

# Dr. Muhammad Pervaiz Bhatti

Assistant Professor

IUPAC Affiliate 2014

Department of Chemistry

Government College University Lahore, Pakistan

<https://gcu.edu.pk/chemistry.php?pg=faculty>

Google Scholar: <https://scholar.google.com/citations?hl=&user=>

Total Citations: 2624

H-Index 26

ORCID ID: Muhammad Pervaiz (<https://orcid.org/0000-0003-2305-2260>)



Number of Articles Published: 101

Number of Books Published: 03

Number of Books Chapters Published: 30

Specialization. Inorganic Chemistry/ Coordination Chemistry/ Organometallics

Post PhD Experience: 11y

No. of research Students Supervised:

M.Phil: 30

B.S(H) 40

M.Sc 10

Ph.D 4(in process)

Research Productivity Award 2021:

The University of Lahore, Pakistan

## PERSONAL DETAILS

Father's Name: Muhammad Wakil Ahsan

CNIC #: 35202-6004990-1

Citizenship: Pakistani

Marital Status: Married

Date of Birth: December 02, 1982.

Mobile: +92-333-4545498

Email: [mpbhatti786@gmail.com](mailto:mpbhatti786@gmail.com) : [dr.mpbhatti@gcu.edu.pk](mailto:dr.mpbhatti@gcu.edu.pk)

Permanent address: Bhatti Palace: House No.4: Ghani Street

No 55: Haji Park Rajgarh Lahore

## CAREER OBJECTIVES



Looking for a bright future.



To serve in an organization where everyone gets equal opportunity to implement and prove once's skills and capabilities.



Satisfy my seniors, myself too, with my work and attitude.

## RESEARCH INTERESTS OF PhD

## Synthesis, characterization, and biological studies of novel Schiff base derivatives of post transition metal complexes

- ✚ Different compounds of Schiff bases along with monometallic and bimetallic complexes have been synthesized
- ✚ Synthesized monometallic and bimetallic compounds were characterized and analyzed by different spectroscopic tools (**FT-IR, Mass Spectrometer NMR and XRD**).
- ✚ Synthesized compounds were employed for antibacterial and antifungal activities to check their effect to inhibit the growth of fungus and bacteria

### ACHIEVEMENTS

- ✚ **Ranked among the top 2% of the World Scientists (2023)**  
recognized by Stanford University and Elsevier
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recognized by Stanford University and Elsevier
- ✚ **Best Reseracher Award (2022)**  
University of Lahore
- ✚ **Member in reviewer committee of Punjab Textbook Board**  
Selected as the member of Punjab Curriculum committee for up-gradation and editing of Chemistry Book for matric and F.sc.
- ✚ **Principal Investigator of a Project Entitled. (Completed)**  
“Synthesis and Characterization of sulfonamide derivatives metal complexes as antimicrobial agents.” Funded by ORIC Government College University Lahore, Pakistan
- ✚ **Principal Investigator of a Project Entitled. (Completed)**  
“Preparation and extraction of Chrome pigments from Chromite ore”  
Approved by HIGHER EDUCATION COMMISSION OF PAKISTAN  
Under the program “START-UP RESEARCH GRANT PROGRAM”
- ✚ **Process development for Bio-Organic Phosphate from Phosphate rock. ( Industrial Project)**

### QUALIFICATIONS

Degree	Institute	Session
PhD Chemistry	G. C. University Faisalabad	2009-2014

<b>M. Sc. (Chemistry)</b>	<b>Punjab University, Lahore</b>	<b>2002-2004</b>
<b>B. Sc (Bot, Zoo, Chem)</b>	<b>Punjab University, Lahore</b>	<b>2000-2002</b>
<b>F. Sc (Pre-Medical)</b>	<b>BISE Lahore</b>	<b>1998 -2000</b>
<b>Matriculation (Science)</b>	<b>BISE Lahore</b>	<b>1996-1998</b>

## CONFERENCES PROCEEDINGS



### **National Keynote Speaker at International Islamic University Islamabad. Antimicrobial activities of Schiff bases Metal Complexes**

One Day Symposium on Nano materials as Heterogenous Catalyst for Biomedical Applications . **Muhammad Pervaiz**, May 2022



### **Synthesis, Characterization, and biological studies of novel Schiff base derivatives of post transition metal complexes.**

Poster Presentation in International Conference at HEJ Karachi, Pakistan.  
**Muhammad Pervaiz**, March 2011.



### **Antimicrobial effects of metal chelate**

Presentation in International Conference on Safe food and Human Health at Government College University Faisalabad, Pakistan. **Muhammad Pervaiz**, January 2011.

## WORKING EXPERIENCE



### **ASSISTANT PROFESSOR (CHEMISTRY)**

28<sup>th</sup> October 2021 to till date

Department of Chemistry Government College University Lahore,  
Pakistan



### **Lecturer (CHEMISTRY)**

26<sup>st</sup> August 2021 to 27 October 2021

Department of Chemistry Government College University Lahore,  
Pakistan



### **ASSISTANT PROFESSOR (CHEMISTRY)**

12<sup>th</sup> July 2019- 25<sup>th</sup> August 2021

Department of Chemistry Khwaja Fareed University of Engineering  
and Technology Rahim Yar, Pakistan



### **ASSOCIATE PROFESSOR (CHEMISTRY)**

9<sup>th</sup> February 2021- 11<sup>th</sup> July 2021

-  Department of Chemistry University of Lahore, Pakistan  
**ASSISTANT PROFESSOR (CHEMISTRY)**  
25<sup>st</sup> September 2019- 08<sup>th</sup> February 2021  
Department of Chemistry University of Lahore, Pakistan
-  **ASSISTANT PROFESSOR (IPFP) (CHEMISTRY)**  
1<sup>st</sup> September 2014- 31<sup>st</sup> August 2015  
Department of Chemistry Government College University Lahore,  
Pakistan
-  **Senior Research Officer (Research and Development Wing)**  
1<sup>st</sup> Sep 2015— 24<sup>th</sup> Sep 2021  
Zeta chemical company Lahore, Pakistan.
-  **Lecturer (CHEMISTRY)**  
17<sup>th</sup> June 2012- 31<sup>st</sup> January 2013  
Department of Chemistry Cadet College Kallar Kahar Kallar Kahar,  
Pakistan
-  **Research Officer**  
1<sup>st</sup> August 2004— 15<sup>th</sup> April 2006,  
Institute of Chemistry University of the Punjab. Lahore, Pakistan
-  **Ph.D. Duration**  
15 September 2009— 14<sup>th</sup> April 2014,  
Department of Chemistry Government College University  
Faisalabad, Pakistan

### Some Selected Publications

1. **Muhammad Pervaiz**, Sehar Sadiq., Amber Sadiq, Umer Younas., Ubaid Ullah., Zohaib Saeed., Muhammad Zuber and Ahmad Adnan. 2021. Azo- Schiff base derivatives of Transition metal Complexes as antimicrobial agents. *Coordination chemistry Reviews*, 447:214128. **I.F = 22.314**
2. **Muhammad Pervaiz\***, Ikram Ahmad., Muhammad Yousaf, Shamaila Kiran., Asima Munawar., Zohaib Saeed., Tahseen Kamal., Awais Ahmad and Ayoub Rashid.2019. Synthesis, spectral and antimicrobial studies of amino acid derivative Schiff base metal (Co, Mn, Cu, and Cd) complexes. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 206(5):642-649. **I.F . 4.098**

3. **M. Pervaiz**, M. Yousaf, M. Sagir, M. Mushtaq , M. Y. NAZ , S. ULLAH and R. MUSHTAQ. 2015. Synthesis and characterization of bimetallic post transition complexes for antimicrobial activity. *Synthesis and reactivity in Inorganic, Metal organic and Nono- metal Chemistry*, 45(4),546-552. **I.F. 1.716**
4. **Muhammad Pervaiz**, Rimsha Quratulain, Anam Ejaz, Musarat Shahin, Zohaib Saeed, Shagufta Nasir, Rana Rashad Mahmood Khan, Adnan Ashraf, Sami Ullah, Umer Younas.2024. [Thiosemicarbazides, 1, 3, 4 thiadiazole Schiff base derivatives of transition metal complexes as antimicrobial agents](#). *Inorganic Chemistry Communications*,160: 111856 **I.F = 3.8**
5. **Muhammad Pervaiz**, Musarat Shahin, Anam Ejaz, Rimsha Quratulain, Zohaib Saeed, Adnan Ashraf, Rana Rashad Mahmood Khan, Syed Majid Bukari, Umer Younas. 2023. [An overview of Aniline-Based Schiff base metal Complexes: Synthesis, characterization and biological activities-a review](#). *Inorganic Chemistry Communications*,159: 111851 **I.F= 3.8**
6. **Muhammad Pervaiz**, Nimra Sajjad, Zumar Amjad, Anam Ejaz, Hafiz Amir Nadeem, Muhammad Imran, Zohaib Saeed, Faiza Hassan, Rana Rashad Mehmood Khan, Umer.2025. Synthesis, Structural Elucidation and Antimicrobial Investigation of *m*-phenylenediamine Derivatives of Schiff Base Metal Complexes. *Chemistry Africa*, 8: 799-838. **I.F. 2.3**
7. **Muhammad Pervaiz**, Anfal Munir, Aqsa Riaz, Zohaib Saeed, Umer Younas, Muhammad Imran, Sami Ullah, Rashida Bashir, Ayoub Rashid, Ahmad Adnan. 2022. Review article-Amalgamation, scrutinizing, and biological evaluation of the antimicrobial aptitude of thiosemicarbazide Schiff bases derivatives metal complexes, *Inorganic Chemistry Communications*,41: 109459 **I.F= 2.495**
8. **Muhammad Pervaiz** \*. Ikram Ahmad., Zohaib Saeed., Muhammad Sagir., Umer Younas Muhammad Bilal Tahir\*, Awais Ahmad., Adnan Ashraf., Ayoub Rashid., Quratulain Syed., Ahmad Adnan. 2022. Amalgamation and Scrutinizing of Leucine Derivatives Schiff bases Complexes as Antimicrobial Agent. *Combinatorial chemistry & high throughput screening* 25(7):1167-1180 [10.2174/1386207325666210927092623](#) **I.F. 1.33**
9. **Muhammad Pervaiz**, Amber Sadiq, Sahar Sadiq., Zohaib Saeed., Muhammad Imran Umer Younas, Syed Majid Bukhari., Rana Rashad Mehmood Khan., Ayoub Rashid., Ahmad Adnan. 2022. Design and Synthesis of Schiff Base Homometallic-Complexes as Promising Antimicrobial Agents. *Inorganic Chemistry Communications*. 137:109206. **I.F = 2.495**

10. **Muhammad Pervaiz**., Aqsa Riaz., Anfal Munira., Zohaib Saeed., Shah Hussain., Ayoub Rashid., Umar Younas., Ahmad Adnan. 2020. Synthesis and characterization of sulfonamide metal complexes as antimicrobial agents. *Journal of Molecular structure*, 1202:127284. **I.F. 3.196**
11. Muhammad Yousaf. **Muhammad Pervaiz**. Muhammad Sagir., Muhammad Mushtaq. Muhammad Ashhar-uz-zaman and Yasin Naz. 2013. Synthesis of tetradentate Schiff bases derivatives of transition bimetallic complexes as antimicrobial agents. *Taipei, Journal of Chinese Chemical Society* 60:1150-1155. **I.F. 1.967**
12. Shahana Zainab , Waseeq Ahmad Siddiqui , Muhammad Asam Raza , Adnan Ashraf , **Muhammad Pervaiz** , Faisal Ali , Umer Younas , Aimon Saleem , Muhammad Ashfaq , Muhammad Nawaz Tahir .2023. Synthesis, characterization, crystal structure, Hirshfeld surface analysis and DFT of 1,2-benzothiazine metal (II) complexes. *Journal of Molecular Structure*, 1284: 135316. **I.F = 4**
13. Aemin Ali., **Muhammad Pervaiz** \*, Zohaib Saeed., Umer Younas., Rashida Bashir., Samiullah., Syed Majid Bukhari ., Faisal Ali., Seemal Jelani., Ayoub Rashid., Ahmad Adnan.2022. Synthesis and biological evaluation of 4-dimethylaminobenzaldehyde derivatives of Schiff bases metal complexes: A Review. *Inorganic Chemistry Communications*. 145: 109903 **IF. 3.42**
14. Qurat-Ul-Ain Sandhu, **Muhammad Pervaiz**, Abdul Majid, Umer Younas, Zohaib Saeed, Adnan Ashraf, Rana Rashad Mahmood Khan, Sami Ullah, Faisal Ali, Seemal Jelani. 2023. [Schiff base metal complexes as anti-inflammatory agents](https://doi.org/10.1080/00958972.2023.2226794), *Journal of coordination chemistry*, 76(9-10), 1094-1118. [doi.org/10.1080/00958972.2023.2226794](https://doi.org/10.1080/00958972.2023.2226794) **I.F = 1.86**

#### **PUBLISHED BOOK**

1. Awais Ahmad, **Muhammad Pervaiz**, Zohaib Saeed, Rafael Luque, Mabkhoot Alsaiari, and Farid A. Harraz.2023. VOLUME 1: ZIF-8 BASED MATERIALS FOR PHARMACEUTICAL WASTE. *De Gruyter*
2. Awais Ahmad, **Muhammad Pervaiz**, Umer Younas, Rafael Luque, Mabkhoot Alsaiari, and Farid A. Harraz.2023. VOLUME 2: ZIF-8 BASED MATERIALS FOR WATER DECONTAMINATION
3. **Muhammad Pervaiz Bhatti**., Muhammad Sagir and Muhammad Yasin Naz. 2014 Novel Schiff bases Metal Complexes. Scholar's Press, ISBN: 978-3-639-71907-9