

IQRA AZIZ

Education:

Center for Coal Technology, Punjab University

M.Phil. Coal Technology (GPA: 4.00/4.00, Graduated top of the class)

Thesis: Thermal Analysis and Combustion Kinetics of Partially Pyrolyzed Eucalyptus Residues using Thermo-gravimetric Analyzer. (Research paper submitted)

Institute of Chemical Engineering & Technology, Punjab University

B.Sc. Chemical Engineering (GPA: 3.95/4.00, Gold Medalist)

Thesis: Production of 1150 Metric ton per day of Ammonia

Research Project: Characterization of the Blends of Biomass with Indonesian & Lakhra Coal.

Employment Experience:

Institute of Energy & Environmental Engineering, PU.

Lecturer

10/2019 –present

Center for Coal Technology, Punjab University

Research Officer/Research Scholar and In-charge of Research Laboratory-II.

Courses and Labs Taught:

Fuel Processing Technology

Size Reduction and Classification

Coal Combustion Technology

Advanced Analytical Techniques

Mining – I

Mathematics

Mining – II

Computer Applications

In addition to this, I have regularly conducted commercial testing of solid fuel samples from different industries.

10/2014 –07/2018

Quest Consulting Engineers

Worked as an HVAC Design Engineer.

09/2013-06/2014

Fauji Fertilizer Company

Worked as an Intern on Ammonia, Urea, and Water Treatment Plant.

06/2011-08/2011

Conferences & Trainings:

- Attended and presented paper at The International Conference on Sustainable Energy, 53rd Annual Convention of IEP (December-2018)"
- Attended The International Conference on "Energy Systems for Sustainable Development (ESSD-2017)"
- Attended The International Conference on "Energy Systems for Sustainable Development (ESSD-2018)" held on February 21 to February 23,2018.
- Attended the 6th Symposium on Engineering Sciences held at ICET on December 21, 2016 – December 22, 2016

Underwent hands-on training for the following equipment:

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|----------------------------------|--------------------------|
| i. BET Surface Area Analyzer | xiii. Ball Mill |
| ii. Ash Fusion Analyzer | xiv. Hammer Mill |
| iii. Elemental Analyzer | xv. Disc Crusher |
| iv. Froth Flotation Cell | xvi. Roll Crusher |
| v. Helium Pycnometer | xvii. HGI Machine |
| vi. Particle Size Analyzer | xviii. Cyclone Separator |
| vii. Calorimeter | xix. Magmill |
| viii. Thermogravimetric Analyzer | xx. Diester Table |
| ix. Carbon Sulphur Analyzer | xxi. Jaw Crusher |
| x. Drop Tube Reactor | xxii. Tube Mill |
| xi. ASTM standard Furnaces | xxiii. Sieve Shaker |
| xii. CRI-CSR | xxiv. Grinding Mill |

Honors & Awards:

- Punjab University Gold Medal for Graduating Top of the Class in B.Sc. Chemical Engineering
- Qarshi Foundation Gold Medal for Outstanding Achievement in Undergraduate studies
- P. Carter Spears Gold Medal for Distinction in Chemical Engineering

Volunteer Work:

- Carried out the project "winter clothes donation" as a member of "Do-Something Club".
- Worked as a volunteer in a village school (2 weeks).
- Carried out numerous charity projects with my students.