

LINDA HAZEM AL-HMOUD

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EXPERIENCE

AUG 2014 – NOW

ASSISTANT PROFESSOR, THE UNIVERSITY OF JORDAN

Using Learner-based teaching techniques in teaching the following courses:

- Chemical Engineering Principles
- Chemical Reaction Engineering
- Biochemical Engineering
- Pharmaceutical Industry
- Computer Applications for Chemical Engineering

Research interests: Applications of chemical engineering in pharmaceutical industries, including catalysis and solid particle processing technologies

AUG 2008 – MAY 2014

GRADUATE TEACHING/RESEARCH ASSISTANT, GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GA, USA

OCT 2006 – AUG 2008

LECTURER, THE UNIVERSITY OF JORDAN

Courses taught:

- Chemical Engineering Principles
- Chemical Reaction Engineering
- Fluid Mechanics
- Chemical Engineering Labs

JUL 2002 – OCT 2007

JORDAN INSTITUTE FOR STANDARDS AND METROLOGY, AMMAN, JORDAN

NOV 2005 – OCT 2007, STANDARDIZATION OFFICER

Developing Standards and Technical Regulations for all chemical detergents, chemicals, and batteries

Jul 2002 – Oct 2005, CONTROL AND INSPECTION OFFICER

Controlling and inspecting the quality of locally produced and imported goods in plastics sector

Other Roles and Responsibilities:

- o Member of the Quality Auditing Committee in JISM (2 years)
- o Member of King Abdullah II Prize team (3 years)
- o Quality System Coordinator in the Control and Inspection Department (3 years)
- o Responsible for restructuring and automating the Working System in the Control and Inspection Department (2 years)

SEP 1998 – NOV 1999

PRODUCTION MANAGER, MR OF QMS ISO 9001, JORDAN CO. FOR DEAD SEA PRODUCTS – AMMAN, JORDAN

- Planning and supervising production lines of cosmetics including shampoo, creams, mud mask, and Dead Sea salts
- Implementing and auditing the QMS in the company

AUG 1997 – AUG 1998

QUALITY CONTROL ENGINEER, AGRICULTURAL PLASTIC IND. CO. – AMMAN, JORDAN

- Establishing quality control laboratory for plastics
- Performing the mechanical tests required for controlling the quality of produced agricultural plastic

EDUCATION

AUGUST 2014

PHILOSOPHY OF DOCTORATE IN CHEMICAL ENGINEERING, GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GA, USA

Thesis Title: UNDERSTANDING HETEROGENEOUS COPPER CATALYSTS FOR COUPLING REACTIONS IN ORGANIC SYNTHESIS, Jones Research Group

GPA: (3.95 out of 4.00)

JUNE 2000

MASTER OF SCIENCE IN CHEMICAL ENGINEERING, THE UNIVERSITY OF JORDAN

Thesis Title: "Stability of Cosmetics produced from Dead Sea Salt and Mud"

GPA: (4.00 out of 4.00)

JUNE 1997

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING, THE UNIVERSITY OF JORDAN

Graduation Project: "Production of Ethylene Glycol and Dimethyl Terephthalate from Waster Poly(Ethylene Terephthalate) [PET] Bottles by Methanolysis"

GPA: (3.76 out of 4.00), ranking the 1st among 48 classmates

CERTIFICATIONS

- **Tech to Teaching Certificate**, Center for the Enhancement of Teaching and Learning, Georgia Tech, partial completion.
- **Graduate Communication Certificate**, Georgia Institute of Technology, partial completion.
- IRCA certified **ISO 9000:2000 Series Lead Auditor**, September 2005.
- IRCA certified **Information Security Management Systems Lead Auditor**, September 2005.
- IRCA certified **Occupational Health & Safety Management Systems Lead Auditor**, April 2005.
- IRCA certified **Environmental Management Systems Lead Auditor**, January 2003.
- Certified **Neuro-Linguistic Programming (NLP) Practitioner**, Canadian Training Center, August 2002.

PUBLICATIONS AND CONFERENCES

- Al-Hmoud, L.; Al-saida, B.; Sandouqa, A. “Olive Mill Wastewater Treatment: A Review”, **Jordanian Journal of Engineering and Chemical Industries**. (2020), accepted for publishing.
- Al-Hmoud, L.; Abu Fara, D.; Rashid, I.; Chowdhry, B.Z.; Badwan, A.A. “Influence of Chitin Source and Polymorphism on Powder Compression and Compaction: Application in Drug Delivery”, **Molecules** (2020), 25, 5269.
- Abu Fara, D.; Rashid, I.; Al-Hmoud, L.; Chowdhry, B.Z.; Badwan, A.A. “A New Perspective of Multiple Roller Compaction of Microcrystalline Cellulose for Overcoming Re-Compression Drawbacks in Tableting Processing”, **Appl. Sci.** (2020), 10, 4787.
- Abu Fara, D.; Rashid, I.; Al-Hmoud, L.; Al-Qatamin, S.; Chowdhry, B.Z.; Badwan, A. “Enhancement of compression and compaction properties of calcium carbonate powder by granulation with HPC, HPMC and sodium- alginate as binders for pharmaceutical applications: an optimization case study”, **J. Excipients and Food Chem.** (2020), 11(2), 8-28.
- Abu Fara, D.; Al-Hmoud, L.; Rashid, I.; Chowdhry, B.Z.; Badwan, A. “Understanding the Performance of a Novel Direct Compression Excipient Comprising Roller Compacted Chitin”, **Mar. Drugs** (2020), 18, 115.
- Linda Al-Hmoud, Sumit Bali, Shilpa Mahamulkar, Joseph Culligan & Christopher Jones, “On the Homogeneity/Heterogeneity of Solid Copper Oxide Precatalysts in the Oxidative Homocoupling of Ethynylbenzene”, **J. Mol. Catal. A** (2014), 395, 514-522.
- Linda Al-Hmoud & Christopher Jones, “Reaction Pathways over Copper and Cerium Oxide Catalysts for Direct Synthesis of Imines from Amines under Aerobic Conditions”, **J. Catal.** (2013) 301, 116-124. (Also, orally presented at the **23rd North American Meeting of the Catalysis Society**, Louisville, KY, June 2013).
- Linda Al-Hmoud & Christopher Jones, “CuO Supported on Mesoporous CeO₂ as a Catalyst for Direct Synthesis of Imines from Amines under Neat Conditions”, Poster Presentation, **ORCS 24th Biennial Conference**, Annapolis, MA, April 2012.
- Linda Al-Hmoud, Lan Chen & Christopher Jones, “Copper oxide supported on mesoporous CeO₂ as a catalyst for N-arylation reaction”, Poster Presentation, **ACS 243rd National Meeting**, San Diego, CA, March 2012.
- Linda Al-Hmoud & Christopher Jones, “Heterogeneity of N-Arylation Reactions Catalyzed by Cu(II) Exchanged Zeolite”, Poster Presentation, **AIChE Annual Meeting**, Salt Lake City, UT, November 2010.

AWARDS

- Kokes Travel Award for the 23rd North American Catalysis Society (NACS) meeting, June 2013.
- Student travel Grant to the 24th ORCS Conference, April 2012.
- Outstanding Performance Award on the Written Qualifying Exam, School of Chemical & Biomolecular Engineering, Georgia Tech, January 2009.
- Award of Academic Excellence for Graduate Students, University of Jordan, June 2000.
- Award of Academic Excellence for Undergraduate Students, University of Jordan, June 1997.