

NAGINA NAVEED RIAZ

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Education:

1. Bahauddin Zakaryia University Multan, Pakistan

2016-2020 **PhD Chemistry (4.00 CGPA)**

Specialization: **Inorganic Chemistry**

Thesis:

Synthesis, Spectroscopic and Biological Characterization of Novel β -Amino Acid Derivatives of Organotin(IV) Complexes

2. Islamia University Bahawalpur, Pakistan

2011-2013 **M.Phil Chemistry (3.56 CGPA)**

Specialization: **Inorganic Chemistry**

Thesis:

Synthesis and spectroscopic study of transition metal complexes with new series of β -amino acids plus N-donar ligands

3. Bahauddin Zakariya University Multan, Pakistan

1997-99 **M.Sc Chemistry (1st Div)**

Major subjects; Physical Chemistry, Organic Chemistry, Inorganic Chemistry, Math's, Bio Chemistry.

Specialization: **Inorganic Chemistry**

Thesis:

Synthesis and characterization of some new mixed ligand Cobalt (II) fluoride Complexes

4. Allama Iqbal open University, Islamabad, Pakistan

April 2005 **M.Ed. (1st Div)**

Major subjects: Science Education

5. University of the Punjab, Lahore, Pakistan

July 2001 **B.Ed. (1st Div)**

Major subjects: Chemistry, Biology, English language,

6. Bahauddin Zakariya University, Multan, Pakistan

1995-97 **B.Sc. (1st Div)**

Major Subjects: Botany, Chemistry, Zoology

7. Govt. College (w) Burewala, Multan, Pakistan

1993-95 **F.Sc. (1st Div)**

Major Subjects: Physics, Chemistry, Biology, English language

8. Govt. M.C High School Burewala

1991-93 **Matric (1st Div)**

Major subjects: English, Mathematics, Physics, Chemistry, Biology

Professional Experience:

- Teaching experience at different High Schools as a Science Teacher.
- Experience of teaching in Divisional Public School Burewala as a Chemistry Teacher.
- Worked as a Lecturer of Chemistry BPS 18 at the University of Education, Vehari Campus since October 2005 to July 2022.
- Working as an Assistant Professor of Chemistry BPS 19 at the University of Education, Vehari Campus since 19th July 2022 to date.

Personal skills:

- Strong communication skills.
- Having good commanding personality.
- Computer skills (Ms. Word, Ms. Excel and Power point and frequent use of E-mail and Internet facilities).
- Fluent in English, Urdu and Punjabi.

Achievements:

- Winner of Best Debater Award in the College.
- Winner of various certificates in Quiz Programmes.
- Awarded Merit Scholarships by Pakistani Government during F.Sc. and B.Sc.
- Awarded Excellent Chemistry Teacher Certificate from Divisional Public School Burewala and The Educators Lahore.
- Attended many Refresher Courses for the Teacher's Training.
- Awarded a Certificate by the Government of Pakistan Higher Education Commission, Islamabad in recognition of attending a workshop on Assessment held at Bahauddin Zakariya University, Multan on January 26-28, 2006.
- Awarded a Certificate by National Academy of Higher Education in recognition of active participation in a Staff Development Course organized by the Higher Education Commission, Islamabad held at University of Education, Lahore on April 25-May 23, 2007.
- Awarded Certificate of Participation by presenting a poster presentation at the 12th International and 24th National Chemistry Conference held at the Institute of Chemical Sciences Chemistry, Bahauddin Zakariya University, Multan on October 28-30, 2013.
- Awarded Certificate of Participation at the International Chemistry Conference Frontiers of Chemistry (Celebrating the Periodic Table Year, 2019) held at the Institute of Chemical Sciences Chemistry, Bahauddin Zakariya University, Multan on March 27-29, 2019.
- Awarded Certificate of Appreciation by presenting an oral presentation at the 1st International Conference (TRIC 2022) held online at the Department of Chemistry, University of Education, Lahore on January 18-19, 2022.
- Having passed the IELTS (academic) by securing 6.0 bands and IELTS (general) by securing 6.5 bands.

Research Experience:

- Worked as a research student at Bahauddin Zakariya University Multan and Islamia University Bahawalpur.
- Experience of handling UV Visible and Infrared Spectrophotometers.

- Experience of checking and handling the student's laboratory work and assignments while working in laboratory.
- Supervised five BS Students and currently supervising five BS Chemistry, four MS Chemistry and one PhD Chemistry student.

Publications:

- **Nagina Naveed Riaz**, Muhammad Mahboob Ahmed, Muhammad Kashif, Muhammad Sajid, Muhammad Ali, Khalid Mahmood, Biologically Potent Organotin(IV) Complexes of N-Acetylated β -Amino Acids with Spectroscopic, X-Ray Powder Diffraction and Molecular Docking Studies *RSC Advances*, 2023,13, 10768-10789. <https://doi.org/10.1039/D2RA06718H>
- Muhammad Fiaz, Nkenku Carl, Muhammad Kashif, Muhammad Asim Farid, **Nagina Naveed Riaz**, Muhammad Athar, Development of efficient bi-functional g-C₃N₄@MOF heterojunctions for water splitting, *RSC Advances*, 2022, 12, 32110–32118. <https://doi.org/10.1039/D2RA05594E>
- Khalil Ahmad, Habib-ur-Rehman Shah, Muhammad Ahmad, Muhammad Mahboob Ahmed, Khalida Naseem, **Nagina Naveed Riaz**, Ali Muhammad, Asif Ayub, Munir Ahmad, Zahoor Ahmad, Alisha Munwar, Abdul Rauf, Riaz Hussain, Muhammad Ashfaq, Comparative Study Between Two Zeolitic Imidazolate Frameworks as Adsorbents for Removal of Organoarsenic, As(III) and As(V) Species from Water, *Brazilian Journal of Analytical Chemistry*, doi: 10.30744/brjac.2179-3425.AR-112-2021
- Muhammad Mahboob Ahmed, **Nagina Naveed Riaz**, Muhammad Kashif, Muhammad Ashfaq, Muhammad Naveed Arshad, Muhammad Sajid, Synthesis, Hypoglycemic Effect, Anti-microbial and Molecular Docking Studies of Organotin(IV) Complexes derived from N-Phthalimido β -Amino Acid Derivatives, *Journal of Brazilian Chemical Society*, 32 (2021)1082-1099.
- **Nagina Naveed Riaz**, Fazal Ur Rehman, Shabbir Hussain, Sheikh Asrar Ahmad, Quality Assessment of Drinking Water in Vehari District of Punjab, Pakistan, *International Journal of Economic and Environmental Geology*, 12 (2021) 21-26.
- **Nagina Naveed Riaz**, Muhammad Mahboob Ahmad, Novel Organotins: Basic Chemistry and Medicinal Potential, *Medicinal Chemistry* (Los Angeles), 9 (2019) 030-036.
- **Nagina Naveed Riaz**, M. Fazal-ur-Rehman, Muhammad Mahboob Ahmad, β -Amino Acids: Role in Human Biology and Medicinal Chemistry - A Review, *Medicinal Chemistry*, 7 (2017) 302-307.
- **Nagina Naveed Riaz**, M. Fazal-ur-Rehman, Biological Applications of β -amino acids and its derivatives, *International Academy of Engineering and Medical Research*, 2 (2017) (<http://www.iaemr.com>).
- Muhammad Ashfaq, Rukhsana Tabassum, Muhammad Mahboob Ahmad, **Nagina Ali Hassan**, Hiroyuki Oku, Gildardo Rivera, Enantioselective Synthesis of β -amino acids: A Review, *Medicinal Chemistry*, 5 (2015) 295-309.