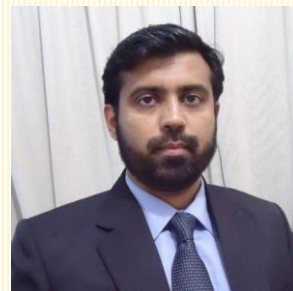


## Dr. Muhammad Bilal Sajid

Assistant Professor



### Personal Data:

Nationality | Pakistani  
Date of Hire | 02 May 2024  
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### Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Mech. Engg.	Energy	Saudi Arabia	Thuwal	2015
Masters (M.Sc.)	Mech. Engg.	Energy	Pakistan	Taxila	2006
Bachelor (B.Sc.)	Mech. Engg.	Energy	Pakistan	Lahore	2004

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

PhD	Applications of a Mid-IR Quantum Cascade Laser in Gas Sensing Research
Master	Kinetics and Kinematics of Dovetail Joint of Aeroengine Compressor

### Experiences:

Title of Job	Address of Work	Country	Date	
Associate Professor	NUST	Pakistan	From	2021
			To	2024
Assistant Professor	NUST	Pakistan	From	2016
			To	2021
Assistant Professor	GIK Institute	Pakistan	From	2015
			To	2016

### Research Interests:

1. Energy Efficiency
2. Renewable Energy
3. Sustainability & Green Buildings
4. Industrial Energy Management

### Publications:

#	Name of author(s)	Title of Publication	Publisher and Date of Publication	Link of Publication
1	Kamran, M., Sajid, J., Sajid, M. N., Ahmad, M. M., Ismail, M. A., & <b>Sajid, M. B</b>	Energy efficiency and greenhouse gas emission reduction potential of solar PV and biomass-based systems for a food processing plant	Case Studies in Thermal Engineering (Elsevier) 2024	<a href="#">Click here</a>
2	Ali, W., <b>Sajid, M. B.</b> , Alquaity, A. B., Abbas, S., Iftikhar, M. A., Sajid, J., & Abbas, A.	Energy conservation and climate change mitigation potential of improving efficiency of room air conditioners in Pakistan	Energy Reports (Elsevier) 2022	<a href="#">Click here</a>
3	Shahid, M., Ullah, K., Imran, K., Masroor, N., & <b>Sajid, M. B</b>	Economic and environmental analysis of green transport penetration in Pakistan	Energy Policy (Elsevier) 2022	<a href="#">Click here</a>
4	Ahmed, N., Khan, A. N., Ahmed, N., Aslam, A., Imran, K., <b>Sajid, M. B.</b> , & Waqas, A.	Techno-economic potential assessment of mega scale grid-connected PV power plant in five climate zones of Pakistan	Energy Conversion and Management (Elsevier) 2021	<a href="#">Click here</a>
5	Abbas, A., <b>Sajid, M. B.</b> , Iftikhar, M. A., Khoja, A. H., Ahmad, M. M., Shahid, M., & Ullah, K	Assessment of long-term energy and environmental impacts of the cleaner technologies for brick production	Energy Reports (Elsevier) 2021	<a href="#">Click here</a>

### Language Proficiency:

1. English
2. Urdu
3. Punjabi