

# Masood Ahmed Khan

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## EDUCATION

- 2007 **M. Engg. Industrial & Manufacturing Engineering**, NED UET  
Specialization: Manufacturing Engineering
- 2001 **MSc. Computer Science**, NED UET
- 1997 **B.E. Mechanical Engineering**, NED UET

## PROFESSIONAL EXPERIENCE

- Dec. 2009 – to date **Assistant Professor**, Deptt. of Mechanical Engg., NED UET
- June 2006 – Dec. 2009 **Lecturer**, Deptt. of Mechanical Engg., NED UET
- April 2000 – June 2006 **Lab Engineer**, Deptt. of Mechanical Engg., NED UET
- Oct. 2011 – Sept. 2014 **Member Board of Studies**, Deptt. of Mechanical Engg., NED UET
- Oct. 2017 – Sept. 2020 **Member Board of Studies**, Deptt. of Mechanical Engg., NED UET
- 2012 – 2015 **Member Syndicate**, NED UET

## CONFERENCE PROCEEDINGS

- Muhammad Shakaib, **Masood Ahmed Khan**. Modeling of Fluid Flow and Temperature Profiles in Solar Stills using CFD, ISBN 978-93-84422-22-6, Paper ID: U0615216, *International Conference on Chemical, Metallurgy and Environmental Engineering (ICMAEE-15)* Istanbul (Turkey), June 3-4, 2015.
- Javeria Ali, Waseemullah, Najeed Ahmed Khan and **Masood Ahmed Khan**. Machine Learning Approaches for the Prediction of Nutrition Deficiency Among Women Of Different Age Groups, *ICONICS'22 (3<sup>rd</sup> International Conference on Innovations in Computer Science & Software Engineering)*, 2022.
- Muhammad Uzair Yousuf, Muhammad Anus Irshad, M. Umair and **Masood Ahmed Khan**. Barriers to and drivers for energy efficiency: Perspective from the iron and steel sector, *IEEE International Conference on Energy, Power, and Environment (ICEPE-2023)*, 2023. (Accepted)
- Muhammad Uzair, **Masood Ahmed Khan**. Solar powered Stirling engine for domestic household and rural areas in Karachi, Pakistan. (*In progress*)

## ONGOING RESEARCH WORK

- Syed Ahmad Raza, **Masood Ahmed Khan**. Numerical analysis of vortex-induced vibration of multiple cylinders for energy generation.

## **PROFESSIONAL ACTIVITIES**

- Member of **Pakistan Engineering Council (PEC)** and life-time member **Institution of Engineers Pakistan (IEP)**
- **Organizing Committee Member**, 12<sup>th</sup> International Mech. Engg. Conference, 2023
- Attended, 11<sup>th</sup> and 10<sup>th</sup> International Mechanical Engg. Conference, 2022 and 2021
- **Final Year Design Project (FYDP) Coordinator**, Department of Mechanical Engineering, NED UET, 2016-2020
- Attended, 9<sup>th</sup> International Mechanical Engineering Conference, 2019
- **Organizing Committee Member**, 8<sup>th</sup> International Mechanical Engg. Conference, 2018
- **Member Organizing Committee**, 7<sup>th</sup> International Mechanical Engg. Conference on Recent Development in Design, Energy Systems & Alternate Fuels, March 2017
- Participated, 6<sup>th</sup> International Mechanical Engineering Congress on GreenSystems and Innovations, July 2016
- Attended, Technical Committee, 5<sup>th</sup> International Congress on Energy,Sustainability and Mechanical Design, May 2015
- **Member Organizing Committee**, International Conference on Energy and Sustainability, April 2013
- Appointed as **Expert Member Board of Studies** for Government College of Technology, S.I.T.E., Karachi

## **COURSES TAUGHT**

### *Undergraduate courses*

- Production Engineering
- Fluid Mechanics-I
- Thermodynamics
- Basic Mechanical Engineering
- Manufacturing Processes
- Applied Thermo Fluid

### *Postgraduate courses*

- Supply Chain Management
- Quality and Reliability Engineering
- Thermo Fluidics
- Operation Research and Statistical Techniques

## **TRAININGS / SEMINARS**

- Nominated for Pakistan Navy Industrial Seminar 2019
- Participated in several meetings of Pakistan Standards and Quality Control Authority
- Practical Training in Fluid Mechanics Lab for students of Dawood Engineering College
- Training to students from SUPARCO, 2009
- Training to trainers of Sindh Technical Education & Vocational Training Authority (STEVTA)
- Several courses taught in Center for Continuing Engineering Education, NED UET