

DR. NAILA ZUBAIR

PhD Physical Chemistry

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WORK EXPERIENCE

- ❖ Assistant Professor/HOD, Department of Chemistry, Women University Mardan, KPK, Pakistan, 12th April, 2023 till date.
- ❖ Lecturer/HOD, Department of Chemistry, Women University Mardan, KPK, Pakistan, 29th Jan, 2019 to 11th April, 2023.

EDUCATION

- **Ph.D (Physical Chemistry)** **2020**
National Centre of Excellence in Physical Chemistry, University of Peshawar
- **M.Phil (Physical Chemistry)** **2015**
National Centre of Excellence in Physical Chemistry, University of Peshawar
- **M.Sc Chemistry** **2011**
Institute of Chemical Sciences, University of Peshawar
- **B.Sc (Chemistry, Zoology & Botany)** **2008**
WAPDA Degree College, Tarbela Dam
- **F.Sc (Pre-Medical)** **2006**
WAPDA Degree College, Tarbela Dam
- **SSC(Science)** **2004**
WAPDA Girls High School, Tarbela Dam

RESEARCH INTERESTS

- ❖ Fabrication of Functional Nanomaterials with Controlled Morphological Features
- ❖ Characterization of nanomaterials using advanced characterization techniques (FT-IR, XRD, XPS, BET/BJH, SEM, TEM, UV-Visible spectrophotometer etc.)
- ❖ Fabrication of nanomaterials based Gas Sensors of industrial importance
- ❖ Evaluation of antimicrobial properties of nanomaterials
- ❖ Synthesis of nanomaterials for biomedical applications (Dental cement, antibacterial ointment, coating of medical implants)
- ❖ Photo-catalysis

HONORS & AWARDS

- ❖ HEC Approved PhD Supervisor
- ❖ Award of Fellowship under International Research Support Initiative Program (IRSIP) by Higher Education Commission of Pakistan
- ❖ Merit Scholarship during PhD awarded by National Centre of Excellence, University of Peshawar
- ❖ Merit Scholarship during M.Phil awarded by National Centre of Excellence, University of Peshawar
- ❖ Best Poster Presentation award by President of the Chemical Society of Pakistan, 13th International and 25th National Chemistry Conference in University of the Punjab, Lahore (20–22 October, 2014)
- ❖ Best Poster Presentation award by President of the Chemical Society of Pakistan, 12th International and 24th National Chemistry Conference in BZU, Multan (28–30 October, 2013)

INTERNATIONAL CONFERENCE PRESENTATIONS

1. Oral presentation

International Chemistry Conference on Recent Trends and Renewable Energy Technology 2023 organized by Department of Chemistry, University of Swat, Pakistan (08–09 June, 2023)

2. Oral presentation

International Conference on Research Advancements in Chemistry 2021 organized by Department of Chemistry, School of Natural Sciences, NUST, Islamabad, Pakistan (10–11 March, 2021)

3. Oral presentation

3rd International Conference; Empowering Nation Through Sciences by Women University Mardan (24-25th April, 2019)

4. Oral presentation

15th International and 27th National Chemistry Conference in University of Malakand (22–25 August, 2016)

5. Poster presentation

13th International and 25th National Chemistry Conference by Chemical Society of Pakistan in University of the Punjab, Lahore (20–22 October, 2014)

6. Poster presentation

12th International and 24th National Chemistry Conference Chemical Society of Pakistan in BZU, Multan (28–30 October, 2013)

7. Poster presentation

International Conference on Physical and Environmental Chemistry (9–11, September 2013)

SYMPOSIA/TRAININGS/WORKSHOPS

- ❖ **Five Days Training Capacity Building Program for Emerging Women Leaders 17th to 22nd Nov, 2022 Organized by National Academy of Higher Education (NAHE), HEC Islamabad.**
- ❖ **One Day Seminar Institutional Performance Evaluation (IPE),** organized by Quality Enhancement Cell, Women University Mardan.
- ❖ **International Chemistry Workshop For Young Scientists (ICWYS 2020)** January 23-24, 2020 Jointly Organized by NCE in Physical Chemistry, ORIC-University of Peshawar and Pakistan Academy of Sciences.
- ❖ **One Day Interactive Workshop on self-Assessment Report Making, 29th** January, 2020 organized by Quality Enhancement Cell, Women University Mardan.
- ❖ **Mardan Science Festival, 20th April, 2019** organized by District Government Mardan
- ❖ **National Workshop on Optics For Girls, April 12, 2019** Department of Physics, Women University Mardan.
- ❖ **Women Employability Summit 2019, 20th & 21st February, 2019,** organized by ORIC, Women University Mardan.
- ❖ **Employability Skills Workshop, December, 2018,** organized by ORIC, Women University Mardan.
- ❖ **Invention to Innovation Summit (16–17 November, 2016)** Organized by University of Engineering and Technology (UET), Peshawar.
- ❖ **Two Days Workshop on Entrepreneurship, Innovation and Commercialization (26–27 July, 2016)** Organized by NCEPC, University of Peshawar.
- ❖ **Two Days Workshop on Patent & Research Paper Writing (30–31 May, 2016)** Organized by NCEPC, University of Peshawar.
- ❖ **One Day Workshop on Research Tool & Techniques: Citation Management Using Mendeley (14th December, 2015)** jointly organized by NCEPC & PASTIC.

- ❖ **5th Invention to Innovation Summit** (3–4 November, 2015) Organized by University of Haripur.
- ❖ **Two Days Workshop on Recent Advances and New Horizons in Chemistry** (6–7 April, 2015) Organized by NCEPC, University of Peshawar.
- ❖ **One Day Workshop on the use of Digital Library** (11th February, 2015) Organized by NCEPC, University of Peshawar.
- ❖ **One Day Guiding Workshop and Panel Discussion on M.Phil/Ph.D Admission to Completion** (23rd April, 2014) Organized by NCEPC, University of Peshawar
- ❖ **5th Spring Research Poster Exhibition** Organized by Institute of Chemical Sciences (12th March, 2014), University of Peshawar.
- ❖ **One Day Workshop on Citation & Referencing Using Endnote** (16th February, 2012) Organized by NCEPC, University of Peshawar.

SEMINARS/WORKSHOPS ORGANIZED

- ❖ **Workshop on Nanotechnology: Transforming Future through Tiny Innovations**, at Department of Chemistry, WUM in collaboration with Pastic subcentre Peshawar on 6th June, 2023
- ❖ **One Day Training Workshop on Reference Management & Citation Tools, MENDELEY**, at Department of Chemistry, WUM in collaboration with Pastic subcentre Peshawar on 25th January, 2022
- ❖ **WUM GALA Festival** at Women University Mardan (9th December, 2021)
- ❖ **Two-day Online Workshop on Fundamentals and Applications of NMR Spectroscopy** at Department of Chemistry, Women University Mardan (26-27 October, 2021)
- ❖ **Health Camp** on 10th March, 2020 organized in collaboration with Paragon Diagnostic and Research Laboratories at Women University Mardan
- ❖ **One Day Seminar on “Crime Versus Forensic Sciences: Prevention of Crimes Using Modern Tools of Forensic Science”** at Department of Chemistry, WUM (21st February, 2020)
- ❖ **One Day Seminar on “Synthesis and Characterization of Linear Polymers and Polymer Brushes”** Women University Mardan (28th October, 2019)
- ❖ Member Organizing Committee in International Conference on Physical and Environmental Chemistry (9–11, September 2013)
- ❖ Member Organizing Committee in 11th International and 23rd National Chemistry Conference (15–17 October, 2012)

REFERENCES

1. Prof. Dr. Khalida Akhtar (Supervisor)

NCE in Physical Chemistry, University of Peshawar

2. Prof. Dr. Abdul Naeem (Director)

NCE in Physical Chemistry, University of Peshawar