

Muhammad Arfan

Professor

School of Natural Sciences

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About

Dr. Muhammad Arfan is working as Professor in the School of Natural Sciences. Dr. Muhammad Arfan has a PhD in Organic Synthesis. Dr. Muhammad Arfan has published 64 research articles & conference papers having a citation count of 508, carried out 6 projects and filed 1 intellectual property.

Qualifications

PhD in Organic Synthesis Quaid-i-Azam University , Pakistan	2003 - 2011
MPhil in Organic Chemistry Quaid-i-Azam University , Pakistan	2000 - 2002
MS in (Organic Chem) Azad Jammu and Kashmir University , Pakistan	1998 - 2000
BSc in (Chem, Botany, Geography) University of the Punjab , Pakistan	1994 - 1996

Experience

Professor School of Natural Sciences	2021- Present
Associate Professor School of Natural Sciences	2016 - 2021
Assistant Professor School of Natural Sciences	2014 - 2016
Assistant Professor Department of Chemistry SNS , National University of Sciences and Technology (NUST), H-12, Islamabad Pakistan	2014 - 2016
Assistant Professor COMSATS Institute of Information Technology , Abbottabad Pakistan	2009 - 2014

Awards

COMSATS Research Award COMSATS Research Productive Award 2013-14.	2014
COMSATS Research Award COMSATS Research Productive Award 2012-13	2013
Research Productive Award Research Productive Award 2011-12 (F category), PCST. (Pakistan Council for Sciences &Technology).	2012
Research Productive Award Research Productive Award 2010-11 (G category), PCST. (Pakistan Council for Sciences &Technology).	2011
Research Productive Award Research Productive Allowance 2008 (G category), PCST (Pakistan Council for Sciences &Technology).	2009
Best Poster Award Best Poster Award 2009 (Organic Section). Chemistry Department Quaid-e-Azam University, Islamabad, Pakistan.	2009
Research Productive award Research Productive Allowance 2007 (G category), PCST (Pakistan Council for Sciences &Technology).	2008
Best Researcher Award Best Researcher Award of years 2008 (Organic Section), Chemistry Department, Quaid- e- Azam University, Islamabad, Pakistan.	2008
Best Researcher Award Best Researcher Award of years 2007(Organic Section), Chemistry Department, Quaid- e- Azam University, Islamabad, Pakistan.	2007
Best Researcher Award Best Researcher Award of years 2006 (Organic Section), Chemistry Department, Quaid- e- Azam University, Islamabad, Pakistan.	2006

Research Projects

National Projects

Development of Corrosion Inhibitor Product (CorroNust) For Oil Exploration and Transportation Installations

Funding Agency: HEC
Amount: PKR 16,960,000.00
Status: Approved_inprocess

Synthesis and Characterization of Polyacrylonitrile Terpolymers of Different molecular weights as Potential Carbon fiber precursor

Funding Agency: NESCOM
Amount: PKR 300,000.00
Status: Approved_inprocess

Synthesis and Characterization of Polymeric Emulsifiers for the Development of Highly Stable Emulsions and its use as De-foaming Agent

Funding Agency: HEC
Amount: PKR 14,171,000.00
Status: Completed

Industrial Scale Development of Waterproof Cum Heat Resistant, Montmorillonite Clay Modified High-pressure Plywood Composite (NustoPak Wood) from Renewable-Nonedible Agricultural Wastes

Funding Agency: TTSTF
Amount: PKR 8,121,000.00
Status: Completed

Electron Donors Assisted Photocatalytic Conversion of CO2 Employing N-Doped Graphene Supported Metal Chalcogenide Photocatalysts

Funding Agency: HEC
Amount: PKR 9,810,000.00
Status: Completed

Synthesis and Biological Screening of B-Peptides Analog of Neurotensis NT

Funding Agency: HEC
Amount: PKR 3,430,000.00
Status: Completed

International Projects

Research Articles

Experimental and numerical techniques for exploring conventional and seasonal biomass combustion optimization: insights into thermokinetics, combustion characteristics, and ash fusion analysis

Asif Hussain Ramza Akram Waqar ul habib Khan Hamad Gohar Syed Sheraz Daood Israf Ud Din Muhammad Arfan Piotr Olczak
Thermal Science and Engineering Progress , Volume:65, Article Number 103873
Impact Factor: 5.400 | Quartile: 1
DOI: <https://doi.org/10.1016/j.tsep.2025.103873>

Development and characterization of glutaryl thiourea crosslinked novel hydrogel; a detailed analysis of biocompatibility, angiogenesis, and antibacterial potential

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>

Leveraging PLS and Lasso in MARS for high-dimensional FTIR data: A hybrid proposed model for antidiabetic activity of schiff base compounds

Tahir Mehmood Muhammad Arfan Sughra Sarwar
Chemometrics and Intelligent Laboratory Systems, Volume:263, Article Number 105418
Impact Factor: 3.700 | Quartile: 1
DOI: <https://doi.org/10.1016/j.chemolab.2025.105418>

Recent developments and discourse on catalyst systems for partial oxidation of methane to syngas production

Nida Naeem Asif Hussain Mehboob Alam Syed Muhammad Shuja Mustafa Anwar Muhammad Arfan Abdulaziz Al Anazi Mallikarjuna N. Nadagouda Bilal Alam Khan Ahad hussain Javed Umair Yaqub Qazi

Impact Factor: 8.300 | Quartile: 1

DOI: <https://doi.org/10.1016/j.ijhydene.2025.05.183>

Unravelling the role of non-covalent interactions using imidazolium and amino acid based organic salts for efficient CO₂ capture: Experimental, DFT and COSMO-RS explorations

2025

Hira Karim Sabahat Sardar Asad Mumtaz Anila Tabassum Muhammad Arfan Azhar Mahmood Jean-Marc Leveque Cecilia Devi Wilfred Syed Farooq Adil Mohammad Rafe Hatshan Mujeeb Khan

Journal of Environmental Chemical Engineering, Volume:13, Issue:3, Article Number 116237

Impact Factor: 7.400 | Quartile: 1 | Citations: 1

DOI: [10.1016/j.jece.2025.116237](https://doi.org/10.1016/j.jece.2025.116237)

Schiff bases targeting an Sw-480 colorectal cell line: synthesis, characterization, ds-DNA binding and anticancer studies

2025

Hammad Nasir Naeem Abbas Dr. Usman Aftab Ali Rafi Hamna Hafeez Dr. Muhammad Latif Muhammad Arfan

RSC Advances, Volume:15, Issue 3, Pages 1527-1539

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

DOI: [DOI: https://doi.org/10.1039/d4ra06962e](https://doi.org/10.1039/d4ra06962e)

A Convenient Synthesis of Short α -/ β -Mixed Peptides as Potential α -Amylase Inhibitors

2024

Naeem Ahmed Fakhira Razzaq Muhammad Arfan Mansour K. Gatasheh Hammad Nasir Joham Sarfraz Ali Hamna Hafeez

Molecules, Volume 29(17), Article Number 4028

Impact Factor: 4.200 | Quartile: 2

DOI: <https://doi.org/10.3390/molecules29174028>

Effect of the anionic counterpart of amino acid based ionic liquids upon efficient CO₂ Capture: A correlation of experimental and DFT study

2024

Hira Karim Sabahat Sardar Hajra Bibi Fouzia Perveen Muhammad Arfan Asad Mumtaz

Journal of Molecular Liquids, Volume 405, Article Number 125079

Impact Factor: 5.300 | Quartile: 1 | Citations: 4

DOI: [10.1016/j.molliq.2024.125079](https://doi.org/10.1016/j.molliq.2024.125079)

Synthesis and Characterization of Short α and β -Mixed Peptides with Excellent Anti-Lipase Activities

2024

Sabahat Asif Prof. Dr. Muhammad Arfan Naeem Ahmed Qaiser Mahmood Amjad Islam Mansour K. Gatasheh Muhammad Zia

Molecules, Volume: 29, Issue: 04, Article Number: 765

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

DOI: [10.3390/molecules29040765](https://doi.org/10.3390/molecules29040765)

Ferrocene-Boosted Nickel Sulfide Nanoarchitecture for Enhanced Alkaline Water Splitting

2024

Hafiza Komal Zafar Raja Shahid Ashraf Muhammad Arfan Mohammad Rezaul Karim Md A. Wahab Manzar Sohail Abeera Hassan

Chemistry-An Asian Journal, Article Number: e202301051, Pages: 11

Impact Factor: 4.1 | Quartile: 2 | Citations: 3

DOI: [10.1002/asia.202301051](https://doi.org/10.1002/asia.202301051)

Development of Waterproof Cum Heat Resistant, Montmorillonite Clay Modified High-Pressure Plywood Composite from Renewable-Nonedible Agricultural Wastes – An Industrial Case Study of ‘Flask to Reactor’ Approach

2023

Muhammad Akram Muhammad Zeeshan Asad Syeda Mahnoor Zehra Aroosa Farooq Azhar Mahmood Muhammad Arfan Syed Tasweer Hussain Shah

Pakistan Journal of Chemistry, Vol:13(3-4), page:81-87

Impact Factor: 0

DOI: [10.15228/2022.v13.i03-4.p03](https://doi.org/10.15228/2022.v13.i03-4.p03)

Improved photocatalytic decolorization of reactive black 5 dye through synthesis of graphene quantum dots–nitrogen-doped TiO₂

2023

Muhammad Saqib Khan Nadia Riaz Saeed Rehman Liu Chenhui Ahson Jabbar Shaikh Muhammad Arfan Iftikhar Zeb Muhammad Arshad Farhan Hafeez Muhammad Bilal

Environmental Science and Pollution Research, Pages 1-14

Impact Factor: 5.8 | Quartile: 1 | Citations: 4

DOI: <https://doi.org/10.1007/s11356-023-28782-5>

Corrosion Inhibition of Low Carbon Steel in Soil Solutions, Using Novel Schiff Base Inhibitor

2022

Mehmooa Faryal Muhammad Uzman Muhammad Shahid Muhammad Arfan

Solid State Phenomena, Volume 336, Pages 25-33

Impact Factor: N/A

DOI: <https://doi.org/10.4028/p-btm662>

- Partial oxidation of methane over biomass fly ash (BFA)-supported Ni/CaO catalyst for hydrogen-rich syngas production** 2022
Nida Naeem Asif Hussain Khoja Faaz Ahmed Butt Muhammad Arfan Rabia Liaquat Amin Ul Hasnat
Research on Chemical Intermediates, Pages 1-28
Impact Factor: 2.914 | **Quartile:** 3 | **Citations:** 13
DOI: 10.1007/s11164-022-04685-x
- Melia azedarach Activated Carbon and its novel TiO₂ Nanocomposite for Chemisorption and Photodecoloration of Reactive Orange 16: Isotherm and Kinetic Modeling** 2021
Jehanzeb A. Shah Tayyab Ashfaq Muhammad S. Khan Nadia Riaz Khizar H. Shah Muhammad Arfan Yongqing Zhang Muhammad Bilal Muhammad Arshad Sajid H. Shah Bilal A.Z. Amin
Current Analytical Chemistry, Volume 17, Issue 1, Pages 107-119
Impact Factor: 1.892 | **Quartile:** 4 | **Citations:** 9
DOI: 10.2174/1573411016999200715162006
- CoFe₂O₄ decorated g-C₃N₄ nanosheets: New insights into superoxide anion mediated photomineralization of methylene blue** 2020
Muhammad Fahad Ehsan Anam Fazal Saher Hamid Muhammad Arfan Ibrahim Khan Muhammad Usman Ali Shafieeb Muhammad Naeem Ashiq
Journal of Environmental Chemical Engineering, Volume 8, Issue 6, Article Number 104556
Impact Factor: 5.909 | **Quartile:** 1 | **Citations:** 40
DOI: <https://doi.org/10.1016/j.jece.2020.104556>
- Reactive oxygen species: New insights into photocatalytic pollutant degradation over g-C₃N₄/ZnSe nanocomposite** 2020
Muhammad Fahad Ehsan Maryam Shafiq Saher Hamid Ali Shafiee Muhammad Usman Ibrahim Khan Muhammad Naeem Ashiq Muhammad Arfan
Applied Surface Science, Volume 532, Article Number 147418
Impact Factor: 6.707 | **Quartile:** 1 | **Citations:** 56
DOI: <https://doi.org/10.1016/j.apsusc.2020.147418>
- Photocatalytic Decolorization and Biocidal Applications of Nonmetal Doped TiO₂: Isotherm, Kinetic Modeling and In Silico Molecular Docking Studies** 2020
Muhammad Saqib Khan Jehanzeb Ali Shah Muhammad Arshad Sobia Ahsan Halim Ajmal Khan Ahson Jabbar Shaikh Nadia Riaz Asim Jahangir Khan Muhammad Arfan Muhammad Shahid Arshid Pervez Ahmad al Harasi Muhammad Bilal
Molecules, Volume 25, Issue 19, Article Number 4468
Impact Factor: 4.411 | **Quartile:** 2 | **Citations:** 22
DOI: doi:10.3390/molecules25194468
- A Facile Approach to the Synthesis of Benzothiazoles from N-Protected Amino Acids** 2020
Muhammad Arfan Amna Tahira A. Mannan T. Fatima
Russian Journal of Organic Chemistry, Volume 56, No. 2, Pages 292–297
Impact Factor: 0.723 | **Quartile:** 4 | **Citations:** 1
DOI: 10.1134/S1070428020020190
- Successful callogenesis from leaf and petiole of *Bergenia ciliata* (Haw.) Sternb and antibacterial activity of callus extracts** 2019
INHAM UL HAQ GHAZAL KHURSHID MUHAMMAD ARFAN ANUM ZEB ABBASI ISMAT NAWAZ TATHEER NAQVI MOHAMMAD MAROOF SHAH BILAL AHMED ZAFAR AMIN JAMSHAD HUSSAIN MUHAMMAD ARIF ALI SHAFIQ UR REHMAN RAZA AHMAD
Pakistan Journal of Botany, Volume 51, Issue 5, Pages 1847-1852
Impact Factor: 0.800 | **Quartile:** 4 | **Citations:** 2
DOI: 10.30848/PJB2019-5(11)
- ZnTe/ZnSe heterostructures: In-situ synthesis, characterization and photocatalytic activity for Congo Red degradation** 2019
Muhammad Fahad Ehsan Samia Qudoos Muhammad Arfan Zahoor Ahmad Saher Hamid Adeel Zia Khaula Umbreen Muhammad Naeem Ashiq Deependra Tyag
SN Applied Sciences, Volume 1, Issue 3, Article Number 197
Impact Factor: - | **Citations:** 16
DOI: 10.1007/s42452-019-0220-2
- Evaluation of antioxidant, antimicrobial and cytotoxic potential in *Artemisia vulgaris* L.** 2018
Nighat Fatima Arshad Mehmood Abbasi Abdul Mannan Asad Hamad Muhammad Arfan Shujaat Ali Khan
REVISTA ROMANA DE MEDICINA DE LABORATOR, Volume 26, Issue 4, Pages 431-441
Impact Factor: 0.8 | **Quartile:** 4 | **Citations:** 3
DOI: 10.2478/rmlm-2018-0020

Antioxidants, antimicrobial and cytotoxic potential of Swertia chirata. <i>Muhammad Atif Khan Muhammad Zia Muhammad Arfan Abdul Nazir Nighat Fatima Muhammad Naseer Shujaat Ali Khan Tariq Ismail Yasser MSA Alkahraman Ghulam Murtaza Abdul Mannan</i> <i>Biomedical Research</i> , Volume 29, Issue 13, Pages 2722-2726 Impact Factor: N/A Citations: 5 DOI: 10.4066/biomedicalresearch.29-18-685	2018
Cytotoxicity, In vitro anti-Leishmanial and fingerprint HPLC- photodiode array analysis of the roots of Trillium govanianum <i>Kashif Maqbool Lutfun Nahar Muhammad Arfan Abdul Mannan Ihsan Ul-Haq Ghazanfar Ali Khan Izhar Hussain Satyajit D. Sarker</i> <i>NATURAL PRODUCT RESEARCH</i> , Volume 32, Issue 18, Pages 2193-2201 Impact Factor: 1.999 Quartile: 2 Citations: 12 DOI: 10.1080/14786419.2017.1371164	2018
Evaluation of resazurin microtiter plate assay and HPLC- photodiode array analysis of the roots of Asparagus adscendens <i>Kashif Maqbool Khan Lutfun Nahar Abdul Mannan Muhammad Arfan Ghazanfar Ali Khan Glyn Hobbsa Satyajit D. Sarker</i> <i>Natural Product Research</i> , 32(3):346-349 Impact Factor: 1.999 Quartile: 2 Citations: 5 DOI: 10.1080/14786419.2017.1353509	2018
Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicityactivity relationship, antibacterial and urease inhibition activity <i>Atta Ullah Fatima Iftikhar Muhammad Arfan Syeda Tayyaba Batoool Kazmi Muhammad Naveed Anjum Ihsan-ul Haq Muhammad Ayaz Sadia Farooq Umer Rashid</i> <i>European Journal of Medicinal Chemistry</i> , NULL Impact Factor: 4.833 Quartile: 1 Citations: 44 DOI: 10.1016/j.ejmech.2017.12.089	2018
Liquid Chromatography Mass Spectrometry Analysis and Cytotoxicity of Asparagus adscendens Roots against Human Cancer Cell Lines <i>Kashif Maqbool Khan Lutfun Nahar Abdul Mannan Muhammad Arfan Ghazanfar Ali Khan Afaf Al-Groshi Andrew Evans Nicola M. Dempster Fyaz M. D. Ismail Satyajit D. Sarker</i> <i>Pharmacogn Magazine</i> , NULL Impact Factor: 1.260 Quartile: 4 Citations: 7 DOI: 10.4103/pm.pm_136_17	2018
Synthesis of Hydrazones from Amino Acids and their Antimicrobial and Cytotoxic Activities <i>Muhammad Arfan Obaid-ur-Rahman Abid Ghamama Khatoon Imran Sajid Peter Langer Wajid Rehman Fazal Rahim Muhammad Yasir Muhammad Waqar Kashif Syed Haleem</i> <i>Journal of the Chinese Chemical Society</i> , Volume 64, Issue 9, Pages 1079-1087 Impact Factor: 0.862 Quartile: 4 DOI: 10.1002/jccs.201600859	2017
Biocompatible biodegradable polymeric antibacterial nanoparticles for enhancing the effects of a third-generation cephalosporin against resistant bacteria <i>Sana Mushtaq Jawad Akbar Khan Faiz Rabbani Usman Latif Muhammad Arfan Muhammad Arfat Yameen</i> <i>Journal of Medical Microbiology</i> , Volume 66, Issue 3, Pages 318-327 Impact Factor: 2.112 Quartile: 3 Citations: 38 DOI: 10.1099/jmm.0.000445	2017
Aluminum Phthalocyanine Derivatives: Potential in Antimicrobial PDT and Photodiagnosis <i>Zafar I Muhammad Arfan Nasir RP Shaikh AJ</i> <i>Austin Biomolecules</i> , Volume 1, Issue 02, Pages 01-07 Impact Factor: 0 DOI: https://www.austinpublishinggroup.com/biomolecules/fulltext/biomolecules-v1-id1010.php	2016
How to improve antifungal bioactivity: POM and DFT study of some chiral amides derivatives of diacetyl-Ltartaric acid and amines <i>Yahia N. Mabkhot Muhammad Arfan Hsaine Zgou Zuhail K. Genc Murat Genc Abdur Rauf Saud Bawazeer Taibi Ben Hadda</i> <i>RESEARCH ON CHEMICAL INTERMEDIATES</i> , Volume 42, Issue 12, Pages 8055-8068 Impact Factor: 1.369 Quartile: 3 Citations: 26 DOI: 10.1007/s11164-016-2578-8	2016
Eccentricity based topological indices of a hetrofunctional dendrimer	2015

- Rashid Farooq Nazia Nazir Mehar Ali Malik Muhammad Arfan
Journal of Optoelectronics and Advanced Materials, Volume 17, issue 11-12, Pages 1799-1807
Impact Factor: 0.383 | **Quartile:** 4
DOI: https://www.researchgate.net/publication/286440799_Eccentricity_based_topological_indices_of_a_hetrofunctional_dendrimer
- Biological Evaluation of Chiral Amides Synthesized from Diacetyl-L-tartaric Acid and Aromatic Amines,** 2013
 Sher Wali Khan Muhammad Arfan Javid Hussain Zaidi Asghari Bano Faizan Ullah Mahrukh Malik
Asian Journal of Chemistry, Volume 25, No. 2, Pages 745-748
Impact Factor: 0.355 | **Quartile:** 4
DOI: http://www.asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=25_2_32
- Furanone Derivatives from Terrestrial Streptomyces spp.** 2012
 Muhammad Arfan Khaled A. Shaaban Anja Schüffler Hartmut Laatsch
Natural Product Communications, Volume 7, Issue 9, Pages 1199-1202
Impact Factor: 0.956 | **Quartile:** 3 | **Citations:** 7
DOI: <https://journals.sagepub.com/doi/pdf/10.1177/1934578X1200700925>
- Asymmetric Induction via Metalation of Succinic Esters and Amide using S(+) Menthol and R(+) 1-Phenylethylamine as Chiral Auxiliaries** 2012
 Auj e Sana Sher W. Khan Nida Ambreen Muhammad Arfan Javed H. Zaidi Khalid M. Khan Shahnaz Perveen Ghulam A. Miana
Letters in Organic Chemistry, Volume 9, Issue 9, Pages 632-638
Impact Factor: 0.667 | **Quartile:** 4
DOI: 10.2174/157017812803521072
- A New Method of Reducing 2-Mercapto-Substituted 1,3,4-Oxadizoles: Synthesis of Acylhydrazine Derivatives** 2010
 Muhammad Zareef Rashid Iqbal Javid Hussain Zaidi, Muhammad Arfan, Muhammad Ali Khalid M. Khan
Letters in Organic Chemistry, Volume 7, Issue 5, Pages 411-414
Impact Factor: 0.785 | **Quartile:** 4 | **Citations:** 1
DOI: 10.2174/157017810791514670
- Convenient Synthesis of p-substituted 1- arylsulfonyl-pyrrolidin-2-ones.** 2009
 Muhammad Zareef Rashid Iqbal Khalid M. Khan Javid H. Zaidi Zia-Ullah Muhammad Arfan
Natural Product Research, Volume 23, No. 5, Pages 485–488
Impact Factor: 0.745 | **Quartile:** 3
DOI: DOI: 10.1080/14786410802090375
- 2-[4-Benzyl-5-(2-furyl)4-H-1,2,4- triazole -3-ylsufanyl]acetamide** 2008
 Muhammad Zareef Rashid Iqbal Muhammad Arfan Masood Pervez
Acta Crystallographica Section E, E64, o1259
Impact Factor: 0.367 | **Quartile:** 4 | **Citations:** 3
DOI: doi: 10.1107/S1600536808017170
- N'-(2-fluorobenzoyl) benzohydrazide** 2008
 Krzysztof Ejsmont Muhammad Zareef Muhammad Arfan Sarfaraz A. Bashir Jacek Zaleski
Acta Crystallographica Section E: Structure Reports Online, Volume E64, Article Number o1128
Impact Factor: 0.367 | **Quartile:** 4 | **Citations:** 22
DOI: <https://doi.org/10.1107/S1600536808014645>
- Ethyl 2-(5-phenyl-1,3,4-oxadiazol-2- ylsulfanyl)acetate** 2008
 Muhammad Zareef Rashid Iqbal Muhammad Arfan Masood Parvez
Acta Crystallographica Section E: Structure Reports Online, Volume E64, Article Number o736
Impact Factor: 0.367 | **Quartile:** 4 | **Citations:** 4
DOI: doi:10.1107/S1600536808007125
- 4-Ethyl-3-(3-pyridyl)-1H-1,2,4-triazole-5(4H)-thione 0.095-hydrate** 2008
 Muhammad Zareef Muhammad Arfan Rashid Iqbal Masood Parvez
Acta Crystallographica Section E: Structure Reports Online, Volume E64, Article Number o945
Impact Factor: 0.367 | **Quartile:** 4
DOI: 10.1107/S1600536808011744
- A Novel Synthesis and Antimicrobial Activity of 1-[(Substitutedphenyl sulfonyl) pyrrolidin-2-ones.** 2008
 Muhammad Zareef Rashid Iqbal Muhammad Arfan
Journal of Enzyme Inhibition and Medicinal Chemistry, Volume 23(1), Pages 82–86
Impact Factor: 1.421 | **Quartile:** 3 | **Citations:** 1

DOI: <https://doi.org/10.1080/14756360701421328>

An Improved Method of Synthesis of N-protected L-Amino acids As Their Benzoxymethyl (BOM)

2008

Esters.

Javid Hussain Zaidi Muhammad Arfan Saadullah Mir Jabbar Hussain Shah Shahnaz Perveen Khalid Mohammed Khan
Natural Product Research, Volume 22, No. 1, Pages 22–25

Impact Factor: 0.782 | **Quartile:** 3

DOI: <https://doi.org/10.1080/14786410601129903>

In situ Synthesis of Benzyl chloromethyl ether and its use for the Protection and Deprotection of Bifunctional Hydroxyl Compounds

2008

Javid H. Zaidi Khalid M. Khan Sadullah Mir Naseem Iqbal Gunjal M. Arfan
Letters in Organic Chemistry, Volume 5, Issue 2

Impact Factor: 0.915 | **Quartile:** 3

DOI: 10.2174/157017808783743894

Microwave Assisted Synthesis and Anti-HIV Activity of Novel benzenesulfonamides Bearing 2,5-disubstituted -1,3,4-oxadiazole moiety

2007

Muhammad Zareef Rashid Iqbal Najim A. Al-Masoudi Javid H. Zaidi Muhammad Arfan
Heteroatom Chemistry, Volume 18, Number 4, Pages 425-431

Impact Factor: 0.984 | **Quartile:** 3 | **Citations:** 7

DOI: DOI 10.1002/hc.20316

Synthesis, Anti-malarial and Anti-HIV Activities of Novel Chiral and Achiral benzenesulfonamides bearing 1, 3, 4-oxadiazole moieties;

2007

Muhammad Zareef Rashid Iqbal Neira Gamboa De Dominguez Juan Rodrigues Javid H. Zaidi Muhammad Arfan Claudiu T. Supuran
Journal of Enzyme Inhibition and Medicinal Chemistry, Volume 22(3), Pages 301–308

Impact Factor: 1.343 | **Quartile:** 3 | **Citations:** 66

DOI: DOI: 10.1080/14756360601114569

N-(4-Fluorobenzoyl)-3, 4, 5-trimethoxybenzohydrazide Monohydrate

2007

Muhammad Zareef Rashid Iqbal Ghulam Qadeer Muhammad Arfan Wai-Yeung Wong
Acta Crystallographica Section E: Structure Reports Online, Volume E63, Article Number o3052

Impact Factor: 0.508 | **Quartile:** 4

DOI: doi:10.1107/S1600536807025524

Synthesis, Anti- microbial and Anti-HIV Activity of Some Novel Benzenesulfonamides Bearing 2, 5-Disubstituted-1,3,4- Oxadiazole Moiety.

2007

R. Iqbal M. Zareef S. Ahmed J. H. Zaidi M. Arfan M. Shafique N. A. Al-Masoudi
Journal of the Chinese Chemical Society, Volume 53, No. 3, Pages 689-696

Impact Factor: 0.643 | **Quartile:** 3

DOI: <https://doi.org/10.1002/jccs.200600009>

Synthesis, Anti- HIV and Anti- fungal Activities of Novel Benzenesulfonamides Bearing 2, 5 -disubstituted-1,3,4 Oxadiazole Moiety

2007

Muhammad Zareef Rashid Iqbal Najim A. Al-Masoudi Javid H. Zaidi Muhammad Arfan Sohail A. Shahzad
Phosphorus, Sulfur, and Silicon and the Related Elements, Volume 182(2), Pages 281-298

Impact Factor: 0.669 | **Quartile:** 4 | **Citations:** 33

DOI: 10.1080/10426500600919074

Ethyl 2 -(benzoyloxy)benzoate

2007

Rashid Iqbal Muhammad Zareef Saeeda Aziz Ghulam Qadeer Muhammad Arfan
Acta Crystallographica Section E: Structure Reports Online, Volume E63, Pages o744–o745

Impact Factor: 0.508 | **Quartile:** 4 | **Citations:** 1

DOI: doi:10.1107/S1600536807001316

A Convenient Synthesis of 6,8-Dimethoxy-3-[(2-(4- methoxy phenyl)ethyl] isocoumarin

2007

H. Badaruddin Ahmad Muhamma Arfan N. Hasan Rama M. Aslam Malana Shahid Mahboob
Chinese Journal of Chemistry, Volume 25, Pages 102-104

Impact Factor: 0.719 | **Quartile:** 3

DOI: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/cjoc.200790000>

Reactions of N-Protected Amino Acids with Alkyl chloromethyl ethers and Chloromethyl Sulfide

2006

Javid H. Zaidi Khalid M. Khan Shahnaz Perveen Nida Ambereen Muhammad Arfan
Letters in Organic Chemistry, Volume 3(3), Pages 242-243

- Impact Factor:** 1.004 | **Quartile:** 3 | **Citations:** 2
DOI: 10.2174/157017806775789840
- N-[-(5-(Benzylsulfanyl)-1,3,4-oxadiazol-2-yl)- ethyl]-4- chlorobenzenesulfonamide** 2006
 Muhammad Zareef Rashid Iqbal Javid H. Zaidi Muhammad Arfan Masood Pervaz
Acta Crystallographica Section E: Structure Reports Online, Volume E62, Pages o2449-o2451
Impact Factor: 0.567 | **Quartile:** 4 | **Citations:** 5
DOI: doi.org/10.1107/S1600536806017557
- 1- [(4-Methylphenyl)sulfonyl]pyrrolidin-2-one** 2006
 Muhammad Zareef Rashid Iqbal Javid. H. Zaidi Muhammad Arfan Masood Pervaz
Acta Crystallographica Section E: Structure Reports Online, Volume E62, Pages o2955-o2957
Impact Factor: 0.567 | **Quartile:** 4 | **Citations:** 1
DOI: https://doi.org/10.1107/S1600536806022719
- Carbonic Anhydrase Inhibitors. Inhibition of Human Tumor-associated Isozymes IX and Cytosolic isozymes I and II with Some 1,3,4-oxadiazole-thiols** 2006
 Alessio Innocenti Rashid Iqbal Javid H. Zaidi Muhammad Arfan Muhammad Zareef Andrea Scozzafava Claudiu T. Supuran
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