Ahmed Abutaleb, Ph.D.

Assistant Professor of Chemical Engineering at Jazan University
Department of Chemical Engineering, Jazan University, Jazan, Saudi Arabia
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EDUCATION

- Doctor of Philosophy in Chemical Engineering (2015), The University of Akron, Akron, Ohio, USA
- Master's of Science in Mechanical Engineering (2013), The University of Akron, Akron, Ohio, USA
- Master's of Science in Chemical Engineering (2012), The University of Akron, Akron, Ohio, USA
- Bachelor's of Science in Chemical Engineering (2009), King Saud University, Riyadh, Saudi Arabia

EXPERIENCE

2016-Ongoing: Assistant Professor, Jazan University, Department of Chemical Engineering, Jazan, Saudi Arabia.

2012-2015: Doctoral Research Assistant, The University of Akron, Department of Chemical and Biomolecular Engineering Akron, OH, USA

2010-2012: Master's Researcher, The University of Akron, Department of Chemical and Biomolecular Engineering Akron, OH, USA

06/2008- 08/2008: Summer Training at SABIC (IBN ZHR).

PROFILE

- 5 years of experience in catalytic multiphase reactions; successfpully developed batch and flow reactors for hydrogenation of liquid phenol to cyclohexanone
- 5 years of experience in synthesis and characterization of catalytic polymeric and ceramic nanofibers by electrospinning
- 2 years experience as a safety coordinator working in chemical inventory and chemical disposal

RESEARCH INTERESTS

- Electrospinning
- Heterogeneous Catalysis and Multiphase Reactions
- Surface Science and Wettability Characterization
- Coalescence filtration (Aerosol and Liquid-liquid) experiment
- Polymer Processing and Compounding

CONFERENCE PROCEEDINGS

- Ahmed Abutaleb and George Chase (November 2015), Conversion of Phenol to Cyclohexanone Using Pd/PEI Nanofiber Catalysts Prepared by Electrospinning and Wet Impregnation, Poster Presentation at the AIChE Conference
- Ahmed Abutaleb and George Chase (October 2015), Conversion of Phenol to Cyclohexanone Using Pd/PEI Nanofiber Catalysts Prepared by Electrospinning and Wet Impregnation, Oral and Poster Presentation at The Coalescence Filtration Nanofiber Consortium
- Ahmed Abutaleb and George Chase (May 2015), Conversion of Phenol to Cyclohexanone Using Superhydrophobic Pd/PVDF-HFP Nanofiber Catalysts Prepared by Electrospinning, Oral and Poster Presentation at The Coalescence Filtration Nanofiber Consortium
- Ahmed Abutaleb and George Chase (October 2014) Conversion of Phenol to Cyclohexanone Using Platinum Supported on Polymeric Polyetherimide Nanofiber Catalysts prepared by Electrospinning and Wet Impregnation, Oral and Poster Presentation at The Coalescence Filtration Nanofiber Consortium
- Ahmed Abutaleb, George Chase, Steven Chuang, and Zhenmengt Peng (August 2014) Electrospun Polymer Fiber Mats for Adsorption of Methane, Oral and Poster Presentation at Ohio Conference on the Sustainable Use of Greenhouse Gases
- Ahmed Abutaleb and George Chase (May 2014) Preparation and Characterization of Palladium Nanoparticles Supported On Electrospun Polymeric Polyetherimide (Pd/PEI) Catalysts, Poster Presentation at The Coalescence Filtration Nanofiber Consortium
- Ahmed Abutaleb and George Chase (May 2013) Preparation and Characterization of Palladium Nanoparticles Supported On Electrospun Ceramic Aluminum Oxide (Pd/Al_2O_3) Catalysts, Poster Presentation at The Coalescence Filtration Nanofiber Consortium
- Ahmed Abutaleb and George Chase (October 2012) Construction of A Flow Reactor for Hydrogenation of Phenol to Cyclohexanone Using Electrospun Nanofiber Catalysts, Poster Presentation at The Coalescence Filtration Nanofiber Consortium