

# Muhammad Mazhar

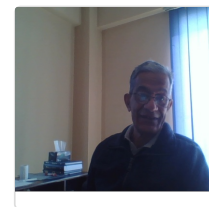
Consultant

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## About

Dr. Muhammad Mazhar is working as Consultant in the School of Natural Sciences. Dr. Muhammad Mazhar has a PhD in Inorganic Chemistry. Dr. Muhammad Mazhar has published 12 research articles & conference papers having a citation count of 146, carried out 1 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Inorganic Chemistry</b> Eötvös Lorand University , Hungary	1973 - 1978
<b>MSc in Inorganic Chemistry</b> University of the Punjab , Pakistan	1971 - 1973
<b>BSc in Chemistry</b> University of the Punjab , Pakistan	1968 - 1971

## Experience

<b>Consultant</b> School of Natural Sciences	2022- Present
<b>Consultant</b> School of Natural Sciences	2019 - 2022
<b>Distinguished National Prof</b> NUST and FJWU , NUST and FJWU	2017 - 2019
<b>Professor on Contract</b> University of Malaya, Kuala Lumpur , University of Malaya, Kuala Lumpur, Malaysia	2010 - 2017
<b>Distinguished Professor</b> Quaid-i-Azam University , Quaid-i-Azam University	2008 - 2009
<b>Professor</b> Quaid-i-Azam University , Quaid-i-Azam University	1999 - 2008
<b>Associate Professor</b> Quaid-i-Azam University , Quaid-i-Azam University	1991 - 1999
<b>Lecturer/Assistant Professor</b> Quaid-i-Azam University , Quaid-i-Azam University	1978 - 1991
<b>Demonstrator/Lecturer</b> Punjab University , Punjab University	1973 - 1975

## Research Projects

### National Projects

<b>Synthesis and characterization of metal decorated high surface area porous sodiualuminosilicate and aluminotitanates for environmental control and energy security</b> <b>Funding Agency:</b> Higher Education Commission Pakistan <b>Amount:</b> PKR 8,330,985.00 <b>Status:</b> Completed	2020
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### International Projects

- Synthesis and assessment of Au-doped Sb<sub>2</sub>Te<sub>3</sub> microstructures for magnetic and thermoelectric properties** 2025  
*Nitasha Komal Muhammad Adil Mansoor Manzar Sohail Ghayoor Abbas Chotana Muhammad Anis-ur-Rehman Muhammad Mazhar Physica B : Condensed Matter*, Volume 699, Article Number 416863  
**Impact Factor:** 2.800 | **Quartile:** 2  
**DOI:** <https://doi.org/10.1016/j.physb.2024.416863>
- Effect of (Sm, In) Doping on the Electrical and Thermal Properties of Sb<sub>2</sub>Te<sub>3</sub> Microstructures** 2023  
*Nitasha Komal Muhammad Adil Mansoor Muhammad Mazhar Manzar Sohail Zahida Malik Muhammad Anis-ur-Rehman ACS Omega*, Volume 8, Issue 11, Pages 9797-9806  
**Impact Factor:** 4.132 | **Quartile:** 2 | **Citations:** 12  
**DOI:** [10.1021/acsomega.2c05859](https://doi.org/10.1021/acsomega.2c05859)
- Facile preparation of porous Cu, Ni, and Cu–Ni alloy as electrodes for supercapacitor application** 2023  
*Nitasha Komal Ghulam Ali Manzar Sohail Muhammad Mazhar Zahida Malik M. Hamid Sarwar Watoo Materials Chemistry and Physics*, Volume 295, Article Number 127060  
**Impact Factor:** 4.6 | **Quartile:** 2 | **Citations:** 9  
**DOI:** <https://doi.org/10.1016/j.matchemphys.2022.127060>
- Effect of substrate temperature on structural, optical, and photoelectrochemical properties of Ti<sub>2</sub>S thin films fabricated using AACVD technique** 2022  
*Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Adil Mansoor Muhammad Mazhar Main Group Metal Chemistry*, Volume 45, Pages 178-189  
**Impact Factor:** 1.917 | **Quartile:** 3 | **Citations:** 3  
**DOI:** <https://doi.org/10.1515/mgmc-2022-0017>
- Development of Yttrium and Iron Oxide Thin Films via AACVD Method for Photooxidation of Water** 2022  
*Rafia Bintay Yousaf Shahzad Abu bakar Muhammad Mazhar Muhammad Adil Mansoor Mudassir Iqbal Russian Journal of Applied Chemistry*, Volume 95, Issue 1, Pages 37-45  
**Impact Factor:** 0.850 | **Quartile:** 4 | **Citations:** 4  
**DOI:** [10.1134/S1070427222010050](https://doi.org/10.1134/S1070427222010050)
- Single source precursor derived ZnO–PbO composite thin films for enhanced photocatalytic activity** 2022  
*Maria Batool Rohama Gill Khadija Munawar Vickie McKee Muhammad Mazhar Journal of Solid State Chemistry*, Volume 305, Article Number 122642  
**Impact Factor:** 3.498 | **Quartile:** 2 | **Citations:** 11  
**DOI:** <https://doi.org/10.1016/j.jssc.2021.122642>
- Phyto-inspired Cu/Bi oxide-based nanocomposites: synthesis, characterization, and energy relevant investigation** 2021  
*Sundus Azhar Khuram Shahzad Ahmad Isaac Abrahams Wang Lin Ram K. Gupta Muhammad Mazhar Daoud Ali RSC Advances*, Volume 11, 30510-30519  
**Impact Factor:** 4.036 | **Quartile:** 2 | **Citations:** 22  
**DOI:** [DOI: 10.1039/d1ra05066d](https://doi.org/10.1039/d1ra05066d)
- Fabrication of robust poly L-lactic acid/cyclic olefinic copolymer (PLLA/COC) blends: study of physical properties, structure, and cytocompatibility for bone tissue engineering** 2021  
*Farzana Nazir Mudassir Iqbal Ahmad Nawaz Khan Muhammad Mazhar Zakir Hussain Journal of Materials Research and Technology*, Volume 13, Pages 1732-1751  
**Impact Factor:** 6.267 | **Quartile:** 1 | **Citations:** 30  
**DOI:** <https://doi.org/10.1016/j.jmrt.2021.05.073>
- Fabrication, characterization, and photocatalytic performance of ternary cadmium chalcogenides CdIn<sub>2</sub>S<sub>4</sub> and Cd<sub>7</sub>.23Zn<sub>2</sub>.77S<sub>10</sub>-ZnS thin films** 2021  
*Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Adil Mansoor Muhammad Mazhar Fayaz Hussain Main Group Metal Chemistry*, Volume 44, No. 1, Pages 39-50  
**Impact Factor:** 1.917 | **Quartile:** 3 | **Citations:** 6  
**DOI:** <https://doi.org/10.1515/mgmc-2021-0008>
- Fabrication of Ag–ZnO composite thin films for plasmonic enhanced water splitting** 2020  
*Khadija Munawar Muhammad Adil Mansoor Marilyn M. Olmstead Tuan Zaharinie Mohd Nashrul Mohamad Hanifa Wan Jeffrey Basirun Muhammad Mazhar Materials Chemistry and Physics*, Volume 255, Article Number 123220  
**Impact Factor:** 4.094 | **Quartile:** 2 | **Citations:** 36

DOI: <https://doi.org/10.1016/j.matchemphys.2020.123220>

**Optical and photocatalytic properties of biomimetic cauliflowered  $\text{Ca}_2\text{Mn}_3\text{O}_8$ – $\text{CaO}$  composite thin films**

2020

*Khadija Munawar Muhammad Adil Mansoor Vickie Mckee Tuan Zaharinie Mohd Nashrul Zarina Aspanut Farazila Yusof Muhammad Mazhar*  
*Journal of Solid State Chemistry*, Volume 290, Article Number 121552

**Impact Factor:** 3.498 | **Quartile:** 2 | **Citations:** 8

DOI: <https://doi.org/10.1016/j.jssc.2020.121552>

**Synthesis, characterization and computational study of an ilmenite-structured  $\text{Ni}_3\text{Mn}_3\text{Ti}_6\text{O}_{18}$  thin film photoanode for solar water splitting†**

2019

*Khadija Munawar Fouzia Perveen Muhammad Mehmood Shahid Wan Jeffrey Basirun Misni Bin Misran Muhammad Mazhar*  
*New Journal of Chemistry*, Volume 43, Issue 28, Pages 11113-11124

**Impact Factor:** 3.288 | **Quartile:** 2 | **Citations:** 5

DOI: 10.1039/c9nj00457b