

# Dr. HAJIRA REHMAN

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## PERSONAL INFORMATION

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Father's Name : Muhammad Abd Ur Rehman Khan  
Date of Birth : 21-06-1986  
Marital Status : Married  
Religion : Islam  
C.N.I.C # : 33202-4913077-0  
Domicile : Jhang (Punjab)

## Educational Background

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Qualification	Years	% age/ CGPA	Institute
PhD	2018	80.00	University of the Punjab, Lahore.
MS/M.Phil (Chemistry)	2009-11	80.05	University of the Punjab, Lahore.
BS/M.Sc. (Chemistry)	2004-08	77.541	University of the Punjab, Lahore.
F.Sc. (Pre- Medical)	2001-04	77.36	BISE Faisalabad
Matriculation	1999-01	82.35	BISE Faisalabad

## TEACHNICAL SKILLS

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- ✓ UV-Vis Spectrophotometer.
- ✓ Flame Photometer.
- ✓ Atomic Absorption Spectrophotometer.
- ✓ PH meter.

- ✓ IR Spectrometer
- ✓ Flash Chromatography.
- ✓ Inductively Coupled Plasma.

## **WORK EXPERIENCE**

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### **• Academics**

- i. March 2020 to date as Lecturer of chemistry in **University of Sahiwal, Sahiwal Pakistan**
- ii. September 2018 to March 2020 Assistant Professor of Chemistry in **Lahore Garrison University Lahore, Pakistan**
- iii. June 2016- September 2018 Senior Lecturer of Chemistry in **Lahore Garrison University Lahore, Pakistan**
- iv. Sep 2012 - to June 2016. Lecturer of Chemistry in **Lahore Garrison University Lahore, Pakistan**

### **• Administrative**

- i. HEC and QEC Coordinator for Faculty of Basic Sciences in Lahore Garrison University Lahore, Pakistan
- ii. Head Garrison Chemical Society (Department of Chemistry , Lahore Garrison University)
- iii. Head Departmental Disciplinary Committee (Department of Chemistry , Lahore Garrison University)
- iv. Head SAR team for BS Chemistry (Department of Chemistry , Lahore Garrison University)
- v. Member M.Phil admission committee (Department of Chemistry , Lahore Garrison University)
- vi. Member inspection team for Exam conduct (Department of Chemistry , Lahore Garrison University)
- vii. Member departmental board of studies (Department of Chemistry , Lahore Garrison University)

## **DISTINCTIONS / AWARDS**

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- ✓ 1<sup>st</sup> Position in Specialization year (2007-08) during BS Chemistry in University of the Punjab Lahore, Pakistan.
- ✓ 3<sup>rd</sup> Position in F.Sc. in Faran Model College, Jhang Pakistan.(2004)

- ✓ Distinction certificate in Matric from Faran Model School Jhang Pakistan. (2001)
- ✓ 3<sup>rd</sup> Position in District (Jhang) in 8<sup>th</sup> Class. (1998)

## **RESEARCH PROJECTS**

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### **PhD Chemistry:**

- ✓ *“Synthesis of Novel Derivatives of Sulfonamides Drugs “*

### **MS Chemistry:**

- ✓ *“Comparative Studies on Adsorption of Methyl Orange dye by using seeds (Mellon, Water Melon and Musk Mellon)”*

### **BS Chemistry:**

- ✓ *“Synthesis of L-Gultamic acid Complexes with Essential Metals for Plant Nutrition”*

## **STUDENTS SUPERVISED**

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M.Phil.	02
M.Phil. (Co-supervisor)	03
M.Sc.	05
BS(hons)	05

## **EXTRA CURRICULAR ACHIEVEMENTS**

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- ✓ 1<sup>st</sup> Position in Inter-School’s Speech Competition. (1998-99).

## **EXTRA SKILLS**

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- ✓ Good Written & communication skills.
- ✓ Excellent problem solving skills.
- ✓ Excellent command in subject related concepts.

## **PUBLICATIONS**

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1. Habib Hussain, Syeda Rubina Gilani, Zulfiqar Ali, **Hajira Rehman** et al. “Synthesis and Characterization of Novel (E)-1-(Hexa-3,5-dien-1-yl)-4-

- methoxybenzene via Boronate Complex" Published in Asian Journal of Chemistry, Vol. 26, No. 21 (2014), 7401-7403.
2. Zulfiqar Ali, Syeda Rubina Gilani, Farkhanda Jabeen, **Hajira Rehman** et al. "Investigation of Antibacterial Activity of Alanine and Phenylalanine Derived Weinreb Amides against Different Bacterial Strains" Published in Asian Journal of Chemistry, Vol. 26, No. 20 (2014), 7067-7068.
  3. Habib Hussain, Syeda Rubina Gilani, Zulfiqar Ali, **Hajira Rehman** et al. "Synthesis and Antibacterial Activity of Zn (II) Schiff Base Complexes Derived from 3-Acetyl-2H-chromen-2-one" Published in Asian Journal of Chemistry, Vol. 27, No. 9 (2015), 3440-3444.
  4. Zulfiqar Ali, Mirza Naman Khalid, Syeda Rubina Gilani, **Hajira Rehman** et al. "Synthesis and Antibacterial Activity of Coumarin and Its Derivatives" Published in Asian Journal of Chemistry, Vol. 27, No. 9 (2015), 3321-3324
  5. **Hajira Rehman**, M. Abdul Qadir et al. "Synthesis, Spectroscopic Characteristics and Antibacterial study of Some Novel Sulfonamide" Asian Journal of Chemistry Vol. 28, No. 2 (2016), 343-346.
  6. Zulfiqar Ali, Syeda Rubina Gilani, Habib Hussain, **Hajira Rehman** et al. "Synthesis, structural and antibacterial study of new silver complex with 3-acetyl-2H Chromene-2-one". *Ethiopian Journal of Chemistry*; Vol.30, No.03 (2016), 403-411
  7. Abid M. Amin, Shakir A. Shahid, Wang Li, Yu Haojie, Zulfiqar Ali, **Hajira Rehman** et al. "An Efficient Synthesis, Structural Characterization and Hydrolytic Degradation Studies of Poly[bis(3-phenyl-1-propoxide amino benzoic acid diethylamino)phosphazene] as Potential Materials for Biomedical Applications" *J Inorg Organomet Polym* Vol. -017 0533-9
  8. Asmat Zahra, Tariq Mahmud, M. Nawaz Tahir, Hazoor Ahmad Shad, **Hajira Rehman** et al. Synthesis, Characterization and Magnetic Studies of Dysprosium Complex,  $[Dy_2(TEA)_2(O_2CPh)_4 \cdot 2H_2O]$ . *Journal of Chemical Crystallography*, Vol.47, No.5 (2017), 151- 156.
  9. **Hajira Rehman**, M Abdul Qadir et al. One pot synthesis of Some Novel Derivatives of Sulfonamide Derivatives containing  $-NH_2$  Groups: Spectral

Characterization and Biological Evaluation. Medicinal Chemistry(Los Angeles)2017,7:9

10. **Hajira Rehman**, M Abdul Qadir et al. Synthesis and Characterization of novel sulfonamides derivatives and their antimicrobial, antioxidant, and cytotoxicity evaluation. Bull. Chem. Soc. Ethiop. **2017**, 31(3), 491-498.
11. Asmat Zahra, Tariq Mahmud, Hazoor Ahmad Shad, Muhammad Nawaz Tahir, **Hajira Rehman**, Tanzeela Gulab Shahzady, Zufiqar Ali. Synthesis, Characterization and Magnetic Studies of Cobalt (II), Manganese (II) and Copper (II) Complexes containing Nitrogen–Oxygen Donor Ligands. Revista de Chîmie . vol.69 (7) july **2018**.
12. Nasir Ishaque Tahir, Shabbir Hussain, Mohsin Javed, **Hajira Rehman** et al. Nature of aflatoxins: Their extraction, analysis, and control. J Food Saf. 2018;e12561.
13. Muhammad Iqbal, Majid Munir, Shabbir Hussain, Bushra Parveen, Mohsin Javed,**Hajira Rehman** et al. Reduction of pollution load of tanneries wastewater by combined treatment with UV and H<sub>2</sub>O<sub>2</sub>. Polish Journal of Environmental Studies. PJOES-00691-2018-02 , Accepted
14. Ayesha Rehman, Shabbir Hussain, Mohsin Javed, Zufiqar Ali, Hajira Rehman"Chemical composition and remedial perspectives of hippophae rhamnoides linn" POSTĘPY BIOLOGII KOMÓRKI TOM 45 2018 NR 3 (199–210)
15. Tanzeela Gulab Shahzady ,Shazia Khurshid, Amin Abid, Zufiqar Ali, Shumaila Razzaque .,**Hajira Rehman**, Asmat Zahra, Shabbir Hussain, Muhammad Waqas. Synthesis, Characterization and Hydrolytic Degradation of p-Cresol Substituted Polyphosphazenes. AJSE-D-18-05313R2. (ISSN 1319-8025
16. **Hajira Rehman**, Zufiqar ali et al Synthesis, X-Ray Analysis and Antibacterial Study of Silver Complex with Ethyl-5-Hydroxy-2-Oxo-2H-Chromene-3-Carboxylate. Bull. Chem. Soc. Ethiop. 467-474 33(3) 2019

17. **H. REHMAN**, et.al Synthesis and Charecterization of ZnO Nanoprticles and their use as an adsorbents for Arsenic Removal from Drinking Water Digest Journal of Nanomaterials and Biostructures, October- 2019 Vol.14, No.4 1033-1040
18. Mishal Chaudhari, Shabbir Hussain, **Hajira Rehman**, Tanzeela Gulab Shahzady A perspective Study on Lead Poisoning: Exposure, Effects and Treatment Int. J. Econ. Environ. Geol. Vol. 10 (3) 70-77 2019