



## Hina Inam

**Address:** Punjab, 31650, Pakistan

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**Date of birth:** 15/09/1999 **Nationality:** Pakistani

### ABOUT ME

I am looking for a Ph.D. opportunity in a reputable institution of higher learning to develop my professional growth in both teaching and research as well as improve my abilities to do contemporary research. I can actively contribute to advance research excellence for my potential research program with my current research skills and experiences.

### WORK EXPERIENCE

[ 01/02/2020 – Current ] **University Research Assistant**

**City:** Lahore

**Country:** Pakistan

**Main activities and responsibilities:**

1. I worked as a research assistant at the University of Management and Technology (UMT). I also worked as an author on a paper titled, Green Routing Fabrication of Copper oxide nanoparticles using Passiflora edulis extract for the estimation of Potentized antioxidant Potential and Photocatalytic degradation of Dye. This paper has been accepted in Agronomy (ISSN 2073-4395) on 21 September 2022.
2. I worked as a research assistant with Senior Research Scientist, Dr. Murtaza Saleem at Lahore University of Management Sciences (LUMS). I also work on a research paper titled, "First principle and experimental study of Zr1-xMgxO2 for thermoelectric and optoelectronic applications." (Which is under consideration)
3. I worked as a research assistant with Ms. Urooj Fatima, Dr. Sohail Nadeem, and Dr. Sammia Shahid, at the University of Management and Technology (UMT). I also work as an author in a research paper titled, "Nanotheranostic fabrication of Iron oxide for rapid photocatalytic degradation of organic dyes and antioxidant potential." (Which is under consideration)

[ 06/2020 – 2022 ] **Freelancer/Writing Assistant**

**Main activities and responsibilities:**

I am also working as a research assistant in different online platforms; Fiverr and Upwork. I got Seller 2 rank in Fiverr after 3 years research experience.

- Assisting clients with their research concerns and completing more than 150 tasks successfully
- Write research proposal, summaries, critical analysis of research articles
- Write scientific review articles using peer reviewed sources

[ 01/01/2019 – 01/01/2021 ] **Secondary School Teaching Assistant**

**City:** Lahore

**Country:** Pakistan

**Main activities and responsibilities:**

As a teaching assistant at Punjab Coaching Centre, Lahore, I provide various support services to school such as instructional and practical support. I help with the preparation of lesson materials needed in class and reinforce instructions with students in need of

extra attention. I also perform basic clerical duties, monitor the students' learning progress and behaviour and supervise the students.

[ 01/01/2014 – 01/09/2015 ] **Science Teacher**

**City:** Khanwala

**Country:** Pakistan

## EDUCATION AND TRAINING

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[ 12/02/2020 – 01/04/2022 ] **Master of Science (MS)**

**School of Science, Department of Chemistry, University of Management and Technology** <https://www.umt.edu.pk/>

**Address:** 54500, Lahore, Pakistan

**Field(s) of study:** Chemistry

**Final grade:** 3.69/04

**Thesis:** Green Synthesis of Iron Oxide NPs and its Biological Application

**Main subject / occupational skills covered:**

Courses: Nanotechnology, XRD, UV-Vis Spectroscopy, SEM, FTIR, Antioxidant potential and Photocatalytic activity of nanoparticles.

[ 09/2015 – 07/2019 ] **Bachelor of Science (Honors)**

**Division of Science and Technology, University of Education** <http://ue.edu.pk>

**Address:** 54500, Lahore, Pakistan

**Field(s) of study:** Chemistry

**Final grade:** 3.55/04

[ 2019 – 2020 ] **Bachelor of Education (B.Ed.)**

**Allama Iqbal Open University (AIOU)** <https://aiou.edu.pk>

**Address:** 04403, Islamabad, Pakistan

## HONOURS AND AWARDS

**Main subject / occupational skills covered:**

**Dean's Merit Award for securing a high CGPA in MS Chemistry.**

**Awarding Institution:** University of Management and Technology, Lahore

**Awarded a Merit Certificate for achieving Second Position in the poster competition between M.Sc. Chemistry Vs Bs (Hons) Chemistry, on the topic of green chemistry in Bs (hons).**

**Awarding Institution:** University of Education, Lahore

**Awarded a laptop by the Pakistani government as part of the Prime Minister Laptop Scheme after scoring 91.23% in Matric.**

**Awarded a laptop for getting into the top 5% of the class in Bs (Hons) Chemistry.**

**Awarding Institution:** University of Education, Lahore

**Selected for National Outreach Program (NOP) based on the results of different assessment (securing top grades 90%).**

**Awarding Institution:** Lahore University of Management Sciences (LUMS)

## RESEARCH INTERESTS

**Main subject / occupational skills covered:**

- Synthesis of metal oxide nanoparticles (NPs)
- Characterization (SEM, FTIR, XRD & UV-Vis spectroscopy techniques) of different compounds
- Synthesis of various NPs by plant extracts
- Study of different biological applications (photocatalytic and antioxidant activity) of metal oxide nanoparticles
- First principle and experimental study of  $Zr_{1-x}Mg_xO_2$  for thermoelectric and optoelectronic applications

## Conference and Seminars

**Main subject / occupational skills covered:**

**19<sup>th</sup> International and 31<sup>st</sup> National Chemistry Conference on Emerging Trends in Chemistry 2021, CCUMT** Held at Hakim Muhammad Saeed Seminar Hall University of Management and Technology, Pakistan

<https://www.umt.edu.pk/>

**Workshop on Using Patent Systems by Women Inventors World Intellectual Property Organization** Held at Saleem Asghar Ali Hall University of Management and Technology, Pakistan

<https://www.umt.edu.pk/>

**Hands-on Workshop for Reference Management Using EndNote** Held at Information Processing Center (IPC) University of Management and Technology, Pakistan

<https://www.umt.edu.pk/>

**Character Building Workshop** Held at Multipurpose Hall, University of Education, Lahore

<https://www.ue.edu.pk/>

## LANGUAGE SKILLS

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**Mother tongue(s):** Urdu

**Other language(s):**

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

## DIGITAL SKILLS

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### My Digital Skills

XRD crystallography | Excellent command over many image processing and technical software (e.g., ImageJ, essential FTIR) | Origin Pro: proficient at scientific data processing | Xpert High Score Plus | SEM-EDS | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google | Experience in video conferencing (Zoom, Skype) | Research assistant experience

### Communication Skills

Good listener and communicator | Excellent Verbal and Non-Verbal Communication |  
■ Public speaking skills gained through presentations at conferences & seminars

### Managerial Skills

Team-work oriented | Good presentation and Analytical skills Creativity

## RECOMMENDATIONS

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### Professor & Dean ORIC

**Name:** Dr. Sammia Shahid

**Phone number:** (+92) 3054440191

**Email:** [sammia.shahid@umt.edu.pk](mailto:sammia.shahid@umt.edu.pk)

School of Science, University of Management and Technology Lahore, Pakistan

### Associate Professor

**Name:** Dr. Sohail Nadeem

**Phone number:** (+92) 3214122764

**Email:** [sohail.nadeem@umt.edu.pk](mailto:sohail.nadeem@umt.edu.pk)

School of Science, University of Management and Technology Lahore, Pakistan