

Sania Shaheen

Lecturer of Physics, FUUAST, Islamabad

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Academic Qualification:

- ❖ **M.Phil Physics** Year: 2016 CGPA 3.5/4. International Islamic University Islamabad (IIU)
- ❖ **M.Sc. Applied Physics** Year: 2011 CGPA 3.34/4. Federal Urdu University of Arts, Science and Technology Islamabad (FUUAST)
- ❖ **B.Sc. (Double Maths Physics)** Year: 2008. University of Azad Jammu & Kashmir, Muzaffarabad.

Professional Qualification:

- ❖ **B.Ed** Year: 2015. Allama Iqbal Open University Islamabad (AIOU)

Contemporaneous Research:

Comparative study of “**Synthesis of Graphene by various methodologies, and application of Graphene in the field of electromagnetic radiations**”. Graphene fascinated much attention in recent years owing to its extraordinary electronic, optical, magnetic, thermal, and mechanical properties as well as large specific surface area.

M.Phil Research

M.Phil. research project was “**Zinc oxide (ZnO) nanorods decorated with copper oxide (CuO) nanocomposite as a photoelectrodes.**”

List of Publications:

Published paper

- **A cost effective and eco-friendly green route for fabrication of efficient graphene nanosheets photocatalyst** Sajjad

Shamaila^a Ahmed Khan Leghari Sajjad^b Quart-ul-Ain^a **Sania Shaheen^a**
Anum Iqbal^a Saima Noor^a Ghulam Sughra^a Uzma Ali^a

- **ZnO/TiO₂ nanocomposite photoanode as an effective UV-vis responsive dye sensitized solar cell** Saima Noor¹, Shamaila Sajjad^{1,3}, Sajjad Ahmed Khan Leghari^{2,3}, **Sania Shaheen¹** and Anum Iqbal¹

Major Courses:

Particle Physics	Nuclear physics
Solid State physics	Electromagnetic Theory
Classical Mechanics	Waves and Oscillations
Material Science	Plasma Physics
Physical Electronics	Classical Mechanics
Research Methodology	Characterization Techniques of NM
Mechanics	Thermodynamics
Mathematical Methods of Physics	Physical chemistry

Teaching Experience:

- Lecturer at Department of Physics in “Federal Urdu University of Arts Science and Technology, G-7/1, Islamabad from January **2023** to date..
- Contractual Lecturer at Department of Applied Physics in “Federal Urdu University of Arts Science and Technology, G-7/1, Islamabad from **2017** to January **2023**.
- Served as a **Research Associate** (RA) in “International Islamic University Nano Tech Lab H10 Islamabad” in **2016**.
- Lecturer of Physics as a visiting faculty at Department of Physics from **2015-2017** in “International Islamic University H10 Islamabad”.
- Lecturer of Physics as a visiting faculty at Department of Applied Physics from October **2013** to September **2014** in “Federal Urdu University of Arts Science and Technology”G-7/1, Suharwardy Road, near zero point, Islamabad.

- Lecturer of Physics from August 2012 to September 2013 in “Jinnah Institute of Informatics” 6th Road, Satellite Town Rawalpindi.
- Lecturer of Physics and Mathematics from 2011 to 2012 in “Asif Public High School” Al-Noor Campus Rawalpindi.

Workshops, seminars, conferences and internships:

- 14th International Symposium on **ADVANCE MATERIALS** held on 12-16 October, 2015 at National center for Physics (NCP) Islamabad, Pakistan.
- Workshop on **TRACKING DETECTORS IN HIGH ENERGY PHYSICS** held on 25-27 May, 2015 at NCP Islamabad, Pakistan.
- Certificate on **ELECTRICAL SAFETY** held on 20 November 2012, Islamabad, Pakistan.
- Workshop on **MICROSCOPY** held on 26-28 April, 2011 at NINVEST Islamabad.
- Internship in **EXPERIMENTAL PHYSICS LABS** held on 26 July-19 August, 2010 at NCP Islamabad, Pakistan.

Trainings:

Research Associate at *Nanoscience & Technology Department, National Center for Physics, Islamabad.*

Expertise:

SEM, Raman Spectroscopy, IR Spectroscopy, Mass Spectrometry, XRD, FT-IR, UV Spectroscopy.

Communicative Skills:

Excellent writer & speaker of (English, Urdu and Punjabi)

References:

Dr. Yaqoob khan

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QAU Campus, Islamabad.

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Dr. Shamila Sajjad

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IIUI, Islamabad

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