

HIRA SULTAN

Lecturer
NED University of Engineering & technology

CONTACT

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Education

2021 – Present Ph. D in progress (Chemistry) NED University of Engineering & technology CGPA 3.87

2013-2017 MS (Chemistry) Jinnah University for Women C.G.P.A 3.63

2006-2010 B.S (Chemistry) University of Karachi 1st division

2004-2006 INTERMEDIATE A

2002-2004 MATRICULATION A+

Work Experience

Lecturer

(November 2018 till Date)

Department of Chemistry N.E.D. University of Engineering and Technology

Co-operative Teacher (January 2014-October 2018)

Department of Chemistry N.E.D. University of Engineering and Technology

Courses Taught in Undergraduate & Postgraduate:

- Physical Chemistry
- General Chemistry
- Inorganic Chemistry
- Fats & Oils
- Separation Technique

Thesis/Project

- MS thesis on “Synthesis, Characterization and Biological Activities of Transition Metal Chelates” under supervision of Dr. Noshab Qamar and Co-supervision of Prof. Dr. Khalid Muhammad Khan S.I.T.I in the year 2017
- Co- Supervise final year Project on “Synthesis of Biological Compounds and their micro analytical techniques”
- Co- supervise final year project on “Synthesis of silver Nano particles by using vitamins and amino acids”
- Co- supervising of ISP (MS) on “Synthesis, characterization and biological activities of Schiff bases”
- Supervising final year project on green synthesis of Nanoparticles and its application
- Supervising final year project on Synthesis of mixed ligand complexes of amino acids and its biological activity

Honors/Awards

- Qualified for the Scholarship of Faculty Development Program
- Member of Outcome Based Education System (OBE) in NED University of Engineering & Technology
- Class Advisor & Class Counselor of First Year (Undergraduate Program)
- Qualified GAT General in 2015

Trainings

- Faculty Development Program by HEC
- Awareness of Intellectual Property and Commercialization Policy, 12th November 2019
- Understanding of Harassment Rules and Prevention, 25th November 2019
- Preparation of Course file, 06 January 2020
- Importance of feedback analysis, 22 January 2020
- Online Evaluation & assessment of Students, 2nd December 2020
- HEC's Undergraduate Policy 2020-21, 29th June 2021
- Duties and Responsibilities of Class Advisors, 18th October 2021
- OBE System Framework 28th – 31st December 2021
- Data Base Development and network Administration, 28th – 29th March 2022
- How to write effective project proposal, 29th September 2022

Publications

- Noshab Qamar, Hira Sultan, Khalid Mohammed Khan, Rafia Azmat, Raheela Naz, Abdul Hameed and Mehreen Lateef, 8-Hydroxyquinoline-Methionine Mixed Ligands Metal Complexes: Preparation and Their Antioxidant Activity, Chemistry Select (2019), 4, 3058 –3061
- Noshab Qamar, Hira Sultan, Ahmad Raheel, Maria Ashfaq, Rafia Azmat, Raheela Naz, Mehreen Lateef, Khalid Mohammed Khan and Tanzila Arshad, Heterochelates of metals as an effective anti - Urease agents couple with their docking studies, Pak. J. Pharm. Sci., Vol.32, No.3(Suppl), May 2019, pp.1179-1183

Conferences and Seminars

1. Participated in KIBGE workshop on “Planning, Execution and Successful Accomplishment of Research Degree”, April 2014, Dr. A. Q Khan Institute of Biotechnology and Genetics, University of Karachi
2. Participated in “IYCr South Asia Summit Meeting on Vistas in Structural Chemistry”, April 2014, H.E.J Research Institute, International Centre for Chemical and Biological Science.
3. Participated in 09 Days Workshop on “Current Analytical and Computational Techniques in Chemistry (HPLC)”, June 2014, Federal Urdu University of Arts, Science & Technology.
4. 03 Days Workshop on “Analytical Techniques”, September 2014, Jinnah University for Women.
5. Participated in 5th Workshop on “Developing Industry Driven Technology”, January 2015, N.E.D University of Engineering and Technology.
6. Participated in Seminar on “Use of Mass Spectrometry in Organic Chemistry”, November 2015, Federal Urdu University of Arts, Science & Technology.
7. Participated in one –day Training Workshop on “Approaching towards Comprehensive Elimination of Persistent Organic Pollutants (Pesticides) in Pakistan”, 2017, Ministry of Climate Change, Govt. of Pakistan.
8. Participated in poster presentation in 28th National and 16th International Chemistry Conference on Global Changes and Chemistry, 20th -22nd November 2017, FUUAST.
9. Participated in oral presentation in 2nd international conference on advanced material and process engineering, 12th and 13th December 2017, NEDUET.
10. Oral presentation in 2nd international conference on advanced material and process engineering on Adsorption of Methylene Blue and Malachite Green on bark of guaiacum officinale “A Low cost effective Adsorbent”, 12th and 13th December 2017, NEDUET.
11. Participated in 1st international industrial Chemistry conference , 26th – 28th Feb 2021, NEDUET
12. Poster Presentation in 1st International industrial Chemistry Conference, 26th -28th February 2021
13. Participated in hands on training workshop on HPLC, NEDUET.
14. Attended 1 credit hour course on @ Laboratory safety and security, 14th Jan 2022, LEJ.
15. Organized talk on Alleviating Planet and the people (Outreach Program in in collaboration with UNICEF and UNDP, 26th Jan 2022
16. Participated in 15th International Symposium on Natural Product Chemistry (ISNPC-15)”, during February 21st -24th, 2022.
17. Organized One Day Seminar on Role of Chemist in Pharmaceutical Industries by BOSCH Pharmaceutical, Pvt. Ltd, 29th June 2022.
18. Organized One Day Recruitment Drive for Undergraduate Students by Matco. Foods, 21st September 2022.
19. Organized 2nd International Industrial Chemistry Conference, 3rd – 4th March 2023.

References

- References will be submitted upon request