

Shahid Iqbal

Associate Professor

School of Natural Sciences

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About

Dr. Shahid Iqbal is working as Associate Professor in the School of Natural Sciences. Dr. Shahid Iqbal has a PhD in Physical Chemistry. Dr. Shahid Iqbal has published 144 research articles & conference papers having a citation count of 5086, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Physical Chemistry University of the Chinese Academy of Sciences , China	2013 - 2017
MPhil in Physical Chemistry Quaid-i-Azam University , Pakistan	2009 - 2011
MSc in Chemistry University of the Punjab , Pakistan	2006 - 2008
BSc in Chemistry University of the Punjab , Pakistan	2004 - 2006
F.Sc in Pre-Engineering Board of Intermediate and Secondary Education, Lahore , Pakistan	2002 - 2004
Matric (SSC) in Science Board of Intermediate and Secondary Education, Lahore , Pakistan	2000 - 2002

Experience

Associate Professor School of Natural Sciences	2023- Present
Associate Professor School of Natural Sciences	2022 - 2022
Assistant Professor School of Natural Sciences	2020 - 2022
Research Fellow Kumho Institute of Technology , Gumi, Gyeongbuk, South Korea	2019 - 2020
Postdoctoral Fellow Xi'an Jiaotong University (XJTU), China , No. 28, Xianning West Road, Beilin District, Xi'an Jiaotong University	2017 - 2019

Awards

Research Fund the Korean Research Fellowship Program through the National Research Foundation of Korea (NRF), Korea, funded by the Ministry of Science and ICT.	2019
Research Fund Research Fund for International Young Scientist awarded by National Natural Science Foundation of China.	2018
Research Fund Postdoctoral Science Foundation Grant awarded by China Postdoctoral organization.	2018

Research Projects

National Projects

Controlled Synthesis and Thickness-Dependent Properties of Few-layered MoS₂ and NbS₂ as Cocatalysts for Efficient Photocatalytic H₂ Evolution and CO₂ Conversion 2019
Funding Agency: National Natural Science Foundation of China
Amount: PKR 11,854,080.00
Status: Completed

Controlled Synthesis of Few-layered Transition Metal Dichalcogenides Nanostructures on CdS for Efficient Photocatalytic Generation of Renewable Fuels 2017
Funding Agency: China Postdoctoral Science Foundation Grant
Amount: PKR 1,481,760.00
Status: Completed

International Projects

Research Articles

A bismuth-based (III) hybrid perovskite as a highly air-stable, potential absorber with photoconductive response 2023
Asma Khan Hongli Wen Shahid Iqbal Mujaddad-ur Rehman Mazloom Shah Muhammad Raheel Farhan Ahmad Khan Rashid Khan Randa A. Althobiti Eman Alzahrani Abd-ElAzim Farouk Foziah F. Al-Fawzan Eslam B. Elkaeed
Optical Materials, Volume:143, Article Number 114228
Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 3
DOI: 10.1016/j.optmat.2023.114228

Nanotheranostic fabrication of iron oxide for rapid photocatalytic degradation of organic dyes and antifungal potential 2023
Hina Inam Urooj Fatima Sammia Shahid Sana Mansoor Amina Yasin Mohsin Javed Shahid Iqbal Ahmad Alhujaily Randa A. Althobiti Eman Alzahrani Abd-ElAzim Farouk Rasmiah S. Almufarj Eslam B. Elkaeed
Journal of Saudi Chemical Society, Volume 27, Issue 5, Article Number 101689
Impact Factor: 5.6 | **Quartile:** 2 | **Citations:** 19
DOI: 10.1016/j.jscs.2023.101689

Validation of a Cost-Effective RP-HPLC Method for Quantitative Investigation of Daclatasvir Dihydrochloride in Pharmaceutical Formulations 2023
Sadaf Sarfraz Muhammad Saeed Mohsin Javed Nadia Hussain Shahid Iqbal Shahid Amin Ali Bahadur Ahmed Hussain Jawhari Randa A. Althobiti Eman Alzahrani Abd-ElAzim Farouk Samar O. Aljazzar Eslam B. Elkaeed
Journal of Chemistry, Volume 2023, Article ID 4908091, 9 pages
Impact Factor: 3.0 | **Quartile:** 3 | **Citations:** 2
DOI: 10.1155/2023/4908091

Synthesis of novel biodegradable starch-PMA and Ag@starch-PMA polymer composite for boosting charge separation ability and superior photocatalytic performance 2023
Muhammad Amjad Ayesha Mohyuddin Mohsin Javed Shahid Iqbal Rabia Liaquat Mohammed T. Alotaibi Wajad Ulfat Randa A. Althobiti Eman Alzahrani Abd-ElAzim Farouk Murefah Mana Al-Anazy Eslam B. Elkaeed
Journal of Materials Science: Materials in Electronics, Volume 34, Issue 21, Article Number 1577
Impact Factor: 2.8 | **Quartile:** 2 | **Citations:** 6
DOI: 10.1007/s10854-023-10997-4

The Impact of Different Green Synthetic Routes on the Photocatalytic Potential of FeSnO₂ for the Removal of Methylene Blue and Crystal Violet Dyes under Natural Sunlight Exposure 2023
Arifa Shaukat Muhammad Akhyar Farrukh Kok-Keong Chong Rabia Nawaz Muhammad Tariq Qamar Shahid Iqbal Nasser S. Awwad Hala A. Ibrahim
Catalysts, Volume 13, Issue 7, Article Number 1135
Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 9
DOI: 10.3390/catal13071135

Synthesis, molecular docking and ADMET studies of bis-benzimidazole-based thiadiazole derivatives as potent inhibitors, in vitro α -amylase and α -glucosidase 2023
Shoaib Khan Shahid Iqbal Wajid Rehman Nadia Hussain Razaqat Hussain Mazloom Shah Farhan Ali Ahmed M. Fouda Yousaf Khan Ayed A. Dera Mohammed Issa Alahmdi Ali Bahadur Hanan A. Al-ghulikah Eslam B. Elkaeed
Arabian Journal of Chemistry, Volume 16, Issue 7, Article Number 104847
Impact Factor: 6.212 | **Quartile:** 2 | **Citations:** 52

Fabrication of Molecularly Imprinted Polymer Films Based on Graphene Oxide and Carbon Nanotubes for Nitrogenous Compound Sensing in Fuel Chemicals

2023

Aoun Raza M. Fazal Ur Rehman Mohsin Javed Manzar Zahra Shahid Iqbal Waseem Shoukat Yosef Jazaa Iqra Qayyum Murefah Mana Al-Anazy Eslam B. Elkaeed Randa A. Althobiti Eman Alzahrani Abd-ElAziem Farouk
JOM, Pages 1-10

Impact Factor: 2.6 | **Quartile:** 2 | **Citations:** 1**DOI:** 10.1007/s11837-023-05898-0**Construction of Te-ZnO@S-g-C₃N₄ Heterojunction Nanocomposites for the Efficient Removal of Methylene Blue, Antifungal Activity, and Adsorption of Cr(VI) Ion**

2023

Komal Aroosh Mohsin Javed Nadia Hussain Ahmad Alhujaily Shahid Iqbal Mohammed T. Alotaibi Muhammad Faizan Muhammad Shuaib Khan Ali Bahadur Muhammad Abdul Qayyum Nasser S. Awwad Yosef Jazaa Foziah F. Al-Fawzan Eslam B. Elkaeed
Adsorption Science and Technology, Volume 2023, Article ID 6736182, 15 pages

Impact Factor: 2.9 | **Quartile:** 3 | **Citations:** 16**DOI:** 10.1155/2023/6736182**Isotherm and kinetic studies for the adsorption of methylene blue onto a novel Mn₃O₄-Bi₂O₃ composite and their antifungal performance**

2023

Sameerah I. Al-Saeedi Asfa Areej Muhammad Tariq Qamar Ahmad Alhujaily Shahid Iqbal Mohammed T. Alotaibi Muhammad Aslam Muhammad Abdul Qayyum Ali Bahadur Nasser S. Awwad Yosef Jazaa Eslam B. Elkaeed
Frontiers in Environmental Science, Volume 11, Article Number 1156475

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 22**DOI:** 10.3389/fenvs.2023.1156475**Synthesis, in vitro biological assessment, and molecular docking study of benzimidazole-based thiadiazole derivatives as dual inhibitors of α -amylase and α -glucosidase**

2023

Shoaib Khan Shahid Iqbal Muhammad Taha Rafaqat Hussain Fazal Rahim Mazloom Shah Nasser S. Awwad Hala A. Ibrahim Mohammed Issa Alahmdi Ayed A. Dera Hayat Ullah Ali Bahadur Samar O. Aljazzar Eslam B. Elkaeed Muhammad Rauf
Frontiers in Chemistry, Volume 11, Article Number 1125915

Impact Factor: 5.5 | **Quartile:** 2 | **Citations:** 27**DOI:** 10.3389/fchem.2023.1125915**A highly explicit electrochemical biosensor for catechol detection in real samples based on copper-polypyrrole**

2023

Qasar Saleem Sammia Shahid Abdur Rahim Majed A. Bajaber Sana Mansoor Mohsin Javed Shahid Iqbal Ali Bahadur Samar O. Aljazzar Rami Adel Pashameah Samah A. AlSubhi Eman Alzahrani Abd-ElAziem Farouk
RSC Advances, Volume 13, Issue 20, Pages 13443-13455

Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 8**DOI:** 10.1039/d2ra07847c**Biosynthesis of Silver Nanoparticles Using Kitchen Vegetable Waste Extract for Application against Poultry Pathogens, Antimicrobial Activity, and Photocatalytic Dye Degradation**

2023

Muhammad Amjad Ayesha Mohyuddin Mohsin Javed Ahmad Alhujaily Shahid Iqbal Rasmiah S. Almufarj Wajad Ulfat Mohammed T. Alotaibi Sohail Nadeem Ali Bahadur Eslam B. Elkaeed Abrar ul Hassan
Journal of Chemistry, Volume 2023, Article ID 6699622, 10 pages

Impact Factor: 3.241 | **Quartile:** 3 | **Citations:** 11**DOI:** 10.1155/2023/6699622**Transition metal doped CeO₂ for photocatalytic removal of 2- chlorophenol in the exposure of indoor white light and antifungal activity**

2023

M. Tariq Qamar Shahid Iqbal M. Aslam Ahmad Alhujaily Anum Bilal Komal Rizwan Hafiz Muhammad Umer Farooq Tahir Ali Sheikh Ali Bahadur Nasser S. Awwad Hala A. Ibrahim Rasmiah S. Almufarj Eslam B. Elkaeed
Frontiers in Chemistry, Volume 11, Article Number 1126171

Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 14**DOI:** 10.3389/fchem.2023.1126171**Designing Highly Active S-g-C₃N₄/Te@NiS Ternary Nanocomposites for Antimicrobial Performance, Degradation of Organic Pollutants, and Their Kinetic Study**

2023

Maryam Ramzan Mohsin Javed Shahid Iqbal Ahmad Alhujaily Qaiser Mahmood Komal Aroosh Ali Bahadur Muhammad Abdul Qayyum Nasser S. Awwad Hala A. Ibrahim Murefah Mana Al-Anazy Eslam B. Elkaeed
Inorganics, Volume 11, Issue 4, Article Number 156

Impact Factor: 3.149 | **Quartile:** 2 | **Citations:** 11**DOI:** 10.3390/inorganics11040156

- Synchronized electrochemical detection of hydroquinone and catechol in real water samples using a Co@SnO₂-polyaniline composite** 2023
Qasar Saleem Sammia Shahid Mohsin Javed Shahid Iqbal Abdur Rahim Sana Mansoor Ali Bahadur Nasser S. Awwad Hala A. Ibrahim Rasmiah S. Almufarij Eslam B. Elkaeed
RSC Advances , Volume 13, Issue 15, Pages 10017-10028
Impact Factor: 4.036 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1039/d3ra00668a
- Photocatalytic Reduction of Cr(VI) to Cr(III) and Photocatalytic Degradation of Methylene Blue and Antifungal Activity of Ag/TiO₂ Composites Synthesized via the Template Induced Route** 2023
Zunaira Zahid Abdul Rauf Mohsin Javed Ahmad Alhujaily Shahid Iqbal Adnan Amjad Muhammad Arif Sajjad Hussain Ali Bahadur Nasser S. Awwad Hala A. Ibrahim Foziah F. Al-Fawzan Eslam B. Elkaeed
Inorganics , Volume 11, Issue 3, Article Number 133
Impact Factor: 3.149 | **Quartile:** 2 | **Citations:** 21
DOI: 10.3390/inorganics11030133
- Photocatalytic removal of imidacloprid containing frequently applied insecticide in agriculture industry using Co₃O₄ modified MoO₃ composites** 2023
Mohamed Shaker S. Adam Sumbleen Sikander M. Tariq Qamar Shahid Iqbal Ahmed Khalil Amel Musa Taha Obadah S. Abdel-Rahman Eslam B. Elkaeed
Frontiers in Chemistry , Volume 11, Article Number 1125835
Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 11
DOI: 10.3389/fchem.2023.1125835
- Fabrication of novel oxochalcogens halides of manganese and tin nanocomposites as highly efficient photocatalysts for dye degradation and excellent antimicrobial activity** 2023
Misbah Umar Sana Mansoor Mohsin Javed Nadia Hussain Majed A. Bajaber Shahid Iqbal Ahmad Alhujaily Ayesha Mohyuddin Humayun Ajaz Abdul Rauf Ali Bahadur Foziah F. Al-Fawzan Eslam B. Elkaeed
Frontiers in Materials , Volume 10, Article Number 1125869
Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 4
DOI: 10.3389/fmats.2023.1125869
- One-pot solvothermal synthesis of highly catalytic Janus transition metal phosphides (TMPs) for high performance OER** 2023
Zeenat Zahoor Ahmad Adnan Maqbool Muhammad Asif Hussain Rami Adel Pashameah Amber Shahzadi Nosheen Nazar Shahid Iqbal Abdullah K. Alanazi Muhammad Naeem Ashiq Hala M. Abo-Die
Fuel , Volume 331, Part 2, Article Number 125913
Impact Factor: 8.035 | **Quartile:** 1 | **Citations:** 14
DOI: 10.1016/j.fuel.2022.125913
- Mn²⁺ Doped Cobalt Oxide and Its Composite with Carbon Nanotubes for Adsorption-Assisted Photocatalytic Applications** 2022
Muhammad Fida Shahid Iqbal Mazloom Shah Tanzeela Fazal Bushra Ismail Hafiz ur Rehman Foziah F. Al-Fawzan Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Sustainability , Volume 14(24), Article Number 16932
Impact Factor: 3.889 | **Quartile:** 2 | **Citations:** 4
DOI: 10.3390/su142416932
- Cation Incorporation and Synergistic Effects on the Characteristics of Sulfur-Doped Manganese Ferrites S@Mn(Fe₂O₄) Nanoparticles for Boosted Sunlight-Driven Photocatalysis** 2022
Sohail Nadeem Mehak Bukhari Mohsin Javed Shahid Iqbal Mirza Nadeem Ahmad Hamad Alrbyawi Murefah Mana Al-Anazy Eslam B. Elkaeed H. H. Hegazy Muhammad Abdul Qayyum Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , Volume 27, Issue 22, Article Number 7677
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 2
DOI: 10.3390/molecules27227677
- Synthesis, In Vitro Biological Evaluation and In Silico Molecular Docking Studies of Indole Based Thiadiazole Derivatives as Dual Inhibitor of Acetylcholinesterase and Butyrylcholinesterase** 2022
Shoaib Khan Shahid Iqbal Muhammad Taha Fazal Rahim Mazloom Shah Hayat Ullah Ali Bahadur Hamad Alrbyawi Ayed A. Dera Mohammed Issa Alahmadi Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , Volume 27, Issue 21, Article Number 7368
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 36
DOI: 10.3390/molecules27217368
- Fabrication of a Ternary Nanocomposite g-C₃N₄/Cu@CdS with Superior Charge Separation for Removal of Organic Pollutants and Bacterial Disinfection from Wastewater under Sunlight Illumination** 2022

Malik Imran Afzal Sammia Shahid Sana Mansoor Mohsin Javed Shahid Iqbal Othman Hakami El Sayed Yousef Foziah F. Al-Fawzan Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Toxics , Volume 10, Issue 11, Article Number 657
Impact Factor: 4.472 | **Quartile:** 2 | **Citations:** 14
DOI: 10.3390/toxics10110657

Synthesis, In Vitro Anti-Microbial Analysis and Molecular Docking Study of Aliphatic Hydrazide-Based Benzene Sulphonamide Derivatives as Potent Inhibitors of α -Glucosidase and Urease 2022

Shoaib Khan Shahid Iqbal Mazloom Shah Wajid Rehman Rafaqat Hussain Liaqat Rasheed Hamad Alrbyawi Ayed A. Dera Mohammed Issa Alahmdi Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , Volume 27, Issue 20, Article Number 7129
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 19
DOI: 10.3390/molecules27207129

Magnetic, Electronic, and Optical Studies of Gd-Doped WO₃: A First Principle Study 2022

Ali Bahadur Tehseen Ali Anjum Mah Roosh Shahid Iqbal Hamad Alrbyawi Muhammad Abdul Qayyum Zaheer Ahmad Murefah Mana Al-Anazy Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , Volume 27(20), Article Number 6976
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 19
DOI: 10.3390/molecules27206976

Integration of Mn-ZnFe₂O₄ with S-g-C₃N₄ for Boosting Spatial Charge Generation and Separation as an Efficient Photocatalyst 2022

Mohsin Javed Waleed Bin Khalid Shahid Iqbal Muhammad Azam Qamar Hamad Alrbyawi Nasser S. Awwad Hala A. Ibrahim Murefah Mana Al-Anazy Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , Volume 27(20), Article Number 6925
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 10
DOI: 10.3390/molecules27206925

The Biogenic Synthesis of Cobalt Monometallic and Cobalt–Zinc Bimetallic Nanoparticles Using Cymbopogon citratus L. Leaf Extract and Assessment of Their Activities as Efficient Dye Removal and Antioxidant Agents 2022

Tauheeda Riaz Soha Nayyar Tayyaba Shahzadi Maria Zaib Sammia Shahid Sana Mansoor Mohsin Javed Shahid Iqbal Murefah Mana Al-Anazy Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Agronomy , Volume 12(10), Article Number 2505
Impact Factor: 3.949 | **Quartile:** 1 | **Citations:** 14
DOI: 10.3390/agronomy12102505

Chromium (III) Ions Were Extracted from Wastewater Effluent Using a Synergistic Green Membrane with a Binary Combination of D2EHPA and Kerosene 2022

Sadaf Sarfraz Akmal Javed Abid Mohsin Javed Shahid Iqbal Samar O. Aljazzar Manzar Zahra Hamad Alrbyawi Eslam B. Elkaeed H. H. Smailly Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Catalysts , Volume 12(10), Article Number 1220
Impact Factor: 4.501 | **Quartile:** 2 | **Citations:** 5
DOI: 10.3390/catal12101220

Simultaneous Quantification of Opioids in Blood and Urine by Gas Chromatography-Mass Spectrometer with Modified Dispersive Solid-Phase Extraction Technique 2022

Sara Yasien Ejaz Ali Mohsin Javed Muhammad Muntazir Iqbal Shahid Iqbal Hamad Alrbyawi Samar O. Aljazzar Eslam B. Elkaeed Ayed A. Dera Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules , 27(19), Article Number 6761
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 14
DOI: 10.3390/molecules27196761

Simultaneous HPLC Determination of Clindamycin Phosphate, Tretinoin, and Preservatives in Gel Dosage Form Using a Novel Stability-Indicating Method 2022

Sadaf Sarfraz Shahid Hussain Mohsin Javed Ali Raza Shahid Iqbal Hamad Alrbyawi Samar O. Aljazzar Eslam B. Elkaeed Hamoud H. Smailly Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Inorganics , Volume 10(10), Article Number 168
Impact Factor: 3.149 | **Quartile:** 2 | **Citations:** 6
DOI: 10.3390/inorganics10100168

Molecular iodine-promoted oxidative cyclization for the synthesis of 1,3,4-thiadiazole-fused- [1,2,4]-thiadiazole incorporating 1,4-benzodioxine moiety as potent inhibitors of α -amylase and α -glucosidase: In vitro and in silico study 2022

Rafaqat Hussain Mazloom Shah Shahid Iqbal Wajid Rehman Shoaib Khan Liaqat Rasheed Haseena Naz Hanan A. Al-ghulikah Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Frontiers in Chemistry, Volume 10, Article Number 1023316
Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 22
DOI: 10.3389/fchem.2022.1023316

New Triazinoindole Bearing Benzimidazole/Benzoxazole Hybrids Analogs as Potent Inhibitors of Urease: Synthesis, In Vitro Analysis and Molecular Docking Studies 2022

Sundas Mumtaz Shahid Iqbal Mazloom Shah Rafaqat Hussain Fazal Rahim Wajid Rehman Shoaib Khan Obaid-ur-Rahman Abid Ayed A. Dera Hanan A. Al-ghulikah Sana Kehili Eslam B. Elkaeed Hamad Alrbyawi Mohammed Issa Alahmdi Liaqat Rasheed
Molecules, Volume 27(19), Article Number 6580
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 18
DOI: 10.3390/molecules27196580

New Biologically Hybrid Pharmacophore Thiazolidinone-Based Indole Derivatives: Synthesis, In Vitro Alpha-Amylase and Alpha-Glucosidase Along with Molecular Docking Investigations 2022

Shoaib Khan Shahid Iqbal Fazal Rahim Mazloom Shah Rafaqat Hussain Hamad Alrbyawi Wajid Rehman Ayed A. Dera Liaqat Rasheed H. H. Somaily Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Molecules, Volume 27(19), Article Number 6564
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 26
DOI: 10.3390/molecules27196564

Synthesis and characterization of polyurethane/zinc oxide nanocomposites with improved thermal and mechanical properties 2022

Manzar Zahra Habib Ullah Mohsin Javed Shahid Iqbal Jigar Ali Hamad Alrbyawi Samia Norah Alwadai Beriham Ibrahim Basha Amir Waseem Sadaf Sarfraz Adnan Amjad Nasser S. Awwad Hala A. Ibrahim H.H. Somaily
Inorganic Chemistry Communication, Volume 144, Article Number 109916
Impact Factor: 3.428 | **Quartile:** 2 | **Citations:** 18
DOI: 10.1016/j.inoche.2022.109916

Synthesis of Novel Benzimidazole-Based Thiazole Derivatives as Multipotent Inhibitors of α -Amylase and α -Glucosidase: In Vitro Evaluation along with Molecular Docking Study 2022

Rafaqat Hussain Shahid Iqbal Mazloom Shah Wajid Rehman Shoaib Khan Liaqat Rasheed Fazal Rahim Ayed A. Dera Sana Kehili Eslam B. Elkaeed Nasser S. Awwad Majed A. Bajaber Mohammed Issa Alahmdi Hamad Alrbyawi Hashem O. Alsaab
Molecules, Volume 27(19), Article Number 6457
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 45
DOI: 10.3390/molecules27196457

Controlled growth of TiO₂/ Zeolite nanocomposites for simultaneous removal of ammonium and phosphate ions to prevent eutrophication 2022

Muhammad Hamza Ashfaq Sammia Shahid Mohsin Javed Shahid Iqbal Othman Hakami Samar O. Aljazzar Urooj Fatima Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk H. H. Somaily
Frontiers in Materials, Volume 9, Article Number 1007485
Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 9
DOI: 10.3389/fmats.2022.1007485

Fabrication of Copper Oxide Nanoparticles Using Passiflora edulis Extract for the Estimation of Antioxidant Potential and Photocatalytic Methylene Blue Dye Degradation 2022

Amina Yasin Urooj Fatima Sammia Shahid Sana Mansoor Hina Inam Mohsin Javed Shahid Iqbal Hamad Alrbyawi Hamoud H. Somaily Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk
Agronomy, Volume 12(10), Article Number 2315
Impact Factor: 3.949 | **Quartile:** 1 | **Citations:** 33
DOI: 10.3390/agronomy12102315

Coupling of Se-ZnFe₂O₄ with rGO for spatially charged separated nanocomposites as an efficient photocatalyst for degradation of organic pollutants in natural sunlight 2022

Kinza Riaz Sohail Nadeem Amani Chrouda Shahid Iqbal Ayesha Mohyuddin Sadaf ul Hassan Mohsin Javed Amal BaQais Nissren Tamam Komal Aroosh Abdul Rauf Mohammed A.S. Abourehab M. Imran Jamil Eslam B. Elkaeed Rami M. Alzhrani Nasser S. Awwad Hala A. Ibrahim
Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 649, Article Number 129332
Impact Factor: 5.518 | **Quartile:** 2 | **Citations:** 19
DOI: 10.1016/j.colsurfa.2022.129332

Comparative Evaluation of Various Extraction Techniques for Secondary Metabolites from Bombax ceiba L. Flowering Plants along with In Vitro Anti-Diabetic Performance 2022

Sara Yasien Muhammad Muntazir Iqbal Mohsin Javed Maha Abdallah Alnuwaiser Shahid Iqbal Qaiser Mahmood Eslam B. Elkaeed Ayed A. Dera Hamad

Alrbyawi Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk

Bioengineering , Volume 9(10), Article Number 486

Impact Factor: 5.046 | **Quartile:** 2 | **Citations:** 12

DOI: 10.3390/bioengineering9100486

Design, Synthesis, In Silico Testing, and In Vitro Evaluation of Thiazolidinone-Based Benzothiazole

2022

Derivatives as Inhibitors of α -Amylase and α -Glucosidase

Shoaib Khan Shahid Iqbal Marwa Khan Wajid Rehman Mazloom Shah Rafaqat Hussain Liaqat Rasheed Yousaf Khan Ayed A. Dera Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk

Pharmaceuticals , Volume 15(10), Article Number 1164

Impact Factor: 5.215 | **Quartile:** 1 | **Citations:** 59

DOI: 10.3390/ph15101164

Synthesis, Characterization, and Antibacterial Potential of Poly(o-anisidine)/BaSO₄ Nanocomposites with Enhanced Electrical Conductivity

2022

Mirza Nadeem Ahmad Sohail Nadeem Raya Soltane Mohsin Javed Shahid Iqbal Zunaira Kanwal Muhammad Fayyaz Farid Sameh Rabea Eslam B. Elkaeed Samar O. Aljazzar Hamad Alrbyawi Walid F. Elkhatib

Processes , Volume 10(9), Article Number 1878

Impact Factor: 3.5 | **Quartile:** 2 | **Citations:** 9

DOI: 10.3390/pr10091878

New quinoline-based triazole hybrid analogs as effective inhibitors of α -amylase and α -glucosidase:

2022

Preparation, in vitro evaluation, and molecular docking along with in silico studies

Yousaf Khan Shahid Iqbal Mazloom Shah Aneela Maalik Rafaqat Hussain Shoaib Khan Imran Khan Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk Mohammed Issa Alahmdi Hisham S. M. Abd-Rabboh

Frontiers in Chemistry , Volume 10, Article Number 995820

Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 48

DOI: 10.3389/fchem.2022.995820

Polymer based nanocomposites: A strategic tool for detection of toxic pollutants in environmental matrices

2022

Ahmad Shakeel Komal Rizwan Ujala Farooq Shahid Iqbal Tanveer Iqbal Nasser S. Awwad Hala A. Ibrahim

Chemosphere , Volume 303, Part 1, Article Number 134923

Impact Factor: 8.943 | **Quartile:** 1 | **Citations:** 33

DOI: 10.1016/j.chemosphere.2022.134923

Correlation between structural, morphological and optical properties of Bi₂S₃ thin films deposited by various aqueous and non-aqueous chemical bath deposition methods

2022

Tanzeela Fazal Shahid Iqbal Mazloom Shah Bushra Ismail Nusrat Shaheen Abdulrahman I. Alharthi Nasser S. Awwad Hala A. Ibrahim

Results in Physics , Volume 40, Article Number 105817

Impact Factor: 4.565 | **Quartile:** 2 | **Citations:** 17

DOI: 10.1016/j.rinp.2022.105817

Improving the Thermal Behavior and Flame-Retardant Properties of Poly(o-anisidine)/MMT Nanocomposites Incorporated with Poly(o-anisidine) and Clay Nanofiller

2022

Mirza Nadeem Ahmad Sohail Nadeem Mohsin Javed Shahid Iqbal Sadaf ul Hassan Samar O. Aljazzar Eslam B. Elkaeed Rami Adel Pashameah Eman Alzahrani Abd-ElAziem Farouk Mohammed T. Alotaibi Hisham S. M. Abd-Rabboh

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Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 11

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2022

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Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 13

DOI: 10.1039/d2ra03906k

Construction of a binary S-scheme S-g-C₃N₄/Co-ZF heterojunction with enhanced spatial charge separation for sunlight-driven photocatalytic performance

2022

Ali Bahadur Shahid Iqbal Mohsin Javed Syeda Saba Hassan Sohail Nadeem Ali Akbar Rami M. Alzhrani Murefah Mana Al-Anazy Eslam B. Elkaeed Nasser S. Awwad Hala A. Ibrahim Ayesha Mohyuddin

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Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 16

DOI: 10.1039/d1ra08525e

Synergistic Influences of Doping Techniques and Well-Defined Heterointerface Formation to Improve the Photocatalytic Ability of the S-ZnO/GO Nanocomposite

2022

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DOI: 10.1002/slct.202201913

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2022

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Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 10

DOI: 10.3389/fchem.2022.975355

Phyto-mediated synthesis of nickel oxide (NiO) nanoparticles using leaves' extract of Syzygium cumini for antioxidant and dyes removal studies from wastewater

2022

Tauheeda Riaz Ansa Munnwar Tayyaba Shahzadi Maria Zaib Sammia Shahid Mohsin Javed Shahid Iqbal Komal Rizwan Muhammad Waqas Bilal Khalid Nasser S. Awwad Hala A. Ibrahim Majed A. Bajaber
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Impact Factor: 3.428 | **Quartile:** 2 | **Citations:** 48

DOI: 10.1016/j.inoche.2022.109656

Controlled growth of nanocomposite thin layer based on Zn-Doped MgO nanoparticles through Sol-Gel technique for biosensor applications

2022

Sana Mansoor Sammia Shahid Kinza Ashiq Norah Alwadai Mohsin Javed Shahid Iqbal Urooj Fatima Sabah Zaman Muhammad Nazim Sarwar Fwzah H. Alshammari Eslam B. Elkaeed Nasser S. Awwad Hala A. Ibrahim
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Impact Factor: 3.428 | **Quartile:** 2 | **Citations:** 20

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2022

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2022

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2022

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DOI: 10.1016/j.chemosphere.2022.133772
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Electrochemical Studies of LbL Films With Dawson Type Heteropolyanion Glassy Carbon Electrode Sensor Modified for Methyl Parathion Detection

2022

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Impact Factor: 3.515 | Quartile: 2 | Citations: 8

DOI: 10.3389/fmats.2022.877683

Simplified Route for Deposition of Binary and Ternary Bismuth Sulphide Thin Films for Solar Cell Applications

2022

Tanzeela Fazal Bushra Ismail Mazloom Shah Shahid Iqbal Eslam B. Elkaeed Nasser S. Awwad Hala A. Ibrahim
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2022

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Impact Factor: 2.769 | Quartile: 1 | Citations: 7

DOI: 10.1002/jemt.24012

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2022

Sammia Shahid Sana Mansoor Mohsin Javed Shahid Iqbal Umair Yousaf Hashem O. Alsaab Nasser S. Awwad Hala A. Ibrahim Rami M. Alzhrani Mashael
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Frontiers in Materials, Volume 9, Article Number 875148

Impact Factor: 3.515 | Quartile: 2 | Citations: 8

DOI: 10.3389/fmats.2022.875148

Fabrication of Poly(o-Chloroaniline) to MMT Clay as Potential Flame-Resistant Material

2022

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Frontiers in Materials, Volume 9, Article Number 874735

Impact Factor: 3.515 | Quartile: 2 | Citations: 8

DOI: 10.3389/fmats.2022.874735

Optoelectronic Analysis of Bismuth Sulfide and Copper-Doped Bismuth Sulfide Thin Films

2022

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Impact Factor: 2.471 | Quartile: 2 | Citations: 14

DOI: 10.1007/s11837-022-05219-x

Well-defined heterointerface over the doped sulfur atoms in NiS@S-rGO nanocomposite improving spatial charge separation with excellent visible-light photocatalytic performance

2022

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Raza

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2022

Zeenat Syeda Maryum Javed Zahoor Ahmad Saeed Ahmed Shahid Iqbal Iram Javed Naqvi Muhammad Usman Muhammad Naeem Ashiq Ashraf Y. Elnagga
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Impact Factor: 6.609 | Quartile: 1 | Citations: 18

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2022

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Impact Factor: 4.539 | **Quartile:** 2 | **Citations:** 18
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Impact Factor: 6.2 | **Quartile:** 1 | **Citations:** 27
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Impact Factor: 2.109 | **Quartile:** 3 | **Citations:** 19
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Impact Factor: 6.064 | **Quartile:** 2 | **Citations:** 29
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Tanzeela Fazal Shahid Iqbal Mazloom Shah Ali Bahadur Bushra Ismail Hisham S. M. Abd-Rabboh Rabia Hameed Qaiser Mahmood Aliya Ibrar Muhammad Sufyan Nasar Yasir Ehsan Ahmad Nauman Shah Saqib Adnan Muhammad Abdul Qayyum
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Impact Factor: 4.539 | **Quartile:** 2 | **Citations:** 49
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Jung Min Kim

Journal of Molecular Structure , Volume 1246, Article Number 131136

Impact Factor: 3.841 | **Quartile:** 3 | **Citations:** 10

DOI: <https://doi.org/10.1016/j.molstruc.2021.131136>

Designing novel anticancer sulfonamide based 2,5-disubstituted-1,3,4-thiadiazole derivatives as potential carbonic anhydrase inhibitor

2021

Mujahid Abas Ali Bahadur Zaman Ashraf Shahid Iqbal Muhammad Shahid Riaz Rajoka S.G. Rashid Erum Jabeen Zafar Iqbal Qamar Abbas Abdul Bais Mubashir Hassan Guocong Liu Kejun Feng Sang Hee Lee Muhammad Nawaz Muhammad Abdul Qayyum

Journal of Molecular Structure , Volume 1246, Article Number 131145

Impact Factor: 3.841 | **Quartile:** 3 | **Citations:** 38

DOI: <https://doi.org/10.1016/j.molstruc.2021.131145>

Green synthesis of biodegradable terpolymer modified starch nanocomposite with carbon nanoparticles for food packaging application

2021

Shahid Iqbal Sohail Nadeem Razia Bano Ali Bahadur Zahoor Ahmad Mohsin Javed Murefah Mana AL-Anazy Asif Ali Qaiser Amel Laref Muhammad Shoaib Guocong Liu Muhammad Abdul Qayyum

Journal of Applied Polymer Science, Volume138, Issue25, Article Number e50604

Impact Factor: 3.057 | **Quartile:** 2 | **Citations:** 18

DOI: [10.1002/app.50604](https://doi.org/10.1002/app.50604)

Magnesium doped mesoporous bioactive glass nanoparticles: A promising material for apatite formation and mitomycin c delivery to the MG-63 cancer cells

2021

Muhammad Shoaib Ali Bahadur Shahid Iqbal Murefah ManaAL-Anazy A.Laref Muhammad Asif Tahir Pervaiz AliChannar Saima Noreen Muhammad Yasir Amer Iqbal Khawaja Waqar Ali

Journal of Alloys and Compounds, Volume 866, Article Number 159013

Impact Factor: 6.371 | **Quartile:** 1 | **Citations:** 49

DOI: [10.1016/j.jallcom.2021.159013](https://doi.org/10.1016/j.jallcom.2021.159013)

A morphology controlled surface sulfurized CoMn 2 O 4 microspike electrocatalyst for water splitting with excellent OER rate for binder-free electrocatalytic oxygen evolution

2021

Ali Bahadur Waseem Hussain Shahid Iqbal Farman Ullah Muhammad Shoaib Guocong Liu Kejun Feng

Journal of Materials Chemistry A, Volume 9, Pages 12255-12264

Impact Factor: 14.511 | **Quartile:** 1 | **Citations:** 61

DOI: [10.1039/D0TA09430G](https://doi.org/10.1039/D0TA09430G)

Designing of highly active g-C3N4/Ni-ZnO photocatalyst nanocomposite for the disinfection and degradation of the organic dye under sunlight radiations

2021

Muhammad Azam Qamar Sammia Shahid Mohsin Javed Shahid Iqbal Mudassar Sher Ali Bahadur Murefah Mana AL-Anazy A. Laref Dongxiang Li Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 614, Article Number 126176

Impact Factor: 5.518 | **Quartile:** 2 | **Citations:** 110

DOI: [10.1016/j.colsurfa.2021.126176](https://doi.org/10.1016/j.colsurfa.2021.126176)

Critical role of the heterojunction interface of silver decorated ZnO nanocomposite with sulfurized graphitic carbon nitride heterostructure materials for photocatalytic applications

2021

Shahid Iqbal Ali Bahadur Shahid Ali Zahoor Ahmad Mohsin Javed Rana Muhammad Irfan Naveed Ahmad Muhammad Azam Qamar Guocong Liu Muhammad Bilal Akbar Muhammad Nawaz

Journal of Alloys and Compounds, Volume 858, Article Number 158338

Impact Factor: 6.371 | **Quartile:** 1 | **Citations:** 75

DOI: [10.1016/j.jallcom.2020.158338](https://doi.org/10.1016/j.jallcom.2020.158338)

Fabricated novel g-C3N4/Mn doped ZnO nanocomposite as highly active photocatalyst for the disinfection of pathogens and degradation of the organic pollutants from wastewater under sunlight radiations

2021

Muhammad Azam Qamar Sammia Shahid Mohsin Javed Mudassar Sher Shahid Iqbal Ali Bahadur Dongxiang Li Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 611, Article Number 125863

Impact Factor: 5.518 | **Quartile:** 2 | **Citations:** 121

DOI: [10.1016/j.colsurfa.2020.125863](https://doi.org/10.1016/j.colsurfa.2020.125863)

2D Ti3C2Tx MXene Nanosheets Coated Cellulose Fibers Based 3D Nanostructures for Efficient Water Desalination

2021

Shoaib Anwer D.H. Anjum Shaohong Luo Yawar Abbas Baosong Li Shahid Iqbal Kin Liao Kin Liao Chemical Engineering Journal, Volume 406, Article Number 126827

Impact Factor: 16.744 | **Quartile:** 1 | **Citations:** 116

DOI: [10.1016/j.cej.2020.126827](https://doi.org/10.1016/j.cej.2020.126827)

- Designing highly potential photocatalytic comprising silver deposited ZnO NPs with sulfurized graphitic carbon nitride (Ag/ZnO/S-g-C3N4) ternary composite** 2021
Shahid Iqbal Naveed Ahmad Mohsin Javed Muhammad Azam Qamar Ali Bahadur Shahid Ali Zahoor Ahmad Rana Muhammad Irfan Guocong Liu Muhammad Bilal Akbar Muhammad Abdul Qayyum
Journal of Environmental Chemical Engineering, Volume 9, Issue 1, Article Number 104919
Impact Factor: 5.909 | **Quartile:** 1 | **Citations:** 79
DOI: 10.1016/j.jece.2020.104919
- Co3C as a promising cocatalyst for superior photocatalytic H2 production based on swift electron transfer processes** 2021
Rana Muhammad Irfan Mudassir Hussain Tahir Shahid Iqbal Mubashar Nadeem Tariq Bashir Mudassar Maqsood Jianqing Zhao Lijun Gao
Journal of Materials Chemistry C, Volume 9, Pages 3145-3154
Impact Factor: 8.067 | **Quartile:** 1 | **Citations:** 58
DOI: 10.1039/D0TC05674J
- The controlled synthesis of g-C3N4/Cd-doped ZnO nanocomposites as potential photocatalysts for the disinfection and degradation of organic pollutants under visible light irradiation** 2021
Mudassar Sher Mohsin Javed Samia Shahid Shahid Iqbal Muhammad Azam Qamar Ali Bahadur Muhammad Abdul Qayyum
RSC Advances, Volume 11, Pages 2025-2039
Impact Factor: 4.036 | **Quartile:** 2 | **Citations:** 86
DOI: 10.1039/D0RA08573A
- The effect of Ni-doped ZnO NPs on the antibacterial activity and degradation rate of polyacrylic acid-modified starch nanocomposite** 2021
Shahid Iqbal Sohail Nadeem Ali Bahadur Mohsin Javed Zahoor Ahmad Mirza Nadeem Ahmad Muhmmad Shoaib Guocong Liu Ayesha Mohyuddin Muhammad Raheel
JOM, Volume 73, No.1, Pages 380-386
Impact Factor: 2.597 | **Quartile:** 2 | **Citations:** 33
DOI: <https://doi.org/10.1007/s11837-020-04490-0>
- Modified QuEChERS extraction method followed by simultaneous quantitation of nine multi-class pesticides in human blood and urine by using GC-MS** 2020
Shahid Iqbal Muhammad Muntazir Iqbal Mohsin Javed Ali Bahadur Sara Yasien Najam-ud-Din Amir Hurr Naveed Ahmad Muhammad Raheel Guocong Liu
Journal of Chromatography B, Volume 1152, Article Number 122227
Impact Factor: 3.205 | **Quartile:** 2 | **Citations:** 53
DOI: 10.1016/j.jchromb.2020.122227
- CoSe as Non-Noble-Metal Cocatalyst Integrated with Heterojunction Photosensitizer for Inexpensive H2 Production under Visible Light** 2020
Rana Muhammad Irfan Mudassir Hussain Tahir Mudassar Maqsood Yanpin gLin Tariq Bashir Shahid Iqbal Jianqing Zhao Lijun Gao Muhammad Haroon Jianqing Zhao Lijun Gao Muhammad Haroon
Journal of Catalysis, Volume 390, Pages 196–205
Impact Factor: 7.920 | **Quartile:** 1 | **Citations:** 55
DOI: 10.1016/j.jcat.2020.07.034
- Fe3C/CdS as noble-metal-free composite photocatalyst for highly enhanced photocatalytic H2 production under visible light** 2020
Rana Muhammad Irfan Mudassir Hussain Tahir Mubashar Nadeem Mudassar Maqsood Tariq Bashir Shahid Iqbal Jianqing Zhao Lijun Gao Jianqing Zhao Lijun Gao
Applied Catalysis A: General, Volume 603, Article Number 117768
Impact Factor: 5.706 | **Quartile:** 2 | **Citations:** 57
DOI: 10.1016/j.apcata.2020.117768
- Highly efficient g-C3N4/Cr-ZnO nanocomposites with superior photocatalytic and antibacterial activity** 2020
Muhammad Azam Qamar Sammia Shahid Shahid Iqbal Mohsin Javed Mudassar Sher Muhammad Bilal Akbar Mudassar Sher Muhammad Bilal Akbar
Journal of Photochemistry and Photobiology A-Chemistry, Volume 401, Article Number 112776
Impact Factor: 4.291 | **Quartile:** 2 | **Citations:** 136
DOI: 10.1016/j.jphotochem.2020.112776
- Controlled synthesis of Ag-doped CuO nanoparticles as a core with poly(acrylic acid) microgel shell for efficient removal of methylene blue under visible light** 2020
Shahid Iqbal Ali Bahadur Madiha Ahmad Mohsin Javed Muhammad Azam Qamar Muhammad Shoaib Muhammad Raheel Naveed Ahmad Muhammad Bilal Akbar Hao Li Muhammad Shoaib Muhammad Raheel Naveed Ahmad Muhammad Bilal Akbar Hao Li
Journal of Materials Science-Materials in Electronics, Volume 31, Pages 8423–8435
Impact Factor: 2.478 | **Quartile:** 3 | **Citations:** 131

DOI: 10.1007/s10854-020-03377-9

Design novel morphologies of L-cysteine surface capped 2D covellite (CuS) nanoplates and study the effect of CuS morphologies on dye degradation rate under visible light

2020

Shahid Iqbal Ali Bahadur Shoaib Anwer Muhammad Shoaib Guocong Liu Hao Li Muhammad Raheel Mohsin Javed Bilal Khalid
CrystEngComm , Volume 22, Pages 4162-4173

Impact Factor: 3.545 | **Quartile:** 1 | **Citations:** 71

DOI: 10.1039/D0CE00421A

Shape and phase-controlled synthesis of specially designed 2D morphologies of L-cysteine surface capped covellite (CuS) and chalcocite (Cu₂S) with excellent photocatalytic properties in the visible spectrum

2020

Shahid Iqbal Ali Bahadur Shoaib Anwer Shahid Ali Aamer Saeed Rana Muhammad Irfan Hao Li Mohsin Javed Muhammad Raheel Muhammad Shoaib
Applied Surface Science , Volume 526, Article Number 146691

Impact Factor: 6.707 | **Quartile:** 1 | **Citations:** 67

DOI: 10.1016/j.apsusc.2020.146691

Magnetic mesoporous bioactive glass for synergetic use in bone regeneration, hyperthermia treatment, and controlled drug delivery

2020

Muhammad Saif Ur Rahman Muhammad Asif Tahir Saima Noreen Muhammad Yasir Ijaz Ahmad Muhammad Bilal Khan Hawajah Waqar Ali Muhammad
Shoaib Ali Bahadur Shahid Iqbal

RSC Advances , Volume 10, Pages 21413-21419

Impact Factor: 3.361 | **Quartile:** 2 | **Citations:** 54

DOI: 10.1039/C9RA09349D

Effect of temperature and reaction time on the morphology of L-cysteine surface capped chalcocite (Cu₂S) snowflakes dendrites nanoleaves and photodegradation Study of Methyl orange dye under visible light

2020

Shahid Iqbal Ali Bahadur Shoaib Anwer Shahid Ali Rana Muhammad Irfan Hao Li Muhammad Shoaib Muhammad Raheel Tehseen Ali Anjum Muhammad
Zulqarnain Hao Li Muhammad Shoaib Muhammad Raheel Tehseen Ali Anjum Muhammad Zulqarnain
Colloids and Surfaces A-Physicochemical and Engineering Aspects, Volume 601, Article Number 124984

Impact Factor: 4.539 | **Quartile:** 2 | **Citations:** 57

DOI: 10.1016/j.colsurfa.2020.124984

Spatial Charge Separation and Transfer in L-Cysteine Capped NiCoP/CdS Nano-Heterojunction Activated with Intimate Covalent Bonding for High-Quantum-Yield Photocatalytic Hydrogen Evolution

2020

Shahid Iqbal
Applied Catalysis B: Environmental , Volume 274, Article Number 119097

Impact Factor: 19.503 | **Quartile:** 1 | **Citations:** 132

DOI: 10.1016/j.apcatb.2020.119097

Facile synthesis of novel fluorescent thiazole coumarinyl compounds: Electrochemical, time resolve fluorescence, and solvatochromic study

2020

Rabail Ujan Ali Bahadur Ghulam Shabir Shahid Iqbal Aamer Saeed Pervaiz Ali Channar Qaiser Mahmood Muhammad Shoaib Ifzan Arshad Muhammad
Saifullah Guocong Liu Rana Muhammad Irfan Zahoor Ahmad Mohsin Javed Muhammad Raheel Muhammad Abdul Qayyum Bilal Khalid Komal Rizwan
Journal of Molecular Structure , Volume 1227, Article Number 129422

Impact Factor: 3.196 | **Quartile:** 3 | **Citations:** 14

DOI: 10.1016/j.molstruc.2020.129422

Enhanced photocatalytic H₂ production under visible light on composite photocatalyst (CdS/NiSe nanorods) synthesized in aqueous solution

2019

Rana Muhammad Irfan Mudassir Hussain Tahir Sayed AliKhan Muhammad Ashraf Shaheen Gulzar Ahmed Shahid Iqbal
Journal of Colloid and Interface Science , Volume 557, Pages 1-9

Impact Factor: 7.489 | **Quartile:** 1 | **Citations:** 67

DOI: 10.1016/j.jcis.2019.09.014

Modulating the burst drug release effect of waterborne polyurethane matrix by modifying with polymethylmethacrylate

2019

Ali Bahadur Aamer Saeed Muhammad Shoaib Shahid Iqbal S. Anwer
Journal of Applied Polymer Science , Volume 136(13), Article number 47253

Impact Factor: 2.52 | **Quartile:** 2 | **Citations:** 47

DOI: 10.1002/app.47253

Synthesis of MnS from Single- and Multi-Source Precursors for Photocatalytic and Battery Applications

2019

Wajid Hussain Hinna Malik Raja Azadar Hussain Hidayat Hussain Ivan Robert Green Shafiqullah Marwat Ali Bahadur Shahid Iqbal Muhammad Umar Farooq

Hui Li Amin Badshah

Journal of Electronic Materials , Volume 48(4), Pages 2278-2288

Impact Factor: 1.774 | **Quartile:** 3 | **Citations:** 56

DOI: 10.1007/s11664-019-06929-w

Iron and nickel doped tin (IV) oxide nanosheets: Synthesis, characterization and applications in hybrid solar cells

2019

Muhammad Nasir Hussain Syed Mujtaba Shah Ghulam Shabir Aamir Saeed Bhatti Amin Badshah Ali Bahadur Abdus Saboor Shahid Iqbal Khalid Khan

Physica E-Low-dimensional Systems & Nanostructures, Volume 108, Pages 307-316

Impact Factor: 3.57 | **Quartile:** 2 | **Citations:** 8

DOI: 10.1016/j.physe.2018.09.018

Electrochemical study of specially designed graphene-Fe₃O₄-polyaniline nanocomposite as a high-performance anode for lithium-ion battery

2018

Ali Bahadur Shahid Iqbal Muhammad Shoaib Aamer Saeed

Dalton Transactions , Volume 47(42), Pages 15031-15037

Impact Factor: 4.052 | **Quartile:** 1 | **Citations:** 52

DOI: 10.1039/C8DT03107J

Synthesis and Characterization of CdS Photocatalyst with Different Morphologies: Visible Light Activated Dyes Degradation Study

2018

W. Hussain H. Malik Ali Bahadur R. A. Hussain M. Shoaib Shahid Iqbal H. Hussain I. R. Green A. Badshah H. Li

Kinetics and Catalysis , Volume 59, Pages 710-719

Impact Factor: 0.868 | **Quartile:** 4 | **Citations:** 51

DOI: 10.1134/S0023158418060058

Regulating the anticancer drug release rate by controlling the composition of waterborne polyurethane

2018

Ali Bahadur Muhammad Shoaib Shahid Iqbal Aamer Saeed Muhamad Saif ur Rahman Muhamad Saif ur Rahman Pervaiz Ali Channar

Reactive and Functional Polymers, Volume 131, Pages 134-141

Impact Factor: 3.074 | **Quartile:** 1 | **Citations:** 55

DOI: 10.1016/j.reactfunctpolym.2018.07.014

Synthesis of Edge-site Selectively Deposited Au Nanocrystals on TiO₂ Nanosheets: An Efficient Heterogeneous Catalyst with Enhanced Visible-Light Photoactivity

2018

Shoaib Anwer G. Bharath Shahid Iqbal Hongmei Qian Tariq Masood Kin Liao Wesley J. Cantwell Jiaotao Zhang Lianxi Zheng

Electrochimica Acta , Volume 283, Pages 1095-1104

Impact Factor: 5.383 | **Quartile:** 1 | **Citations:** 56

DOI: 10.1016/j.electacta.2018.07.041

Nanoporous Ag-Au Bimetallic triangular Nano-prisms Synthesized by Galvanic Replacement for Plasmonic Applications

2018

Hongmei Qian G. Bharath Shahid Iqbal Lijuan Chen Shoaib Anwer

Journal of Nanomaterials, Volume 2018, Article ID 1263942, 7 pages

Impact Factor: 2.233 | **Quartile:** 3 | **Citations:** 9

DOI: 10.1155/2018/1263942

Designing of a spatially separated hetero-junction pseudobrookite (Fe₂TiO₅-TiO₂) yolk-shell hollow spheres as efficient photocatalyst for water oxidation reaction

2017

Muhammad Waqas Shahid Iqbal Ali Bahadur Aamer Saeed Muhammad Raheel Mohsin Javed

Applied Catalysis B: Environmental , Volume 219, Pages 30-35

Impact Factor: 11.698 | **Quartile:** 1 | **Citations:** 53

DOI: 10.1016/j.apcatb.2017.07.049

Electrochemical performance of 2D polyaniline anchored CuS/Graphene nano-active composite as anode material for lithium-ion battery

2017

Shahid Iqbal Ali Bahadur Aamer Saeed Kebin Zhou Muhammad Shoaib Muhammad Waqas

Journal of Colloid and Interface Science , Volume 502, Pages 16-23

Impact Factor: 5.091 | **Quartile:** 1 | **Citations:** 72

DOI: 10.1016/j.jcis.2017.04.082

Eco-friendly synthesis of magnetite (Fe₃O₄) nanoparticles with tunable sizes and dielectric, magnetic, thermal and optical studies

2017

Ali Bahadur Aamer Saeed Muhammad Shoaib Shahid Iqbal Muhammad Imran Bashir Muhammad Waqas Muhammad Nasir Hussain Nasir Abbas

Materials Chemistry and Physics, Volume 198, Pages 229-235

Impact Factor: 2.210 | **Quartile:** 2 | **Citations:** 88

DOI: 10.1016/j.matchemphys.2017.05.061

Biocompatible waterborne polyurethane-urea elastomer as intelligent anticancer drug release matrix: A sustained drug release study

2017

Ali Bahadur Aamer Saeed Shahid Iqbal Muhammad Shoaib Muhammad Saif ur Rahman Muhammad Imran Bashir Muhammad Asghar Muhammad Asif Ali Tahir Mahmood

Reactive and Functional Polymers, 2017, 119, 57-63.

Impact Factor: 2.975 | **Quartile:** 1 | **Citations:** 54

DOI: 10.1016/j.reactfunctpolym.2017.08.001

Photocatalytic applications of Cr₂S₃ synthesized from single and multi-source precursors

2017

Wajid Hussain Amine Badshah Raja Azadar Hussain Imtiaz-uz- din Muhammad Adeel Aleem Ali Bahadur Shahid Iqbal Muhammad Umar Farooq Hassan Ali

Materials Chemistry and Physics, Volume 194, Pages 345-355

Impact Factor: 2.210 | **Quartile:** 2 | **Citations:** 52

DOI: 10.1016/j.matchemphys.2017.04.001

Synthesis, Structural, Dielectric and Magnetic properties of CuFe₂O₄/MnO₂ Nanocomposites

2017

Kashif Ali Ali Bahadur Abdul Jabar Shahid Iqbal Ijaz Ahmad Muhammad Imran Bashir

Journal of Magnetism and Magnetic Materials, Volume 434, Pages 30-36

Impact Factor: 3.046 | **Quartile:** 2 | **Citations:** 66

DOI: 10.1016/j.jmmm.2016.12.009

Sustained drug delivery of doxorubicin as a function of pH, releasing media, and NCO contents in polyurethane urea elastomers

2017

Muhammad Shoaib Ali Bahadur Muhammad Saif ur Rahman Shahid Iqbal Muhammad Ifzan Arshad Muhammad Asif Tahir Tahir Mahmood

Journal of Drug Delivery Science and Technology, Volume 39, Pages 277-282

Impact Factor: 2.297 | **Quartile:** 3 | **Citations:** 46

DOI: 10.1016/j.jddst.2017.04.010

Synthesis of CuFe₂O₄-ZnO nanocomposites with enhanced electromagnetic wave absorption properties

2017

Kashif Ali Javed Iqbal Tariq Jan Ishaq Ahmad Dongyun Wan Ali Bahadur Shahid Iqbal

Journal of Alloys and Compounds, Volume 705, Pages 559-565

Impact Factor: 3.779 | **Quartile:** 1 | **Citations:** 57

DOI: 10.1016/j.jallcom.2017.01.264

Enhanced photocatalytic hydrogen evolution from in situ formation of few-layered MoS₂/CdS nanosheet-based van der Waals heterostructures

2017

Shahid Iqbal Ziwei Pan Kebin Zhou

Nanoscale, Volume 9, Pages 6638-6642

Impact Factor: 7.233 | **Quartile:** 1 | **Citations:** 187

DOI: 10.1039/C7NR01705G

Fe₂P nanoparticles as highly efficient freestanding co-catalyst for photocatalytic hydrogen evolution

2017

Ziwei Pan Rui Wang Junnan Li Shahid Iqbal Wei Liu Kebin Zhou

International Journal of Hydrogen Energy, Volume 43, Pages 5337-5345

Impact Factor: 4.229 | **Quartile:** 1 | **Citations:** 60

DOI: 10.1016/j.ijhydene.2017.09.128

Morphological and magnetic properties of BaFe₁₂O₁₉ nano-ferrite: A promising microwave absorbing material

2017

Ali Bahadur Aamer Saeed Shahid Iqbal Muhammad Shoaib Ijaz Ahmad Muhammad Saif ur Rahman Muhammad Imran Bashir Muhammad Yaseen Wajid Hussain

Ceramics International, Volume 43 (9), Pages 7346-7350

Impact Factor: 3.057 | **Quartile:** 1 | **Citations:** 80

DOI: 10.1016/j.ceramint.2017.03.039

Influence of Fe²⁺ and Ni²⁺ contents on the optical and electrical properties of ZnS quantum dots

2017

Shahid Iqbal Razaqat Ali Khan Muhammad Javed Iqbal Muhammad Waqas Jan Nisar Fahim Shah Abdur Rahman Khan

Journal of Materials Science: Materials in Electronics, Volume 28, Pages 4449-4457

Impact Factor: 2.324 | **Quartile:** 2 | **Citations:** 20

DOI: 10.1007/s10854-016-6074-0

Relationship of hard segment concentration in polyurethane-urea elastomers with mechanical, thermal and drug release properties

2017

Muhammad Shoaib Ali Bahadur Shahid Iqbal Muhammad Saif Ur Rahman Shakeel Ahmed Ghulam Shabir Muhammad Asif Javaid

Impact Factor: 2.297 | **Quartile:** 3 | **Citations:** 51

DOI: 10.1016/j.jddst.2016.12.003

Green synthesis of ultrafine super-paramagnetic magnetite nano-fluid: a magnetic and dielectric study

2017

Ali Bahadur Shahid Iqbal Aamer Saeed Muhammad Imran Bashir Muhammad Shoaib Muhammad Waqas Ghulam Shabir Abdul Jabar

Chemical Papers , Volume 71(8), Pages 1445-1451

Impact Factor: 0.963 | **Quartile:** 4 | **Citations:** 27

DOI: 10.1007/s11696-017-0138-3

FT-IR spectroscopic and thermal study of waterborne polyurethane-acrylate leather coatings using tartaric acid as an ionomer

2016

Ali Bahadur Muhammad Shoaib Aamer Saeed Shahid Iqbal

E-Polymers , Volume 16(6), Pages 463-474

Impact Factor: 0.949 | **Quartile:** 3 | **Citations:** 73

DOI: 10.1515/epoly-2016-0154

Preparation of super paramagnetic maghemite (γ -Fe₂O₃) nanoparticles by wet chemical route and investigation of their magnetic and dielectric properties

2015

Kashif Ali A.K. Sarfraz Imran M. Mirza Ali Bahadur Shahid Iqbal A.ul Haq

Current Applied Physics , Volume 15, Issue 8, Pages 925-929

Impact Factor: 2.144 | **Quartile:** 2 | **Citations:** 57

DOI: 10.1016/j.cap.2015.04.030

Synthesis of stable and highly luminescent beryllium and magnesium doped ZnS quantum dots suitable for design of photonic and sensor material

2013

Muhammad Javed Iqbal Shahid Iqbal

Journal of Luminescence , Volume 134, Pages 739-746

Impact Factor: 2.367 | **Quartile:** 1 | **Citations:** 63

DOI: 10.1016/j.jlumin.2012.07.001

Book Chapters

Organic–Inorganic Nanohybrids in Fuel Cell Applications

2022

Abdul Rauf Mashhood Urfi Zaeem Bin Babar Shahid Iqbal Komal Rizwan

In: *Hybrid Nanomaterials Biomedical, Environmental and Energy Applications* , 1st Edition, Chapter 20, Pages 445-459

Citations: N/A

DOI: 10.1007/978-981-19-4538-0_20

Organic–Inorganic Nanohybrids in Cancer Treatment

2022

Hira Amjad Komal Rizwan Muhammad Baber Shahid Iqbal

In: *Book on Hybrid Nanomaterials Biomedical, Environmental and Energy Applications* , 1st Edition, Chapter 6, Pages 107-132

Citations: 1

DOI: 10.1007/978-981-19-4538-0_6

Editorial Activities

Colloids and Surfaces A-Physicochemical and Engineering Aspects

2022

Reviewed Papers for Journals

Impact Factor: 5.518

Colloids and Surfaces A-Physicochemical and Engineering Aspects

2022

Reviewed Papers for Journals

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