

NAUMAN SHAFIQ



S/O Rana Shafiq Akhtar

D.O.B July 15, 1998

Nationality Pakistani

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Domicile Kasur

Maritalstatus Single

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Education

Qualification	PassingYear	Institute/University
M.Phil.(Physics)	2021	COMSATS Univertiy Islamabad, Pakistan
B.Ed.(Education)	2020	Allama Iqbal Open University ,Pakistan
MSc.(MasterofScience Physics)	2018	GovernmentCollege University,Faisalabad, Pakistan.
BSc.(BachelorofScience)	2016	University of Sarodha,Pakistan.
FSc.(Pre-engineering)	2014	B.I.S.E Lahore
Matriculation	2012	B.I.S.E Lahore

ResearchExperience

- ✓ Writing **review article** during Master Degree (MSc and MS).
- ✓ Work experience of **writing Thesis** and **research paper** from thesis.
- ✓ **Oral Presentation** in International conference
- ✓ **Poster Presentation** in International Conference

Thesis Topic

Study of Low Work Function-based Lithium Fluoride Nanostructures as electron carrier selective contact for Silicon heterojunction Solar Cells

Work Experience/Academic Achievements

- ✓ 04 years **Teaching experience** in Educational Organization.
- ✓ Got **Scholarship** in **Master level Education**

Research Interest:

I have interest in following fields;

Nano Particle and Nano Technology/ Thin Film	Carbon Material and Carbon Nanotube/ Laser
Solar Cell/Energy Storage Devices	Material sciences and Smart Materials
Biomedical physics/Biosensing	Photonic Crystals, Hybrid Materials and Catalyst
Tissue Engraving Radiation oncology and Drug delivery	Condensed Matter Physics
Nuclear Medicine and Nuclear Physics	Ferroelectric And solid-state materials/ Electromagnetism
Cell Therapy modeling/and MRI	Optical Devices and Optics/ Laser
Porous Material/Coating and Thermal Spraying Technology	Radiation Therapy/ Cancer Treatment
2D,3D Materials and Advanced Materials	Semiconductor devices/ Electronic devices
Plasmonics And Nano photonics	Graphene/BioSensors/ Ferrites

Personal Skill

Understanding Photoluminescence /Electronic absorption Spectroscopy	Good understanding preparation NPs, Thin Film, Quantum Dots,
Good understanding in origin software, MATLAB, Python, Word and Excel	Good Command on UV, XRD, AFM, TEM, EDX, SEM, XPX, FTIR, XPM, BDS, PRTLS, TL, PL, NMR, TGA, DTA, IET and VSM
Good understanding with GC, HPLC, Plasma chamber and Spectro photometer	Good understanding laminar flow cabinet/ MTT assay /cell Culturing/ Antibacterial Activity
Autoclave Apparatus and Sunlight Stimulator	High leadership qualities /Ability to adjust in different environments
Good understanding of windows (7, 8.1 & 10)	Good command on Microsoft office (2010 and 2013)
Water Bath Apparatus	Experience of field experiment designing
Easily handling Microscope	Can work in a group and coordinate well

Conferences, Training and Seminars

1. Attended the International Conference on Materials Science & Nanotechnology (2018) at Government College University Faisalabad, Pakistan.
2. Participated in the Faculty Development Training Workshop on Design Thinking held on July 25, 2022.
3. Attended the International Conference on Materials Science & Nanotechnology (2020) at Government College University Faisalabad, Pakistan.
4. Participated in the KFUEIT Job Fair 2022 organized by the Career Counseling Center.
5. Participated in the 2nd International Electronic Conference on Chemical Sensors and Analytical Chemistry, September 16–30, 2023 (Online).

Languages

- ✓ English, Urdu and Punjabi

Sports activities

Interested in Cricket and Badminton.

Other activities

- ✓ Reading books, magazine and ml movies
- ✓ Interest in cooking.

References

Dr. Shahzada Qamar Hussain
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Dr. Ammir Razzaq
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