

CURRICULUM VITAE
AbdelrahimAbusafa
Chemical Engineering Department, An-Najah National University
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CURRENT POSITION

Assistant Professor, Chemical Engineering Department, An-Najah National University, Nablus, Palestine.

Teach several courses in the department and other departments (mechanical, building and industrial engineering) both on the **graduate and undergraduate levels.**

September 2000 – Present.

EDUCATION

- **PhD. Chemical Engineering**, Middle East Technical University (METU), Ankara, Turkey, October 1995 – June 1999

Detailed studies on Cs-137 Exchange on Clinoptilolite Zeolite. Radioactive cesium-137 was used as a tracer, different zeolite conditioning methods were studied, and batch and continuous techniques were investigated.

- **MSc. Chemical Engineering**, METU,, Ankara –Turkey, October 1993 – July 1995
- **BSc. Chemical Engineering**, Ankara University, Ankara, Turkey, October 1989–June 1993

WORK EXPERIENCE

Dean, Faculty of Engineering, An-Najah National University, Palestine. August 2011-July 2012

Chairman, Chemical Engineering Department, An-Najah National University, Nablus, Palestine.

Manage all department activities; such as: Annual course plan, Annual budget plan, Annual development plan, Evaluation of department staff performance, Evaluation of new applicants, Principal and Member of different committees in the Engineering college and the university

December 2002 to August 2011

Practice Engineer, Organik Kimya A.S, Istanbul, Turkey, Summer 1992.

Certifications or professional registrations

Member of Chemical Engineers Society-Palestine.

Member of Jordanian and Palestinian Engineers Association

Member of Federation of Arab engineers.

Member of General Union of Palestinian Engineers.

FUNDED PROJECTS

- Investigator. Project title: Technical Evaluation of The Turkish Natural Zeolite Reserves. Funded by the Turkish Government Planning Centre 1995.
- Principal investigator. Project title: Capture of Cesium Isotopes by Bigadic Clinoptilolite, Funded by TUBITAK (the Scientific and Technological Research Council of Turkey), 1998.

- Investigator. Project title: Critical Improvements of the Drinking Water Disinfection System within the Nablus Municipality, Funded by UNESCO, (2004-2006)
- Principal Investigator. Project Title: Assessment and Alleviation of Health Risks Associated with the Use of Drinking Water from Rainwater Harvesting Wells in Palestine
- Funded by Palestinian American Research Center, USA. June 2006- June 2007

TRAINING RECEIVED

- Installation , operation and development of different unit operation systems (e.g., batch, tray, packed, extractive computerized distillation columns, gas absorption columns, extraction-distillation combined systems) London, UK, August 2000
- Development, installation and operation of chemical process control units (e. g., Level, Pressure, pH, Flow, Temperature control units) Trevizo, Italy, September 2005
- Safety course on fire extinguishing methods Palestine , Nablus, November, 2004
- Course development for the clean energy and conservation strategy engineering, graduate program. Sweden, April 2006
- Advanced course on reverse osmosis technology Amman on March, 2007
- Energy workshop, between energy centre (An-Najah national university-Palestine) and energy technology department- KTH University, Sweden. Amman , Jordan , June 2007
- Training course by the LITs (Learning Innovation Teams-) on e- enabled curricula design, development, delivery and evaluation supported by Quality Improvement Fund (QIF). The course aimed at developing the learning quality at school and university levels through adopting learning and teaching modern practices using technology as a tool. The project is mainly designed to develop core teams of education and multimedia specialists at three universities (An-Najah, Birzeit and Alquds) that are able to train university faculty members and school teachers in addition to multimedia professionals respectively. At the end of this course high quality e- enabled course was developed. An-Najah national university, Nablus, 2008-2009
- Workshop supported by Malaysian Technical Cooperation Program (MTCP) and organized by World Association of Industrial and Technological Research Organizations (WAITRO)title: Aspiring Leaders Of Research And Technology Organization. 31-may-4 June 2010, Malaysia.
- Workshop agonized by Centre for Excellence in Learning and Teaching (CELT)- An-Najah National University with north eastern university USA. 17-29 July 2011. workshop topics: e learning, assessment, course design, action research, critical thinking, problem based learning

SUPERVISED GRADUATESTUDENTS

- Mr. AysarYaseen, MSc, An-Najah Univ. Thesis Title: Cooling of high heat flux electronic devises by two phase thermosyphon system (2006 – 2007)
- Mr. MohammaedAlsayed, M.Sc. Thesis Title: oxygen enriched combustion of high emission fuels. (2006 – 2008)
- Mr. WatheqMahameed, M.Sc. An-Najah Univ. Thesis Title: Solar adsorption refrigeration using solid liquid adsorbent adsorbate pairs. (2006 – 2008)
- Mr. RaedAlqutub, M.Sc. candidate, An-Najah Univ. Thesis Title: Treatment of Surface Water by Autonomous Solar-Powered Membrane Cells. (2008 – 2010).
- Mr. Ibrahim Khaswan, MSc,Thesis Title: Theoretical and experimental analysis of hybrid geothermal heat pump and solar collector. 2011-2012.
- Mr. HuseinAwad, MSc, Thesis Title:Comparative study for under floor heating using boiler or heat pump, 2012-

AWARDS AND HONORS

- Young Scientists Encouragement Scholarship TUBITAK (the Scientific and Technological Research Council of Turkey).
- ASAI (Arab Student Aid International) Scholarship 1996-1999.
- Zuheirhijawi award (2006) in the field of environmental and chemical engineering (given to three students at the chemical engineering department DilaFalh, NourKhraimAndMaysaaHamdan) worked under my supervision in their graduation project on: production and characterization activated carbon from olive seed for colour removal of textile water water.
- Zuheirhijawi (2008) and Alnayzak_made in Palestine (2010) award in the field of energy and renewable energy (given to two students at the mechanical engineering. mohammad Salah and AlaaUmran) worked under my supervision in their graduation project on: solar cooling system by adsorption method.
- Alnyazak, Made in Palestine award (2010) in the filed of gasification of biomass (given to Ashraf marish, from the chemical engineering department) worked under my super vision in his graduation project.

RECENT PUBLICATIONS

REFEREED JOURNALS:

Abusafa, H. A. Arafat, M. Abu-Baker, K. N. Khalili, Utilization of Drinking Water from Rainwater Harvesting Wells in the Palestinian Territories: Assessment of Contamination Risk, Int. J. of Environment and Waste Management, 2012 Vol.9, No.3/4, pp.358 - 371.

REFEREED CONFERENCES:

- H. A. Arafat, A. M. El-Hamouz, A. Abu-Safa and M. Almasri, Methodology for Disinfectant Dose Evaluation, Modeling, and optimization in Drinking Water in Small Middle Eastern Cities - Nablus City (Palestine) as a Case Study. *Third International Conference on Water Resources in Mediterranean Basin Tripoli-Lebanon, November 2006.*
- A. Abu-Safa A. M. El-Hamouz H. A. Arafat, and M. N. Almasri, Assessment of the Spatial Distribution of Chlorine Concentration in Nablus Water Distribution System. *Sustainable Development and Management of Water in Palestine, international Conference, Amman-Jordan 27-29 August 2007, 447-454.*