

Dr. Toor-E-Aiman Rizvi

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PROFILE

A dynamic chemical engineer having experience in teaching and research, possessing sound technical ability and excellent communication skills.

KEY ACHIEVEMENTS

- 9 years of teaching experience in the field of Chemical Engineering.
- Delivered oral and poster presentations in International Conferences, published papers in scientific journals.
- Responsible for setting up a purpose-built laboratory scale Corrosion Rig as a PhD scholar at the University of Leeds.
- Performed chemical kinetic modelling work using Chemkin and FactSage softwares.
- Expert in SEM/EDX, TGA, STA-MS, AFT analysis techniques as well as data analysis softwares such as OriginPro.
- Received three gold medals for securing an overall 1st position in MSc Chemical Engineering.
- Secured 1st Division throughout academic career.

QUALIFICATIONS

Doctor of Philosophy

*School of Chemical and Process Engineering,
University of Leeds, Leeds, UK.*

Nov 2010 – Dec 2014

Level 2 Award in Health and Safety in the Workplace

Chartered Institute of Environmental Health, London, UK.

Apr 2011

Master of Science, Chemical Engineering

*Institute of Chemical Engineering & Technology,
University of the Punjab, Lahore, Pakistan.*

Jan 2008 – March 2010

Bachelor of Science, Chemical Engineering

*Department of Chemical Engineering,
University of Engineering & Technology, Lahore, Pakistan.*

Jan 2003 – Jan 2007

WORK EXPERIENCE

Assistant Professor

*Institute of Chemical Engineering & Technology,
University of the Punjab, Quaid-E-Azam Campus, Lahore, Pakistan.*

Jan 2015 – present

Lecturer

*Institute of Chemical Engineering & Technology,
University of the Punjab, Quaid-E-Azam Campus, Lahore, Pakistan.*

Feb 2008 – Jan 2015

PRESENTATIONS/ PUBLICATIONS

- RIZVI, T., POURKASHANIAN, M., NIMMO, W. 2011. Fireside corrosion in pulverised fuel boilers. Presentation to Drax Power Limited UK.
- RIZVI, T., POURKASHANIAN, M., NIMMO, W. 2014. Effect of gas and deposit composition on corrosion in oxy-fuel environments. 35th International Symposium on Combustion, San Francisco, California USA.
- RIZVI, T., POURKASHANIAN, M., NIMMO, W. 2014. Corrosion in oxy-fuel environments and the effect of coal and biomass ash deposits. 10th European Conference on Coal Research and its Applications, Hull, UK.
- RIZVI, T., POURKASHANIAN, M., NIMMO, W. 2014. Prediction of biomass ash fusion behaviour by the use of detailed characterization methods coupled with thermodynamic analysis. *Fuel*.
- RIZVI, T., POURKASHANIAN, M., NIMMO, W. A Lab-scale study on the influence of SO₂ and deposits on fireside corrosion in oxy-fuel environments. *Energy and Fuels*. (Submitted)
- RIZVI, T. 2014. Fireside corrosion in oxy-fuel environments and the influence of fuel and ash characteristics on corrosion and deposition. PhD thesis.
- RIZVI, T. 2010. Liquid-Liquid Extraction Study in an Agitated Cylindrical Vessel. MSc. Thesis.