

Mudassir Iqbal

Professor

School of Natural Sciences

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About

Dr. Mudassir Iqbal is working as Professor in the School of Natural Sciences. Dr. Mudassir Iqbal has a PhD in Organic Chemistry. Dr. Mudassir Iqbal has published 157 research articles & conference papers having a citation count of 3227, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Organic Chemistry University of Twente , Netherlands	2009 - 2012
MPhil in Organic Chemistry University of Sargodha , Pakistan	2006 - 2008
MSc in Organic Chemistry University of Sargodha , Pakistan	2003 - 2005
B.Ed in Education Allama Iqbal Open University , Pakistan	2002 - 2004
BSc in Botany, Zoology & Chemistry University of the Punjab , Pakistan	1999 - 2001
F.Sc in Pre Medical BISE, Sargodha , Pakistan	1996 - 1998
Matric (SSC) in Science BISE, Sargodha , Pakistan	1994 - 1996

Experience

Professor School of Natural Sciences	2022- Present
Associate Professor School of Natural Sciences	2020 - 2022
Associate Professor School of Natural Sciences	2018 - 2020
Associate Professor School of Natural Sciences	2017 - 2018
Assistant Professor School of Natural Sciences	2014 - 2017
Assistant Professor University of Sargodha , University Road Sargodha	2012 - 2014

Awards

best researcher award	2020
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Research Projects

National Projects

Technology development for efficient waste management and environment preservation	2024
Funding Agency: National University of Sciences and Technology	
Amount: PKR 1,000,000.00	
Status: Approved_inprocess	
Fabrication of B4C and SiC Based Ceramic Tiles for Ballistic Protection	2021
Funding Agency: NESCOM	
Amount: PKR 500,000.00	
Status: Approved_inprocess	
Development of novel hydrogels modified with bio-ionic liquids for tissue engineering applications	2021
Funding Agency: HEC	
Amount: PKR 19,830,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

Tailoring hydrodynamic size and stability of TiO2–SiO2 nanoparticles for enhanced electrochemical performance of supercapacitors	2026
Saneela Lotfi Ben Tahar Mudassir Iqbal Muhammad Imran Malik Ahson Jabbar Shaikh Hamza Khan	
Materials Chemistry and Physics , Volume:347, Article Number 131423	
Impact Factor: 4.700 Quartile: 2	
DOI: https://doi.org/10.1016/j.matchemphys.2025.131423	
MnFe2O4 thin film electrodes via AACVD: A facile route for enhanced oxygen evolution reaction	2025
Alishbah Zaka Misha Aftab Nudrat fatima Khola Mashood Arshid Numan Muhammad Sheraz Ahmad Ali Haider Mudassir Iqbal Waqas Ali Shah Muhammad	
Adil Mansoor Muhammad Adeel Asghar	
Fuel , Volume 395, Article Number 135179	
Impact Factor: 7.5 Quartile: 1	
DOI: https://doi.org/10.1016/j.fuel.2025.135179	
Development and characterization of glutaryl thiourea crosslinked novel hydrogel; a detailed analysis of biocompatibility, angiogenesis, and antibacterial potential	2025
Shanza Khan Muhammad Haseeb Nawaz Muhammad Atiq Ur Rehman Muhammad Arfan Mudassir Iqbal Sadia Mehmood	
Reactive and Functional Polymers , Volume 214, Article Number 106313	
Impact Factor: 4.500 Quartile: 1	
DOI: https://doi.org/10.1016/j.reactfunctpolym.2025.106313	
Bi2Te3 anchored on d-Ti3CNTx nanosheets as an anode material for lithium-ion batteries	2025
Saba Ahmad Abiram Krishnan Iffat Ashraf Faisal M. Alamgir Mudassir Iqbal	
Journal of Alloys and Compounds, Volume:1038, Article Number 182758	
Impact Factor: 6.300 Quartile: 1	
DOI: https://doi.org/10.1016/j.jallcom.2025.182758	
A Convergence of Synthesis and Antimicrobial Research: Imidazolium based Dicationic Ionic Liquids	2025
Hira Akram Bushra Arshad Minahil Imtiaz Waqas Ahmed Muhammad Shafiq Zaheer Ul-Haq Rawaiz Khan Ali Bahadar Bashir Ahmad Mudassir Iqbal	
BMC Chemistry , Volume 19, article number 220	
Impact Factor: 4.600 Quartile: 2	
DOI: 10.1186/s13065-025-01574-3	
Synthesis of d-Ti3N MXene for potassium ion symmetric coin cell super capacitors	2025
Iffat Ashraf Muhammad waseem Yaseen Davoud Dastan Saba Ahmad Zhicheng Shi Mohammad-Reza Zamani-Meymian Mudassir Iqbal	
Materials Science and Engineering: B, Volume:317, Article Number:118176	
Impact Factor: 3.9 Quartile: 2 Citations: 3	
DOI: https://doi.org/10.1016/j.mseb.2025.118176	
Facile synthesis and electrochemical study of NiO-Cr2O3/carbon nanotubes/polyaniline hybrid as a high-performance supercapattery electrode material	2025
Anna Khalid Azhar Mahmood Arshid Numan Mohammad Khalid Mudassir Iqbal Muhammad Adil Mansoor	
Journal of Alloys and Compounds, Volume 1031, Article Number 181009	

Impact Factor: 5.800 Quartile: 1 DOI: https://doi.org/10.1016/j.jallcom.2025.181009	
Bis-imidazolium ionic liquid and silver nanoparticles mediated synthesis of alginate hydrogels for bacterial skin infection and wound healing applications <i>Minahil Imtiaz Hira Akram Bushra Arshad Adeeb Shahzad Sajjad Haider Kamran Alam Salah uddin khan Muhammad Adil Mansoor Mudassir Iqbal</i> <i>International Journal of Biological Macromolecules</i>, Volume: 306, Part 3, Article Number: 141420 Impact Factor: 7.7 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.ijbiomac.2025.141420	2025
Electrochemical performance of Ag nanoparticles-integrated surface-terminated V2CTx MXene for enhanced energy storage <i>Alishbah Zaka Muhammad Adil Mansoor Abdul Karim Sajjad Haider Kamran Alam Mudassir Iqbal</i> <i>Journal of Alloys and Compounds</i>, Volume: 1022, Article Number: 180025 Impact Factor: 5.8 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.jallcom.2025.180025	2025
Unveiling the Potential of Protein-Based Sustainable Antibacterial Materials <i>Iqra Ghouri Muslum Demir Shahid Ali Khan Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Probiotics and Antimicrobial Proteins</i>, Volume:17, Pages:737-762 Impact Factor: 4.400 Quartile: 1 DOI: https://doi.org/10.1007/s12602-024-10381-6	2025
MoS2 Nanoflowers Impregnated Functionally Modified Amino Cellulose Nanocomposites: An Innovative Approach for Anticancer Therapeutics <i>Areesha Khan Sajjad Haider Kamran Alam Muhammad Adil Mansoor Mudassir Iqbal Farzana Nazir</i> <i>BioNanoScience</i>, Volume:15, Article Number 137, Pages:16 Impact Factor: 3.000 Quartile: 3 DOI: https://doi.org/10.1007/s12668-024-01758-6	2024
Synthesis of multifunctional di-cationic ionic liquids: Unveiling antibacterial activity across diverse strains <i>Ayesha Kanwal Amina Arshad Bushra Younas Muslum Demir Sajjad Haider Muhammad Shafiq Zaheer Ul-Haq Kamran Alam Mudassir Iqbal</i> <i>AIP Advances</i>, Volume:14, Issue:12, Article Number 125305 Impact Factor: 1.400 Quartile: 4 Citations: 1 DOI: https://doi.org/10.1063/5.0224274	2024
Novel ZnSe@d-Ti3CNTx nanocomposite as efficient bifunctional electrocatalyst for water splitting system <i>Maryam Bibi Muhammad Asad Asghar Saba Ahmad Syeda Mahnoor Zehra Sajjad Haider Kamran Alam Yongbo Kuang Muhammad Adil Mansoor Fawad Ahmad Mudassir Iqbal</i> <i>Materials Science in Semiconductor Processing</i>, Volume 184, Article Number 108822 Impact Factor: 4.200 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.mssp.2024.108822	2024
Imidazolium, pyridinium and pyrazinium based ionic liquids with octyl side chains as potential antibacterial agents against multidrug resistant uropathogenic E. coli <i>Sidrah Hafeez Zamar rasool Awan Samia Hafeez Rehan Zafar Paracha Mudassir Iqbal Dilawar Khan Fazal Adnan</i> <i>Heliyon</i>, Volume 10, Issue 22, Article Number e39829 Impact Factor: 3.400 Quartile: 1 Citations: 2 DOI: 10.1016/j.heliyon.2024.e39829	2024
Enhanced Electrocatalytic Performance of Novel d-Ti3CN@CdSe Nanocomposite for Efficient Water Splitting: Achieving Low Overpotential and High Stability <i>Maryam Bibi Muhammad asad Asghar Saba Ahmad Sajjad Haider Kamran Alam Shahid Ali Khan Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Journal of the Electrochemical Society</i>, Volume: 171, Number: 10, Article Number: 106505 Impact Factor: 3.1 Quartile: 2 Citations: 1 DOI: 10.1149/1945-7111/ad88ac	2024
Hydrothermal approach for the synthesis of FeSe2/Ti3CNTx and its applications towards water splitting and energy storage <i>Saba Ahmad Iffat Ashraf Sajjad Haider Kamran Alam Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Diamond and Related Materials</i>, Volume 148, Article Number 111536 Impact Factor: 4.300 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.diamond.2024.111536	2024

Fabrication of Ti3CN @ ZnSe nanocomposite for enhanced supercapacitor performance <i>Muhammad Asad Asghar Muhammad Waseem Yaseen Amina Arshad Saba Ahmad Iffat Ashraf Muhammad Adil Mansoor Mudassir Iqbal Surfaces and Interfaces</i> , Volume 51, Article Number 104743 Impact Factor: 5.700 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.surfin.2024.104743	2024
A step forward towards optimized iron–nickel bimetal oxide core–shell nanoparticles and their magnetic properties <i>Sadaf Ibrar Abdullah Husna Ashfaq Asad Muhammad khan Rafaqat Ali Khan Mudassir Iqbal Ahson Jabbar Shaikh Materialia</i> , Volume 36, Article Number: 102135 Impact Factor: 3.000 Quartile: 2 Citations: 5 DOI: 10.1016/j.mtl.2024.102135	2024
Single Source Precursor Synthesis of Lead Titanate (PbTiO3) for the Electrochemical Detection of Nitric Oxide (NO) <i>Alishbah Zaka Rimsha Liaqat Shahid Mehmood Ali Haider Mudassir Iqbal Muhammad Adil Mansoor Journal of the Electrochemical Society</i> , Volume: 171, Number: 5, Article No: 057518 Impact Factor: 3.9 Quartile: 2 Citations: 1 DOI: 10.1149/1945-7111/ad4e6e	2024
Synthesis, evaluation, and in silico studies of imidazolium and pyridinium-based ionic liquids with Diocetyl succinamic acid anion for enhanced antibacterial applications <i>Syeda Hadeesa Kazmi Amina Arshad Sidrah Hafeez Fazal Adnan Uzma Habib Ali Haider Muhammad Adil Mansoor Mudassir Iqbal Journal of Molecular Liquids</i> , Volume 401, Article Number 124714 Impact Factor: 6.00 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.molliq.2024.124714	2024
Ultrafiltration polyanionic poly (3-sulfopropyl methacrylate) membranes with enhanced antifouling and water flux <i>Raja Muhammad Asif Khan Habib Nasir Azhar Mahmood Mudassir Iqbal Hussnain A. Janjua Nasir Mahmood Ahmad Polymers Advanced Technologies</i> , Volume 35, Issue 3, Article Number e6350 Impact Factor: 3.100 Quartile: 2 Citations: 1 DOI: https://doi.org/10.1002/pat.6350	2024
The hydrothermal synthesis of d-Ti3CN/V2O5 hollow spheres for enhanced supercapacitors applications <i>Iffat Ashraf Muhammad Asad Asghar Saba Ahmad Davoud Dastan Mudassir Iqbal Diamond and Related Materials</i> , Volume 143, March 2024, 110881 Impact Factor: 4.1 Quartile: 2 Citations: 5 DOI: 10.1016/j.diamond.2024.110881	2024
Magnetically separable core-shell nanoparticles for simultaneous metal adsorption and dye degradation <i>Shanza Khan Waqar-Un Nisa Shahid Ali Khan Muhammad Adil Mansoor Sajjad Haider Salah Uddin Khan Xinhua Ouyang Mudassir Iqbal Optical Materials</i> , Volume 149, March 2024, 115017 Impact Factor: 3.8 Quartile: 2 Citations: 2 DOI: 10.1016/j.optmat.2024.115017	2024
Plant-mediated synthesis of thermally stable metal-polystyrene nanocomposites for antioxidant and antibacterial food packaging <i>Muhammad Waseem Yaseen Muhammad Asad Asghar Esraa M. Bakhsh Kalsoom Akhtar Sher Bahadar Khan Mudassir Iqbal Industrial Crops and Products</i> , Volume 209, Article Number 117959 Impact Factor: 5.9 Quartile: 1 Citations: 6 DOI: https://doi.org/10.1016/j.indcrop.2023.117959	2024
An integrated experimental and theoretical approach to probe Cr(VI) uptake using decorated halloysite nanotubes for efficient water treatment <i>Syed Nadeem Ahmad Shah Sonia Zulfiqar Fernando Ruipérez Muhammad Rafique Mudassir Iqbal Michael J. Forrester Muhammad Ilyas Sarwar Eric W. Cochran RSC Advances</i> , Volume 14, Pages 2947-2960 Impact Factor: 3.9 Quartile: 2 Citations: 4 DOI: 10.1039/d3ra07675j	2024
Synthesis of oxidized carboxymethyl cellulose-chitosan and its composite films with SiC and SiC@SiO2 nanoparticles for methylene blue dye adsorption	2024

Impact Factor: 7.7 | **Quartile:** 1 | **Citations:** 13

DOI: 10.1016/j.ijbiomac.2023.128363

Evaluating the association of missense mutations in cyclin E1 and MYC genes with breast cancer using computational analysis

2023

Ayesha Aftab Bashir Ahmad Ghulam Ali Mallah Hafiz Muhammad Jafar Hussain Aamna Dilshad Muhammad Ajmal Mudassir Iqbal
Human Gene, Volume 38, Article Number 201231

Impact Factor: 0.500 | **Quartile:** 4

DOI: <https://doi.org/10.1016/j.humgen.2023.201231>

V2C MXene-TiO2 nanocomposite as an efficient electrode material for oxygen evolution reaction (OER)

2023

Alishbah Zaka Muhammad Adil Mansoor Muhammad Adeel Asghar Ali Haider Mudassir Iqbal
International Journal of Hydrogen Energy, Volume 48, Issue 89

Impact Factor: 7.2 | **Quartile:** 1 | **Citations:** 40

DOI: 10.1016/j.ijhydene.2023.05.230

In-situ formation of Azo dye capped-silver nanoparticles and their nanocomposite with reduced graphene oxide for dye degradation

2023

Iram Noreen Awab Hashmi Yasir Iqbal Fouzia Perveen Malik Mudassir Iqbal Faheem Amin
Materials Chemistry and Physics, Volume:308, Article Number: 128299

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 8

DOI: 10.1016/j.matchemphys.2023.128299

Fabrication of a nickel sulfide/nickel oxide heterostructure for efficient electrochemical oxidation of methanol

2023

Faria Sheikh Aleena Arshad Fareeha Marriam Zubair Ahmad Ali Haider Mudassir Iqbal Muhammad Adil Mansoor
New Journal of Chemistry, Volume 47, Issue 38, Pages 17970-17983

Impact Factor: 3.3 | **Quartile:** 2 | **Citations:** 7

DOI: DOI: 10.1039/d3nj02855k

Surfactant-assisted synthesis of nickel sulfide as bi-functional catalyst for water splitting application

2023

Saba Ahmad Iffat Ashraf Muhammad Asad Asghar Maryam Bibi Mudassir Iqbal
Inorganic Chemistry Communications, Volume 156, Article Number: 111142

Impact Factor: 3.8 | **Quartile:** 1 | **Citations:** 12

DOI: 10.1016/j.inoche.2023.111142

Ni-doped CeO2 decorated delaminated layered titanium carbonitride (d-Ti3CN) MXene for potential applications in symmetric supercapacitors

2023

Iffat Ashraf Saba Ahmad Davoud Dastan Mudassir Iqbal
Journal of Alloys and Compounds, Volume 952, Article Number 170043

Impact Factor: 6.371 | **Quartile:** 1 | **Citations:** 25

DOI: <https://doi.org/10.1016/j.jallcom.2023.170043>

Gamma Radiolysis of Phenyl-Substituted TODGAs: Part II

2023

Christopher A. Zarzana Jack McAlpine Andreas Wilden Michelle Hupert Andrea Stärk Mudassir Iqbal Willem Verboom Aspen N. Vandevender Bruce J. Mincher Gary S. Groenewold Gary S. Groenewold
Solvent Extraction and Ion Exchange, Vol:41, Issue:05, Pages:582-605

Impact Factor: 2.0 | **Quartile:** 3 | **Citations:** 4

DOI: 10.1080/07366299.2023.2221290

Gamma Radiolysis of Phenyl-Substituted TODGAs: Part I

2023

Christopher A. Zarzana Jack McAlpine Andreas Wilden Michelle Hupert Andrea Stärk Mudassir Iqbal Willem Verboom Bruce J. Mincher Gary S. Groenewold Giuseppe Modolo
Solvent Extraction and Ion Exchange, Vol:41, Issue:5, Pages:564-581

Impact Factor: 2.0 | **Quartile:** 3 | **Citations:** 3

DOI: 10.1080/07366299.2023.2220765

Antifouling and Water Flux Enhancement in Polyethersulfone Ultrafiltration Membranes by Incorporating Water-Soluble Cationic Polymer of Poly [2-(Dimethyl amino) ethyl Methacrylate]

2023

Raja Muhammad Asif Khan Nasir Mahmood Ahmad Habib Nasir Azhar Mahmood Mudassir Iqbal Hussnain Ahmed Janjua
Polymers, Volume 15(13), Article Number 2868

Impact Factor: 5.0 | **Quartile:** 1 | **Citations:** 11

DOI: <https://doi.org/10.3390/polym15132868>

Probing the behavior and kinetic studies of amphiphilic acrylate copolymers with bovine serum albumin <i>Shehla Mushtaq Muhammad Asad Abbas Habib Nasir Azhar Mahmood Mudassir Iqbal Hussnain Ahmed Janjua Nasir Mahmood Ahmad</i> <i>Scientific Reports</i> , Volume: 13, Issue: 1, Article number: 4572 Impact Factor: 4.997 Quartile: 2 Citations: 6 DOI: 10.1038/s41598-023-27515-5	2023
Delaminated N-Ti3C2@Ni3S4 nanocomposites based high-performing supercapacitor device fabrication <i>Iffat Ashraf Saba Ahmad Davoud Dastan Chengzhai Wang Hamid Garmestani Mudassir Iqbal</i> <i>Electrochimica Acta</i> , Volume 442, Article Number 141899 Impact Factor: 7.336 Quartile: 1 Citations: 50 DOI: https://doi.org/10.1016/j.electacta.2023.141899	2023
Therapeutic potential and bioactive phenolics of locally grown Pakistani and Chinese varieties of ginger in relation to extraction solvents <i>Tahir Mahmood Zaira Fatima Farooq Anwar Fareeha Nadeem Ayesha Sultan Mudassir Iqbal Qudsia Tabassam Muhammad Mustaqeem Sahrish Khan</i> <i>Brazilian Journal of Pharmaceutical Sciences</i> , Volume 58, Article Number e20743 Impact Factor: 1.214 Quartile: 4 Citations: 2 DOI: https://doi.org/10.1590/s2175-97902022e20743	2022
Hydroxyapatite and Whitlockite Incorporated Cellulose Reinforced Poly-Caprolactone (PCL): Biomimetic Nanocomposites for Bone Tissue Engineering Applications <i>Laraib Abbas Farzana Nazir Asma Gulzar Laiba Maryam Asima Tayyeb Mudassir Iqbal</i> <i>Journal of Polymers and the Environment</i> , Vol:31, Pages 2093-2113 Impact Factor: 4.705 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1007/s10924-022-02717-6	2022
Piezoelectric MoS2 Nanoflowers (NF's) for Targeted Cancer Therapy by Gelatin-based Shear Thinning Hydrogels. In vitro and In vivo trials <i>Farzana Nazir Mudassir Iqbal</i> <i>Reactive and Functional Polymers</i> , Volume 181, Article Number 105435 Impact Factor: 4.966 Quartile: 1 Citations: 14 DOI: https://doi.org/10.1016/j.reactfunctpolym.2022.105435	2022
Polymers blended peanuts activated carbon composite hydrogels fabricated Ag NPs as dip-catalyst for industrial dyes discoloration in aqueous medium <i>Youssef O. Al-Ghamdi Ghufraan Saeed Mubarak Ali Kifayat Ali Kaleem Ullah Noureen Khan Mudassir Iqbal Abdullah Y.A. Alzahrani Shahid Ali Khan</i> <i>Industrial Crops and Products</i> , Volume 188, Part A, Article Number 115588 Impact Factor: 6.449 Quartile: 1 Citations: 9 DOI: 10.1016/j.indcrop.2022.115588	2022
Fabrication of ionic liquid based D-Ti3C2/MoO3 hybrid electrode system for efficient energy storage applications <i>Iffat Ashraf saba Ahmad Davoud Dastan Chengzhai Wang Hamid Garmestani Mudassir Iqbal</i> <i>Electrochimica Acta</i> , Volume 429, Article Number 141036 Impact Factor: 7.336 Quartile: 1 Citations: 28 DOI: https://doi.org/10.1016/j.electacta.2022.141036	2022
Synthesis, Characterization, Biological Evaluation, and In Silico Studies of Imidazolium-, Pyridinium-, and Ammonium-Based Ionic Liquids Containing n-Butyl Side Chains <i>Rabia Hassan Farzana Nazir Mah Roosh Arshemah Qaisar Uzma Habib Abdulrahim A. Sajini Mudassir Iqbal</i> <i>Molecules</i> , Volume 27(19), Article Number 6650 Impact Factor: 4.6 Quartile: 2 Citations: 10 DOI: https://doi.org/10.3390/molecules27196650	2022
2D Ti3C2@MoO3 composite as an efficient anode material for high-performance supercapacitors <i>Iffat Ashraf Saba Ahmad Muhammad Arslan Raza Ghulam Ali Syed Rizwan Mudassir Iqbal</i> <i>Materials Research Bulletin</i> , Volume 153, Article Number 111902 Impact Factor: 4.641 Quartile: 2 Citations: 28 DOI: https://doi.org/10.1016/j.materresbull.2022.111902	2022
Extraction of Pb (II) and Co (II) using N,N-diethylsuccinamate based room temperature ionic liquids containing aliphatic and aromatic cations <i>Nizakat Azra Farzana Nazir Mah Roosh Muhammad Awais Khalid Muhammad Adil Mansoor Sher Bahadar Khan Muddassir Iqbal</i>	2022

Impact Factor: 6.212 | Quartile: 2 | Citations: 7

DOI: <https://doi.org/10.1016/j.arabjc.2022.104099>

Investigation of Metronidazole–DNA Interactions by Using Electrochemical and Spectroscopic Techniques

2022

Bushra Rafique Ahmad M. Khalid Kalsoom Akhtar Mudassir Iqbal

Russian Journal of Electrochemistry, Volume 58, No.8, Pages 704-715

Impact Factor: 1.351 | Quartile: 4 | Citations: 2

DOI: DOI: 10.1134/S1023193522080109

Enhanced catalytic reduction/degradation of organic pollutants and antimicrobial activity with metallic nanoparticles immobilized on copolymer modified with NaY zeolite films

2022

Musarat Riaz Noureen Khan Shahid Ali Khan Saeeduddin Zubair Ahmad Mohsin Ali Khan Mudassir Iqbal Hassan A. Hemeg Esraa M. Bakhsh Sher Bahadar Khan

Journal of Molecular Liquids, Volume 359, Article Number 119246

Impact Factor: 6.0 | Quartile: 1 | Citations: 28

DOI: 10.1016/j.molliq.2022.119246

Hydrothermal synthesis and water splitting application of d-Ti3C2 MXene/V2O5 hybrid nanostructures as an efficient bifunctional catalyst

2022

Iffat Ashraf Saba Ahmad Farzana Nazir Davoud Dastan Zhicheng Shi Hamid Garmestani Muddassir Iqbal

International Journal of Hydrogen Energy, Vol.47, No.64, Pages 27383-27396

Impact Factor: 7.139 | Quartile: 2 | Citations: 66

DOI: <https://doi.org/10.1016/j.ijhydene.2022.06.095>

Synthesis, anticancer evaluation and molecular docking studies of methotrexate's novel Schiff base derivatives against malignant glioma cell lines

2022

Aifa Nemat Ishaq Naseeb Khan Saima Kalsoom Shoaib Ahmad Malik Shahid Ayub Fazal Adnan Muhammad Amjad Mudassir Iqbal

Journal of Biomolecular Structure and Dynamics, Volume 40, No. 7, Pages 2865-2877

Impact Factor: 5.235 | Quartile: 1 | Citations: 3

DOI: 10.1080/07391102.2020.1844053

Layer-By-Layer Self-Assembled Dip Coating for Antifouling Functionalized Finishing of Cotton Textile

2022

Sana Javaid Azhar Mahmood Habib Nasir Mudassir Iqbal Naveed Ahmed Nasir Mahmood Ahmad

Polymers, Volume 14, Issue 13, Article Number 2540

Impact Factor: 4.967 | Quartile: 1 | Citations: 16

DOI: doi.org/10.3390/POLYM14132540

A comparative evaluation of antibacterial activities of imidazolium-, pyridinium-, and phosphonium-based ionic liquids containing octyl side chains

2022

Rabia Hassan Muhammad Asad Asghar Mudassir Iqbal Arshemah Qaisar Uzma Habib Bashir Ahmad

Heliyon, Volume 8, Issue 5, Article Number e09533

Impact Factor: 3.776 | Quartile: 2 | Citations: 20

DOI: 10.1016/j.heliyon.2022.e09533

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

An Electrochemical Investigation of Methanol Oxidation on Thin Films of Nickel Oxide and Its Composites with Zirconium and Yttrium Oxides

2022

Karishma Mahmood Muhammad Adil Mansoor Mudassir Iqbal Abul Kalam Javed Iqbal Asim Jilani S. Wageh

Crystals, Volume 12(4), Article Number 534

Impact Factor: 2.589 | Quartile: 2 | Citations: 10

DOI: <https://doi.org/10.3390/cryst12040534>

“Like–Likes–Like” strategy for the design of electron transport materials and emitters with facilitated interlayer electron transport and improved efficiency

2022

Yibing Wu Rui Lin Muddassir Iqbal Xinhua Ouyang Yaocheng Jin Yanping Huo

Journal of Materials Chemistry C, Volume 10(8), Pages 3103-3113

Impact Factor: 7.393 | Quartile: 1 | Citations: 7

DOI: 10.1039/D1TC04850C

Synthesis, Characterization, Biological Evaluation and DNA Interaction Studies of 4-Aminophenol Derivatives: Theoretical and Experimental Approach <i>Bushra Rafique Saima Kalsoom Abdulrahim A. Sajini Hammad Ismail Muddassir Iqbal</i> <i>Molecules</i> , Volume 27(4), Article Number 1352 Impact Factor: 4.6 Quartile: 2 Citations: 16 DOI: https://doi.org/10.3390/molecules27041352	2022
Amphiphilic copolymers of dimethyl aminoethyl methacrylate and methyl methacrylate with controlled hydrophilicity for antialgal activity <i>Shehla Mushtaq Muhammad Asad Abbas Habib Nasir Azhar Mahmood Mudassir Iqbal Hussnain Ahmed Janjua Qamar Malik Nasir Mahmood Ahmad</i> <i>Journal of Applied Polymer Science</i> , Volume 139, Issue 5, Article Number 51578 Impact Factor: 3.0 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1002/app.51578	2022
Novel functionalized cellulose derivatives fabricated with Cu nanoparticles: synthesis, characterization and degradation of organic pollutants <i>Farzana Nazir Faiza Lughmani Shahid Ali Khan Muddassir Iqbal</i> <i>Cellulose</i> , Volume 29, Pages 1911-1928 Impact Factor: 5.044 Quartile: 1 Citations: 7 DOI: 10.1007/s10570-021-04388-3	2022
A comparative insight into the mechanical properties, antibacterial potential, and cytotoxicity profile of nano-hydroxyapatite and nano-whitlockite-incorporated poly-L-lactic acid for bone tissue engineering <i>Farzana Nazir Laraib Abbas Mudassir Iqbal</i> <i>Applied Nanoscience</i> , Volume 12, Pages 47-68 Impact Factor: 0 Citations: 7 DOI: https://doi.org/10.1007/s13204-021-02223-6	2022
Comparative Study of Antioxidant Activities of Selected Medicinal Plants of Shujabad Area in Multan, Pakistan <i>Salma Ghaffar Shazia Jabeen Tahir Mehmood Muhammad Qasim Hayat Mudassir Iqbal</i> <i>Free Radicals and Antioxidants</i> , Volume 11(2), Article Number 46-51 Impact Factor: N/A DOI: 10.5530/fra.2021.2.11	2021
Optimized extraction of Pb (II) and Co (II) with glycolamide mono and di-ionic liquids using response surface methodology <i>Tahir Mehmood Mudassir Iqbal</i> <i>Journal of Chemometric</i> , Volume 35, Issue 12, Article Number e3382 Impact Factor: 2.467 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1002/cem.3382	2021
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Arijit Sengupta Prasanta K. Mohapatra Ramakant M. Kadam Debashree Manna Tapan K. Ghanty Mudassir Iqbal Jurriaan Huskens Willem Verboom

RSC Advances, Volume 4, Issue 87, Pages 46613-46623

Impact Factor: 3.840 | **Quartile:** 1 | **Citations:** 46

DOI: 10.1039/c4ra05798h

A diglycolamide-functionalized task specific ionic liquid (TSIL) for actinide extraction: Solvent extraction, thermodynamics and radiolytic stability studies

2013

Arijit Sengupta Prasanta K. Mohapatra Muddassir Iqbal Jurriaan Huskens Willem Verboom

Separation and Purification Technology, Volume 118, Pages 264-270

Impact Factor: 3.065 | **Quartile:** 1 | **Citations:** 82

DOI: <http://dx.doi.org/10.1016/j.seppur.2013.07.005>

A comparative evaluation of the liquid-liquid extraction and pertraction efficiency of a both-side diglycolamide-functionalized calix[4]arene with analogous upper and lower-rim calixarenes for actinide separations

2013

Prasanta K. Mohapatra D.R. Raut Mudassir Iqbal Jurriaan Huskens Willem Verboom

Journal of Membrane Science, Volume 444, Pages 268-275

Impact Factor: 4.908 | **Quartile:** 1 | **Citations:** 9

DOI: <http://dx.doi.org/10.1016/j.memsci.2013.05.044>

Role of organic diluent on actinide ion extraction using a both-side diglycolamide-functionalised calix[4]arene

2013

Arijit Sengupta Prasanta K. Mohapatra Mudassir Iqbal Jurriaan Huskens Willem Verboom

Supramolecular Chemistry, Volume 25, Issue 9-11, Pages 688-695

Impact Factor: 2.132 | **Quartile:** 2 | **Citations:** 11

DOI: <http://dx.doi.org/10.1080/10610278.2013.833335>

Complexation of trivalent lanthanides and actinides with several novel diglycolamide-functionalized calix[4]arenes: Solvent extraction, luminescence and theoretical studies

2013

Dhaval R. Raut Prasanta K. Mohapatra Seraj A. Ansari Shrikant V. Godbole Mudassir Iqbal Debashree Manna Jurriaan Huskens Willem Verboom Tapan K. Ghanty

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Impact Factor: 3.708 | **Quartile:** 1 | **Citations:** 31

DOI: 10.1039/c3ra40241j

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2013

Prasanta K. Mohapatra Arijit Sengupta Muddassir Iqbal Jurriaan Huskens Shrikant V. Godbole Willem Verboom

Dalton Transactions, Volume 42, Issue 24, Page 8558-8562

Impact Factor: 4.097 | **Quartile:** 1 | **Citations:** 42

DOI: 10.1039/c3dt50557j

A novel CMPO-functionalized task specific ionic liquid: Synthesis, extraction and spectroscopic investigations of actinide and lanthanide complexes

2013

Prasanta K. Mohapatra Pankaj Kandwal Mudassir Iqbal Jurriaan Huskens Mallekav S. Murali Willem Verboom

Dalton Transactions, Volume 42, Issue 13, Pages 4343-4347

Impact Factor: 4.097 | **Quartile:** 1 | **Citations:** 102

DOI: 10.1039/c3dt32967d

Diglycolamide-functionalized calix[4]arenes showing unusual complexation of actinide ions in room temperature ionic liquids: Role of ligand structure, radiolytic stability, emission spectroscopy, and thermodynamic studies

2013

Prasanta K. Mohapatra Arijit Sengupta Mudassir Iqbal Jurriaan Huskens Willem Verboom
Inorganic Chemistry, Volume 52, Issue 5, Pages 2533-2541

Impact Factor: 4.794 | **Quartile:** 1 | **Citations:** 115

DOI: dx.doi.org/10.1021/ic302497k

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Impact Factor: 4.908 | **Quartile:** 1 | **Citations:** 17

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Prasanta K. Mohapatra Arijit Sengupta Mudassir Iqbal Jurriaan Huskens Willem Verboom
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Impact Factor: 5.696 | **Quartile:** 1 | **Citations:** 134

DOI: 10.1002/chem.201203321

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Xuemei Wang Mudassir Iqbal Jurriaan Huskens Willem Verboom
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DOI: 10.3390/ijms131216822

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2012

Mudassir Iqbal Prasanta K. Mohapatra Seraj A. Ansari Jurriaan Huskens Willem Verboom
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Impact Factor: 2.803 | **Quartile:** 2 | **Citations:** 87

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Mudassir Iqbal Richard G. Struijk Jurriaan Huskens Michal Sypula Andreas Wilden Giuseppe Modolo Willem Verboom
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Impact Factor: 2.966 | **Quartile:** 2 | **Citations:** 10

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2012

Arijit Sengupta Prasanta K. Mohapatra Mudassir Iqbal Willem Verboom Jurriaan Huskens S. V. Godbole
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Impact Factor: 2.562 | **Quartile:** 2 | **Citations:** 112

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2012

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Chemical Communications, Volume 48, Issue 78, Pages 9732-9734

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Conference Proceedings

Keynote speaker: MXENES as versatile materials for energy applications <i>Mudassir Iqbal</i> <i>4th International Conference 2024, Recent advances in interdisciplinary sciences, res.country(177,)</i> Citations: N/A DOI: Nil	2024
Keynote speaker: Exploring the potential MXENES for Energy Applications <i>Mudassir Iqbal</i> <i>3rd International Conference on Trends and Research in Chemistry (TRIC-2024) - Hybrid, res.country(177,)</i> Citations: N/A DOI: Nil	2024
Keynote speaker: Exploring the Potential of Novel Bioionic Liquids modified hydrogels in Biomedical Science <i>Mudassir Iqbal</i> <i>3th International Conference on Recent Trends in Natural Sciences 2024, res.country(177,)</i> Citations: N/A DOI: Nil	2024
Keynote speaker: Exploring the Potential of Novel Bioionic Liquids modified hydrogels in Biomedical Science <i>Mudassir Iqbal</i> <i>International Conference on innovations in biomaterials and Nanotechnology, res.country(177,)</i> Citations: N/A DOI: Keynote speaker	2024
Mxenes as Versatile Materials for Energy applications <i>Mudassir Iqbal</i> <i>1st International Conference Revamped Scientific , res.country(282,)</i> Citations: N/A DOI: key note speaker presentation	2022
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Book Chapters

Oxide-Based Nano-ceramic Materials for Hydrogen Evolution Reactions: Mechanisms, Electrochemical Parameters, Material Types, and Synthesis Methods <i>Muhammad Mohsin Khan Muhammad Adil Mansoor Mudassir Iqbal Ravi Kumar Sharma</i> <i>In: Advances in Sustainability Science and Technology, Chapter: 02, 1st Edition, Pages:37-69</i> Citations: N/A DOI: https://doi.org/10.1007/978-981-96-1570-4_3	2025
An overview of the mechanical behavior of hydrogels <i>Laiba Maryam Asma Gulzar Mudassir Iqbal</i> <i>In: Hydrogels: Antimicrobial Characteristics, Tissue Engineering, Drug Delivery Vehicle, Chapter 2, Pages 17-33</i> Citations: N/A DOI: https://doi.org/10.1515/9783111334080-002	2024

Editorial Activities

International Journal of Biological Macromolecules Reviewed Papers for Journals Impact Factor: 8.5	2025
Journal of Colloid and Interface Science Reviewed Papers for Journals Impact Factor: 9.7	2025
Journal of the Australian Ceramic Society Reviewed Papers for Journals Impact Factor: 2.1	2025
Analytica Chimica Acta Reviewed Papers for Journals Impact Factor: 6	2024
International Journal of Hydrogen Energy Reviewed Papers for Journals Impact Factor: 8.3	2024
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ACS Omega Reviewed Papers for Journals Impact Factor: 4.1	2024
ACS Omega Reviewed Papers for Journals Impact Factor: 4.1	2024
Electrochimica Acta Reviewed Papers for Journals Impact Factor: 6.6	2024