

Engr. Hafiz Abuzar Ahsan

M.Sc. (Engg.) Chemical Engineering, Lecturer
Institute of Energy & Environmental Engineering
University of the Punjab, Lahore, Pakistan.

Professional Experience

- **Lecturer** 22 Oct, 2019 to date
Institute of Energy & Environmental Engineering
University of the Punjab, Lahore, Pakistan.
- **Lecturer** 19 Feb, 2019 to 21 Oct, 2019
Department of Chemical Engineering
Punjab Institute of Contemporary Sciences, Lahore.
- **Research Officer** 07 May, 2018 to 18 Feb, 2019
Office of Research Innovation and Commercialization (ORIC)
University of Management and Technology (UMT), Lahore.
- **Lab Engineer** 28 March, 2016 to 31 March, 2018
Institute of Chemical Engineering and Technology,
University of the Punjab, Lahore.
- **Lab Engineer** 21 Sep, 2015 to 25 March, 2016
Department of Chemical Engineering
Punjab Institute of Contemporary Sciences, Lahore.

Education

- **M.Sc. (Engg.) in Chemical Engineering** from Institute of Chemical Engineering and Technology, University of the Punjab, Lahore, Pakistan (2017). **(1st division)**
Thesis Title: **Thermal degradation of Indigenous coal (Khushab) and Biomass blends** supervised by **Prof. Dr. Rafiullah Khan**.
- **B.Sc. (Engg.) in Chemical Engineering** from Institute of Chemical Engineering and Technology, University of the Punjab, Lahore, Pakistan (2014). **(1st division)**
A Plant design project on **“Production of Liquid Fuels from Syngas by Fischer Tropsch Synthesis”** supervised by **Prof. Dr. Mahmood Saleem**.
- **F.Sc. (Pre-Engineering)** from Punjab College of Science Lahore, Pakistan (2009). **(1st division)**
- **Matriculation** from Unique High School, Lahore Pakistan (2007). **(1st division)**

Research Publications

- **H. Abuzar Ahsan**, M. Saeed Ullah, Umair Zahid, Bilal Akbar, Hamed Sattar, H. A Warraich, Presented a research paper **“Thermal degradation of Indigenous coal (Khushab) and biomass blends via thermal gravimetric analysis”** International Marmara Science and Social Sciences Congress at Kartepe Park Hotel Kartepe, Kocaeli, Turkey. ISBN: 978-605-69509-2-6 (April 26-28, 2019) (<http://imascon.com/>)
- M. Saeed Ullah, Umair Zahid, **H. Abuzar Ahsan**, Zaher Ahmad, Presented a research paper **“Electrochemical oxidation of dissolved organic dye in aqueous solution”** International Marmara Science and Social Sciences Congress at Kartepe Park Hotel Kartepe, Kocaeli, Turkey. ISBN: 978-605-69509-2-6 (April 26-28, 2019) (<http://imascon.com/>)
- Ali Waqas, **H. Abuzar Ahsan**, Hassan Zeb, Presented a research paper **“Parametric study of swirl and radial flow burners for comparison of thermal efficiency and pollution emission by using natural gas”** Symposium on Energy and Environment, Centre for Coal Technology, University of the Punjab, Lahore. (December 13, 2019)

Thesis Supervised

- M.Sc. (16 years): 4 B.Sc. (Engg.): 1

Industrial Training & Project

- One month Internship in **Dawood Hercules Fertilizers Limited (DHFL)**.
- Process Report on **“Analysis and Preservation of Milk”** supervised by **Prof. Dr. Rafi Ullah Khan**.

Academic and Administrative Assignments

- Member management committee and Media Co-ordinator of **Symposium on Energy and Environment** at Centre for Coal Technology, University of the Punjab, Lahore. (13th December, 2019)
- Organized Seminar on **Smog and It's Mitigation** at Centre for Coal Technology, PU in Nov 2019.
- Lab In-charge of **Coal Research Laboratory III** at Institute of Energy & Environmental Engineering.
- Lead Organizer of **3rd International Conference on Engineering Sciences (ICES)** in Dec 2017.
- Organized one day **Industrial tours** of undergraduate students to
 - a) Ittehad Chemicals Ltd in Jan 2017
 - b) Akbari Chemical Industries in April 2017
 - c) Bulley Shah Packages in Nov 2017.
- Maintained following **Labs** of ICET;
 - a) Thermodynamics Lab
 - b) Unit Process Lab
 - c) Inorganic Lab
- Performed **duties** on;
 - a) Admission stalls of University of the Punjab and ICET in 2016 and 2017.
 - b) Annual Book Fair 2016 of University of the Punjab.
- Member committee of **Lab Equipments** maintenance at ICET.
- Updating of **Fluid and Particle Mechanics Lab** during summer vacations of 2017.

Participations

- Presented research articles at **International Marmara Science and Social Sciences Congress** at Kartepe Park Hotel, Kocaeli, Turkey. (April 26-28, 2019)
- Presented research paper at **Symposium on Energy and Environment** at Centre for Coal Technology, University of the Punjab, Lahore. (13th December, 2019)
- Participated in **7th Invention to Innovation Summit**, University of the Punjab as Organizer in March 2018.
- Attended **3rd International Conference on Engineering Sciences (ICES)** as Lead Organizer in Dec 2017.
- Attended one day short course on **Particulate Emission Control** by Continuing Professional Development Program in Jan 2018.
- Participated in Workshop on **Entrepreneurship, Use of Business Intelligence for Development** in Nov 2016.
- Participated in **6th Symposium on Engineering Sciences** in Dec 2016.
- Team Management in **International Conference on Engineering Sciences (ICES) 2012**.
- Participated in Football and Basketball Punjab University **Inter-Department Championships 2012**.
- Attended seminar on **Risk Management** and also on **Health and Safety**.
- **OGDCL** field visit in Dhakni, Dec 2011.
- Participated in sports at Institute of Chemical Engineering and Technology as **Coordinator** and **Athlete** in March 2010.

Achievements

- Got academic **scholarship** at the Intermediate level.
- Got **10th position** in **NUST Undergraduate Entrance Exam 2009**.
- Got **merit Laptop** from Punjab Government, 2012.
- Winner in Table Tennis **Punjab University Inter-Department Championship, 2011-12**.
- Organized ICET Students Tour as a **Tour In-charge, 2012**.
- Manager of **Campus United Football Club** (Punjab University).

Technical Skills

Got training from senior Professors to use following equipments and software

- Particle Size Analyzer Gas Chromatograph Freezing Point Depression
- Refrigeration Rig Mini Steam Power Plant Arsenic Testing Kit
- TGA CHEMCAD AUTOCAD

Membership

- Pakistan Engineering Council (Registered Engineer) (**CHEM/11878**)
- Pakistan Institute of Chemical Engineers (PICHE)

Personal Information

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References

Reference will be furnished on demand.

Jan, 2020