

Adel (M.S) Juaidi

Mobile: 0097059977761

Email: adel@najah.edu

Adel_juaidi@yahoo.com

I. EDUCATION

Masters of Science in Water and Environmental Engineering 2009
An-Najah National University, Palestine

- Thesis Title: (GIS-Based Modeling of Groundwater Recharge for the West Bank)

Bachelor of Science in Mechanical Engineering 2001
Birzeit University, Palestine

- Graduation Project Title: Design a Heat Treatment Process for Dying Aluminum Profile.

II. MAJOR COURSES IN WATER AND ENVIRONMENTAL ENGINEERING

- Wastewater Treatment Processes and Systems;
- Water Treatment Processes and Systems;
- Water-Plant-Soil System;
- Ground Water;
- Geographic Information Systems(GIS);
- Remote Sensing;
- Sanitation and Public health;
- Solid Waste Management; and
- Water Quality Lab.

III. KEY QUALIFICATIONS

- Environmental Impact Assessment;
- Risk Analysis
- Quality Control;
- GIS applications to water resources modeling and management;
- Sanitation and Public health;
- Solid Waste Management;
- Engineering Materials Tests; and
- Experimental Methods;

IV. WORK EXPERIENCE

01/14-Present: **Instructor**, Faculty of Engineering, An-Najah University.

07/10- 01/14 - Senior Materials Engineer/El-Seif Engineering Contracting Co. Riyadh-KSA

07/11-01/13: PROJECT: **SABIC** PLASTIC APPLICATIONS DEVELOPMENT CENTER - KSA

1. Deionized Water Plant

2. Gray Water Treatment Plant
3. Neutralization System
4. Chlorination Unit with Injection System

06/09—08/10: **Instructor**, Department of Mechanical Engineering, An-Najah University.

Taught the following undergraduate courses:

1. Fluid and Thermal Sciences (INE65304)

- Covered the concepts of fluid mechanics, such as fluid statics, Euler/Navier Stock/ Bernoulli equations, velocity field, differential analysis of fluid flow, dimensional analysis, viscous flow, forces on immersed body, flow in porous media, piping system, pump design, etc.

2. Engineering Metrology and Standards (INE65360)

- Covered the concepts of error analysis, calibration of measuring devices, tolerances, measurements of pressure, temperature, force flow and power. The course also covers process of industrial specification and standardization, national and international standards, and coding systems.

3. Engineering Workshop I (CE61102)

- Covered the concepts of development of basic skills in fields of manual sheet metal fabrication, welding processes, and household electric circuits.

4. Engineering Workshop II (CE61103)

- Covered the concepts of theoretical and practical development of basic skills in the fields of metal machining, sand casting, metal forming and welding.

09/03—08/10 **Laboratory Manager**, Department of Mechanical Engineering, An-Najah University.

Acting as a lab manager for the following laboratories at the department of mechanical engineering:

1. Thermal Fluids Lab
2. Properties of Engineering Materials Lab
3. Heat Transfer Lab
4. Vibrations and Mechanics of Machine Lab
5. Safety Engineering and Human Factors Lab
6. Engineering Measurements Lab

My duties include: explained lab components to students, structured lab materials, developed demo experiment, offered tutorial and graded students' reports.

V. INDUSTRIAL EXPERIENCE

09/03—08/10 **Consultant**, Department of Mechanical Engineering, An-Najah University. Conducted several tests on indoor air quality such as noise level and dust concentration for a number of companies in West Bank; including: Jawwal Communication (2006 and 2007) and Engineering Materials Tests for NAPCO Company.

VI. WORKSHOPS AND TRAINING COURSES

1. LEED 301: (BD+C 301: Implementing the Building Design + Construction LEED Rating Systems)
2. LEED 201: LEED Core Concepts and Strategies Certificate.

3. LEED 101: Green Building Basics & LEED
4. Lecturer in the Sixth National GIS Symposium in Saudi Arabia. (April 24 – 26, 2011)-*Al-Khobar – Eastern Province*.
5. Membrane Research and Technology: Membrane Preparation and Characterization. And PES membranes -Modification and Membrane Performance Characterization (5 June – 5 August, 2008, *Duisburg –Essen University, Germany*).
6. Environmental Planning and Management of Shared Water Resources (3-11 June 2007, *An-Najah National University, Palestine*).
7. International course on "Integrated Water Resources Management (IWRM)" (3-8 September, 2005, *Birzeit University, Palestine*).

VII. AFFILIATIONS and ACTIVITIES

1. Member of Palestinian Standards Institution-Standardization Department.
2. Member of Jordanian Engineers Association.
3. Member of Saudi Council of Engineers.

COMPUTER SOFTWARE SKILLS

- ArcGIS 9.2
- Model Builder ArcGIS 9.2
- Office Tools – Microsoft Word, Excel, PowerPoint, Outlook
- Programming languages – MATLAB, FORTRAN

REFERENCES

Available Upon Request