



Muhammad Zaman

ID: 3550103261581 **Passport:** FD5201581 **Work permit:** Pakistani

Nationality: Pakistani **Date of birth:** 17/04/1996

Place of birth: NANKANA SAHIB, Pakistan **Gender:** Male

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Work: Department of Physics, Baba Guru Nanak University, Nankana Sahib Near Govt. fatima Jinnah Girls High School mohala Purana Nankana, Distt. Nankana Sahib, 39100 NANKANA SAHIB (Pakistan)

ABOUT MYSELF

Experimental nanomaterials researcher & physics lecturer | magnetoelectric nanofibers | MXene QDs | biomedical & environmental applications.

Lecturer of Physics at Baba Guru Nanak University with an M.S. in Physics and a focused research profile in experimental nanomaterials. My work bridges magnetoelectric nanofibers and MXene-based quantum dots toward targeted anticancer therapies and environmental applications; I am co-author of three peer-reviewed articles and experienced in curriculum development, seminar organization and HEC-aligned program documentation. I combine rigorous laboratory skills, clear teaching, and collaborative leadership to translate scientific ideas into practical, interdisciplinary solutions.

WORK EXPERIENCE

Baba Guru Nanak University, Nankana Sahib – NANKANA SAHIB, Pakistan

City: NANKANA SAHIB | Country: Pakistan

Lecturer of Physics (BS-18)

[25/07/2024 – Current]

Baba Guru Nanak University, Nankana Sahib – NANKANA SAHIB, Pakistan

City: NANKANA SAHIB | Country: Pakistan

Lecturer of Physics (Visiting)

[28/11/2022 – 24/07/2024]

Pak Garrison College Nankana Sahib – NANKANA SAHIB, Pakistan

City: NANKANA SAHIB | Country: Pakistan

Lecturer of Physics

[01/10/2019 – 24/07/2024]

Baba Guru Nanak University, Nankana Sahib – NANKANA SAHIB, Pakistan

City: NANKANA SAHIB | Country: Pakistan

Incharge Student Affairs

[04/12/2024 – 24/07/2025]

Baba Guru Nanak University, Nankana Sahib – NANKANA SAHIB, Pakistan

City: NANKANA SAHIB | Country: Pakistan

Coordinator Student Affairs (CSA)

[08/08/2024 – Current]

 **Baba Guru Nanak University, Nankana Sahib** – NANKANA SAHIB

City: NANKANA SAHIB

Member of Inspection Committee

 **Baba Guru Nanak University, Nankana Sahib** – NANKANA SAHIB

City: NANKANA SAHIB

Focal Person for Admission (department of Physics)

 **Baba Guru Nanak University, Nankana Sahib**

Timetable In-charge of Department of Physics

 **Baba Guru Nanak University, Nankana Sahib**

Coordinator/member of Accessibility Committee

 **Baba Guru Nanak University, Nankana Sahib**

Member of Sports and Curricular Committe

 **Baba Guru Nanak University, Nankana Sahib**

focal Person of Cricket during Annual Sports Gala

 **Department of Physics, Baba Guru Nanak University, Nankana Sahib** – NANKANA SAHIB

City: NANKANA SAHIB

Departmental Focal Person at PM laptop Scheme for Students

EDUCATION AND TRAINING

MS Physics

University of Education, Lahore [04/11/2019 – 22/04/2022]

City: Lahore | Country: Pakistan | Website: www.ue.edu.pk

MSc Physics

University of Education, Lahore [09/10/2017 – 01/07/2019]

City: Lahore | Country: Pakistan | Website: www.ue.edu.pk

LANGUAGE SKILLS

Mother tongue(s): Panjabi; Punjabi

Other language(s):

Urdu

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

English

LISTENING C1 READING C2 WRITING B2
SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

SKILLS

Microsoft Office / Microsoft Word / Microsoft Excel / Microsoft Powerpoint

PUBLICATIONS

[2025]
[PEGylated Fe₃O₄@ Ti₃C₂ MXene Quantum Dots for In Vitro Photothermal Cancer Therapy](#) Khuram Shahzad, Muhammad Ali Abbasi, Sadaf Mushtaq, Muhammad Farzik Ijaz, Denis V Danilov, Nageen Naz, Anna Pestereva, **Muhammad Zaman**, Naseeb Ahmad, Anna Orlova

Journal Name: Materials Chemistry and Physics | Publisher: Elsevier

[2024]
[Physica Scripta Inclusive Publishing Trusted Science, find out more. Purpose-Led Publishing, find out more. Paper Exchange bias behavior in cobalt ferrite-cobalt oxide CoFe₂O₄/CoO nanocomposites for data storage applications](#) Khuram Shahzad, Muhammad Ali Abbasi, Ayesha Jabeen, **Muhammad Zaman**, Umar Shehzad and Muhammad Hassan Rafe

Journal Name: Physica Scripta | Publisher: IOP Publishing

[2024]
[Doxorubicin-loaded core@ shell cobalt ferrite-barium titanate magnetoelectric nanofibers for improved anticancer activity](#) Khuram Shahzad, Muhammad Ali Abbasi, Muhammad Hassan Rafe, Anna Pestereva, Faheem Ullah, **Muhammad Zaman**, Muhammad Irfan, Muhammad Afzal, Anna Orlova

Journal Name: Biomedical Materials | Publisher: IOP Publishing

CREATIVE WORKS

[09/08/2023 – 10/08/2023]

Organizer of 1st Science Project Exhibition Organized a university-level science project exhibition at **Baba Guru Nanak University**, providing a platform for undergraduate students, especially from the Department of Physics, to showcase their innovative science models. Oversaw all stages of planning and execution, including student coordination, evaluation panel arrangements, and event logistics. The exhibition aimed to encourage creativity, scientific thinking, and project-based learning among students.

Link: <https://www.youtube.com/watch?v=qOvgNyWIIU8>

[24/10/2024 – 25/10/2024]

Organizer of 2nd Science Project Exhibition during ICAST 2024 Successfully organized a science project exhibition as part of the **International Conference on Applied Sciences and Technology (ICAST 2024)** held at Baba Guru Nanak University. The event featured student-led projects from various scientific disciplines, aligned with the conference's focus on applied sciences and technology. Managed coordination with the conference committee, guest visits, technical setup, and student participation, ensuring professional presentation standards and academic engagement

CONFERENCES & SEMINARS

[24/10/2024 – 25/10/2024] Baba Guru Nanak University Nankana Sahib

Member of Organizing committee of 1st International Conference on Applied Sciences and Technology (ICAST) 2024

[16/04/2024 – 17/04/2024] Department of Physics, Baba Guru Nanak University Nankana Sahib

Organizer of National Symposium on sustainable energy

[23/12/2024] Department of Physics, Baba Guru Nanak University Nankana Sahib

Organizer of international seminar on nanotechnology and its biomedical applications