

Curriculum Vitae

Dr. Khurram Shehzad



PERSONAL DATA:

Date of Birth March 03, 1989
Nationality Pakistani
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Languages English, Chinese, Urdu and Punjabi
Mailing Address Department of Physics, International Islamic University, Islamabad,
Pakistan, 44000.

RESEARCH INTERESTS:

- Synthesis, Characterization and Practical Application of Novel Nanomaterial
- Visible Light Driven Photocatalytic Textiles for Anti-bacterial and Anti-viral Activities
- Water/Wastewater Treatment

PROFESSIONAL EXPERIENCE:

1. Assistant Professor (IPFP), Department of Physics, International Islamic University, Islamabad, Pakistan, (Jan 2022 – Continue)
2. Postdoc Research Associate, Department of Textile Processing, National Textile University, Faisalabad, Pakistan, (Nov 2020 – Jun 2021).
3. Assistant Professor (Visiting Faculty) at Department of Physics, University of Sahiwal, Sahiwal (Oct 2019 – Feb 2020).

ACADEMIC QUALIFICATION:

PHD MATERIALS PHYSICS AND CHEMISTRY; CGPA: 3.6/4.0; (SEP 2015 – JUN 2019)
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA, HEFEI, ANHUI, CHINA.

-Thesis Title: Fabrication of Zr/Fe-based Nano-materials for Enhanced Arsenic Removal from Water

-Special Materials Subject	-Composite Material Subject	-Research Thesis
- Oral English for Academic Purpose	- Materials for Pollution Control	-Introduction to China

M.S PHYSICS; CGPA: 3.6/4.0; (SEP 2011 - NOV 2013)

INTERNATIONAL ISLAMIC UNIVERSITY, ISLAMABAD, PAKISTAN.

-Thesis Title: Synthesis and characterization of SnO₂ nanostructures for chemical sensing applications

-Nano-Structural Characterization Techniques	-Material Science-I	-Surface Physics
-Nano-Materials & Applications	-Research Methodology	-Research Thesis

M.SC PHYSICS; Marks Obtained: 70%; (SEP 2008 - JAN 2011)

UNIVERSITY OF THE PUNJAB, LAHORE, PAKISTAN.

-Solid State Physics-I	-Computational Physics	-Solid State Physics-II
-Nuclear Physics	-Statistical Physics	-Quantum Mechanics

PUBLICATIONS:

1. **K. Shehzad**, M. Ahmad, C. Xie, D. Zhan, W. Wang, Z. Li, W. Xu, J. Liu, Mesoporous Zirconia (ZrO_2) nanostructures (MZN) for adsorption of As(III) and As(V) from aqueous solutions, **Journal of Hazardous Materials**, 373 (2019) 75–84, **(I.F=10.58)**.
2. **K. Shehzad**, M. Ahmad, J. He, T. Liu, W. Xu, J. Liu, Synthesis of ultra-large ZrO_2 nanosheets as novel adsorbents for fast and efficient removal of As(III) from aqueous solutions, **Journal of Colloid and Interface Science**, 533 (2019) 588–597, **(I.F=8.12)**.
3. **K. Shehzad**, C. Xie, J. He, X. Cai, W. Xu, J. Liu, Facile synthesis of novel calcined magnetic orange peel composites for efficient removal of arsenite through simultaneous oxidation and adsorption, **Journal of Colloid and Interface Science**, 511 (2018) 155-164, **(I.F=8.12)**.
4. **K. Shehzad**, N.A. Shah, M. Amin, M. Abbas, W.A. Syed, Synthesis of SnO_2 nanowires for CO , CH_4 and CH_3OH gases sensing, **International Journal of Distributed Sensor Networks**, 14 (2018) 1550147718790750, **(I.F=1.64)**.
5. C. Xie, Z. Yu, W. Tong, **K. Shehzad**, W. Xu, J. Wang, J. Liu, Insights into the Fluorescence Sensing Mechanism of Scandium-Based Metal-Organic Frameworks by Solid-State NMR Spectroscopy, **ChemistrySelect**, 4 (2019) 5291-5299 **(I.F=1.81)**.

LIST OF SCHOLARSHIPS/FELLOWSHIPS:

1. CAS-TWAS President's PhD Fellowship Programme, April 2016 – July 2019.
2. University of Science and Technology of China (USTC) Scholarship, Sep 2015 – Mar 2016.
3. Educational scholarship/stipend, from Punjab Govt. Servants Benevolent fund for 2002 – 2004.

ACADEMIC HONOURS:

1. I got 1st position in my class in annual exams of matriculation.
2. I Got 1st and 2nd positions in my class in M.Sc. part-I and part-II, respectively.
3. I passed MS Physics with “A” grade in “Research Thesis”.

CONFERENCES:

1. Invited Speaker in a Virtual Seminar by Department of Physics, University of Education Lahore, Vehari Campus, Pakistan, February 24th 2021.
2. Oral Presentation in 2020 Research Symposium, University of Sahiwal (UOS), Sahiwal, Pakistan, February 29th 2020.
3. Oral Presentation in 2nd International Conference on Nanoscience & Nanotechnology, Lahore University of Management Science (LUMS), Lahore, Pakistan, November 2nd 2019.

PROFESSIONAL SOCIETIES/ORGANIZATIONS IN WHICH I HOLD MEMBERSHIP:

1. President of Pakistan student association (PSA) and member of core committee of Foreign Student Association (FSA) of University of Science and Technology of China (USTC), July 28th 2017 to Jan 15th 2018.
2. Member of Foreign Student Association (FSA) of University of Science and Technology of China (USTC), July 15th 2016 to July 15th 2017.

REFERENCES:

1. JIN-HUAI LIU, PHD, PROFESSOR

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Hefei Institute of Physical Science,
Chinese Academy of Sciences, Hefei,
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2. WEI-HONG XU, PHD, PROFESSOR

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4. MUKHTAR AHMAD, PHD

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COMSATS University Islamabad,
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