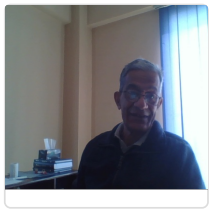
Muhammad Mazhar



Consultant

School of Natural Sciences

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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

PhD in Inorganic Chemistry 1973 - 1978
Eötvös Lorand University , Hungary

MSc in Inorganic Chemistry 1971 - 1973
University of the Punjab , Pakistan

BSc in Chemistry 1968 - 1971
University of the Punjab , Pakistan

Experience

Consultant 2022- Present
School of Natural Sciences

Consultant 2019 - 2022
School of Natural Sciences

Distinguished National Prof 2017 - 2019
NUST and FJWU , NUST and FJWU

Professor on Contract 2010 - 2017
University of Malaya, Kuala Lumpur , University of Malaya, Kuala Lumpur, Malaysia

Distinguished Professor 2008 - 2009
Quaid-i-Azam University , Quaid-i-Azam University

Professor 1999 - 2008
Quaid-i-Azam University , Quaid-i-Azam University

Associate Professor 1991 - 1999
Quaid-i-Azam University , Quaid-i-Azam University

Lecturer/Assistant Professor 1978 - 1991
Quaid-i-Azam University , Quaid-i-Azam University

Demonstrator/Lecturer 1973 - 1975
Punjab University , Punjab University

Research Projects

National Projects

Synthesis and characterization of metal decorated high surface area porous sodiumaluminosilicate and aluminotitanates for environmental control and energy security 2020
Funding Agency: Higher Education Commission Pakistan
Amount: PKR 8,330,985.00
Status: Completed

International Projects

Research Articles

Synthesis and assessment of Au-doped Sb2Te3 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 Sb2Te3 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

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 Tl2S 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

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

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 CdIn2S4 and Cd7.23Zn2.77S10-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 Jefrey 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 Ca2Mn3O8–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 Ni3Mn3Ti6O18 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