure Mechanics for Architects
- Construction Materials Laboratory
- Structural Analysis (1)

### o Certificates obtained in the university

- A certificate in constructing, analyzing and explaining the results of exams.
- A certificate in teaching using modern techniques
- A certificate of membership in Engineering Competency Committee

## Professional Development Activities in the last five years

- **Designing the following projects in Omrania and Associates:**

1. HELICOPTER HANGERS-KSA: Concrete design and detailing.
2. TAIBA UNIVERSITY/CAR PARK/APPLIED MEDICAL COLLEGE/PHARMACY COLLEGE/ENGINEERING COLLEGE-KSA : Concrete design and detailing.
3. AL-RASHID TOWER-KSA: Concrete elements sizing & drafting.
4. SAUDI EMBASSY-AMMAN: Shop drawing review at site.
5. AL-WAQF PROJECT -AL-MADINA- KSA : Concrete elements sizing, design and detailing.
6. AL-WAQF PROJECT -AL-MADINA-KSA: Shopdrawing review/RFIs.
7. AUSTRALIAN EMBASSY-AMMAN: Shop drawing review.

8. PROMTION OF VIRTUE &PREVENTION OF VICE-KSA: Concrete elements sizing, design and detailing.
9. PROMTION OF VIRTUE &PREVENTION OF VICE (SITE ADAPTATION)-KSA: Concrete elements sizing, design and detailing.
10. AL-SAWDA MOSQUE-KSA
11. AL-WAFA TOWER-KSA
12. WAQF NORTH DEVEOPMENT-KSA
13. AL-GUSSAIBI OFFICE BUILDING-BAHRAIN
14. RADISSONBLU HOTEL AND RESIDENCE, RIYADH, DQ
15. QA ON SALBOUKH COMPOUND-KSA
16. DESIGN OF HOUSING PROJECT-KSA: Utilities and Tanks design and detailing
17. DESIGN OF CAMEL MARKET-FRIDAY MOSQUE
18. AL-GHAD UNIVERSITY-KSA

- **Training and Teaching Undergraduate students**
- **Lecturer of Civil Engineering – Al-Zaytoonah University of Jordan, Jordan, (10/2015 – present)**

### **Honors and Awards**

- **A certificate for attending "Design of Seismic Resistant Buildings" in Jordan Engineering Association.**
- **A certificate for attending a course for "Design of Buildings using Jordanian codes" in Jordan Engineering Association.**
- **A certificate for attending a course for "Prestressed Concrete" in Jordan Engineering Association.**
- **A certificate for attending a course for "Time Management" in Jordan Engineering Association.**
- **A certificate for attending "REVIT Structural" advanced sessions by Autodesk.**
- **Having a Diploma in French (Delf A1/A2/A3/A4) and being the “Third on the level of Jordan”.**
- **Taking an award for designing an internet site using Microsoft FrontPage.**
- **Participating in a visual conference between Jordan and USA.**
- **Taking the Excellence award in “English Creative Writing”**
- **Taking an award for high qualified research.**
- **Taking courses in “Leadership”.**

### **Journal Publications:**

Al-Saleh, J.R., Alghazawi, O.K., Shehadeh, D.T. (2016). *Effect of Base Isolation on the Response Modification Factor of Reinforced Concrete Buildings*. Paper in progress.

### **Conference Publications:**

Shehadeh, D., Al-Saleh, R. & Alghazawi, O. (2016, May). *Effect of Height of Reinforced Concrete Frame Building on Ductility Factor, Response Modification Factor and Overstrength Factor when subjected to varying Accelerograms*. Paper presented at Al-Zaytouneh Engineering Conference, Amman, Jordan.