



Faculty Profile

Full Name: Dr. Hira Noor Malik

Position/ Designation: Lecturer

Faculty/Department: Pharmacy

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Short Introduction

I have recently enrolled in Ph.D from University of Karachi. I have done M.Phil. in molecular medicine and Pharm-D from University of Sindh, Jamshoro. I have numerous research publication in international journals. I have presented my work in different national and international conferences. I am very passionate to learn and teach the students advancement in science and technology.

Experience

Research Scholar at Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi.

International Regulatory Affairs Officer At Genix Pharma Pvt. Ltd, Korangi Creek, Karachi.

Trainee Officer at Pakistan Standard and Quality Control Authority, Ministry of Science and Technology, Government of Pakistan.

Internee at PNS Rahat Hospital, Pakistan Navy. Karsaz, Karachi.



Educational Information

Qualification	Major Subjects	Year of Completion	CGPA/ Percentage	Institution
M. Phil.	Molecular medicine	2022	3.7	Dr. Panjwani Center for Molecular Medicine & Drug Research, I.C.C.B.S., University of Karachi
Pharm-D	Pharmacy	2017	3.84	Faculty Of Pharmacy, University of Sindh.
Intermediate	Pre-medical	2012	78.8%	G.G.H.S., Mehrabpur, Sindh.
Matriculation	Pre-medical	2009	77.9%	Pakistan Education Center, Doha, Qatar.

Achievements, Research/Publications

PUBLICATION(S):

1. *Benzophenone and coumarin derivatives as 3-CL Pro inhibitors: Targeting cytokine storm through in silico and in vitro approaches.* **Hira Noor Malik**, Almas Jabeen, Sajda Ashraf, Zaheer Ul Haq, Uzma Salar, and Khalid Mohammed Khan. *Journal of Molecular Structure* (2022): 133478. Elsevier.
2. *Interface inhibitory action on Interleukin-1 β using selected anti-inflammatory compounds to mitigate the depression: Sardar, M., Zia, K., Ashraf, S., **Hira Noor Malik**, Jabeen, A., Khan, K. M., & Ul-Haq, Z. A computational investigation. *Computational Biology and Chemistry* (2022)., 101, 107774. Elsevier.*



3. "Diclofenac prodrugs nanoparticles: An alternative and efficient treatment for rheumatoid arthritis?" Hussain, Saadat, Mujeeb Ur-Rehman, Aqsa Arif, Catherine Cailleau, Cynthia Gillet, Rudaba Saleem, **Hira Noor** et al. *International Journal of Pharmaceutics* 643 (2023): 123227

• **PATENT(S):**

1. A process for obtaining inhibitors of inflammatory cytokines from *Nyctanthus Aobor-tristis* Linn, Talea sana, **Hira Noor Malik**, Almas Jabeen, Sabira Begum and Bina Shaheen Siddique Patent application no. 307/2022, Patent filing date: 10/05/2022.
2. Iridoid glycoside acetates as anti-inflammatory agents by inhibiting IL-6 and NO, Bina Shaheen Siddique Talea sana, Almas Jabeen and **Hira Noor Malik**. Patent application no. 569/2022, Patent filing date: 31/08/2022.

ORAL AND POSTER PRESENTATIONS:

1. Oral Presenter in 13th INTERNATIONAL BIENNIAL CONFERENCE PAKISTAN SOCIETY FORMICR OBIOLOGY "Pandemics-Epidemics: Public Health Challenges for Microbiologists."
2. Poster presentation in Biological Science Research Symposium, Agha Khan University.
3. Oral presentation entitled, "Viral 3-CLPRO and cytokine release syndrome inhibition using coumarin derivatives through in silico & in vitro approaches" presented at 1st international pharmacy conference 2022 on global advancements in health care system, Iqra University Karachi.
4. Poster presentation on Role of Healthcare Professionals in increasing awareness on infectious diseases symposium at Hamdard University Karachi.

SHORT COURSES AND CERTIFICATIONS

1. "Laboratory Safety, and Security", April 07, 2021, International Center for Chemical and Biological Sciences, University of Karachi.



2. Attended 7th International Symposium-cum Training Course on Molecular Medicine and Drug Research (MMDR6)", University of Karachi, Karachi, November 6-9, 2017.
3. Participated in the "2nd International Conference on Endorsing Health Science Research" 14th-17th March 2014, AEIRC in (I.C.C.B.S.) University of Karachi-75270, Pakistan.
4. OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH) Workshop on "New Breeding Technologies for Food and Nutritional Security." Middle East Technical University, Ankara, Turkey.
5. On-line workshop on "Research Project Writing" 20th-21st October 2016 I.C.C.B.S. University of Karachi-75270, Pakistan
6. One-day's workshop entitled "Process and Perks of Commercializing Academic Research", International Center for Chemical and Biological Sciences, University of Karachi.
7. "Specie Specific Animal Use and Care Course"; International Center for Chemical and Biological Sciences, University of Karachi.
8. One-day international seminar-cum-training workshop on, "Halaal Food and Non-food sciences/ Management", organized by Industrial Analytical Center, International Center for Chemical and Biological Sciences, University of Karachi.
9. "Basic Cell Culture Training Course", organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi.
10. "Research Methodology Statistics and SPSS", International Center for Chemical and Biological Sciences, University of Karachi.
11. Online: Hybrid Course entitled, "Introduction to Artificial Intelligence", organized by SIREN, LEJ, University of Karachi.



12. “Techniques in neurosciences”, International Center for Chemical and Biological Sciences, University of Karachi.
13. “Precision Oncology”, organized by virtual education project Pakistan (VEPP), International Center for Chemical and Biological Sciences, University of Karachi.
14. “International Workshop on Fundamental Techniques in Viral Diseases Diagnostics”, organized by COMSTECH Secretariat, Islamabad.