



Ms. Nazia Sadiq

Lecturer

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About

Miss Nazia Sadiq is a Lecturer in Applied Physics at the University of Karachi, Pakistan. She holds a strong academic background in electronics, information technology, and renewable energy. Her teaching and research interests span renewable energy systems, applied electronics, experimental physics, sensors and environmental monitoring. She is associated with academic research in alternative energy and is pursuing a Doctorate degree in this area. Through teaching, research, and supervision, she is actively engaged in advancing applied physics education and research in Pakistan.

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Education

- PhD (in progress), Applied Physics. University of Karachi, Pakistan
- MS, IT. Hamdard University, Karachi, Pakistan (2017)
- MSc, Applied Physics. University of Karachi, Pakistan (2007)
- BSc (H), Physics. University of Karachi, Pakistan (2005)

Research Interests

- Renewable Energy Technologies
- Energy Modelling
- Data Analytics
- Environmental Monitoring and Sensor Technologies

Awards & Honors

- Awarded a Full Japanese government scholarship for MS, 2010.
- Selected for a fully funded visit to Abdus Salam International Center for Theoretical Physics (ICTP), Italy for a Training Workshop and International Conference on “Applications of Wireless Sensor Networks and Technologies for Environmental Monitoring in Developing Countries”. 2011.
- Selected for a fully funded visit to Delhi, India for a Regional Training Workshop “Physware 2012: A Collaborative Workshop on Low-Cost Equipment and Appropriate Technologies that Promote Undergraduate-level, Hands-on Physics Education throughout the Developing World” hosted by Abdus Salam International Center for Theoretical Physics (ICTP). 2012.

Selected Publications

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Supervision

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Administrative Roles

- Member, Board of Studies, Department of Applied Physics, University of Karachi. November 2024 – Present.
- Member, Board of Faculty of Science, University of Karachi. November 2024 – Present.
- Departmental Focal Person, ORIC, University of Karachi. August 2025 – Present.

Professional Memberships

- Member, Organization for Women in Science for the Developing World (OWSD) – National Chapter (Pakistan).
- Member, Global Wind Energy Council (GWEC).