

ALIA AHRAR

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Work Experience:

Lecturer (Department of Chemical Engineering, NED University of Engineering & Technology, Karachi, Pakistan), July 2012-March 2018

Assistant Professor (Department of Food Engineering, NED University of Engineering & Technology, Karachi, Pakistan), March 2018-till present

Academic Qualification:

Masters of Engineering (ME Chemical), 2014, NEDUET

Bachelor of Chemical Engineering (BE), 2010, NEDUET

Internship, 40 days internship in *Pakistan Refinery Limited (PRL)*

Final Year Project, *Production of Ethanol from Synthetic Process* (A Feasibility analysis report)

Conferences Attended:

Author and presenter, 1st & 2nd International Conference on Advanced Materials and Process Engineering (AMPE), December 2015 & 2017 NEDUET.

Conference Paper :

Simulation of Coal Slurry Burner Using Fluent

Nadia Khan, Alia Ahrar and Sumera Rehman

Synthesis and Rheology of Coal-Water Slurry for Used as Liquid Fuel

Aliya Ahrar, Nadia Khan, Awan Zahoor, Saud Hashmi, Bisma Sohail, Fahad Aalam, Kanza and Abdul Mateen

Events Organized As Faculty Advisor:

Project and poster competition PNP 15 & 17, organized by NEDUET, Karachi.

Magazine “DEUS EX CHEMICA” & NEWSLETTER Launch event.

Research Projects Supervised:

- Synthesis of coal water slurry for alternative fuel (DICE WINNER 2015)
- Synthesis of silicon based grease.
- Synthesis of lithium based grease (A joint venture with Pak grease (Pvt) Ltd) continues projects.
- Extraction of raw/crude oil from algae

Software Skills:

- MS Office (MS Word, MS Excel, MS Power point)
- Aspen Plus
- Aspen HYSYS
- FLUENT
- Microsoft Visio