



## **Asad Riaz**

Lecturer

Department of Mechanical Engineering Technology

[asadriaz@uotnowshera.edu.pk](mailto:asadriaz@uotnowshera.edu.pk)

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### **EDUCATION**

- **M.S. Energy Systems Engineering**, July 2017  
**National University of Sciences and Technology**, Islamabad, Pakistan
- **B.S. Mechanical Engineering**, Aug 2014  
**University of Engineering and Technology**, Peshawar, Pakistan

### **AWARDS AND ACHIEVEMENTS**

- **Partial BSc Scholarship**, MED, UET Peshawar, 2010 - 2014
- **Full MS Scholarship**, USPCAS-E, NUST, 2014 - 2016
- **Research grant for BSc Final Year Project**, Pakistan Science Foundation

### **TEACHING INTERESTS**

Manufacturing Processes, HVAC, Heat Transfer, Fuel Technology

### **RESEARCH INTERESTS**

Solar Thermal Power Generation, Renewable Energy Systems, Energy Efficiency and Conversion

### **EXPERIENCE**

- **Lecturer, Department of Energy Technology**,  
**University of Technology Nowshera**, KPK, Pakistan
- **Research Assistant, U.S.-Pakistan Centre for Advanced Studies in Energy**, 2014 -2015  
**National University of Sciences and Technology**, Islamabad, Pakistan

### **SOFTWARE SKILLS**

- MS Project
- Labview
- RETScreen
- TRNSYS
- ANSYS
- Matlab
- Auto-Cad
- Pro-E

## **RESEARCH PROJETS**

- Techno-economic Analysis of Parabolic Trough Solar Thermal Power Plant for Climate Conditions of Pakistan
- Design & Optimization of Organic Rankine Cycle Solar-Thermal Power plant

## **RESEARCH PUBLICATIONS**

1. **Asad Riaz**, Muhammad Zubair, “Feasibility and Potential of Parabolic Trough Solar Thermal Power Plants in Pakistan” 3rd conference on “Sustainability in process industry” University of Engineering and Technology Peshawar.
  2. **Asad Riaz**, Muhammad Zubair, Adeel Waqas and Sufyan Naeem, “Techno-economic Analysis of Parabolic Trough Solar Thermal Power Plant under Pakistan Climate” Journal of Renewable Energy. ISSN 1556-7036. Vol. 38, No. 22, pp 3360–3366, (2016). <http://dx.doi.org/10.1080/1567036.2016.1146807>
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