Dr.Ameen Shahid

Assistant Professor

School of Chemical & Materials Engineering

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About

Dr. Dr.Ameen Shahid is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Dr.Ameen Shahid has a PhD in Chemical Engineering. Dr. Dr.Ameen Shahid has published 11 research articles & conference papers having a citation count of 364, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Chemical Engineering 2012 - 2018
Friedrich-Alexander Universität Erlangen-Nürnberg , Germany

MSc in Advanced Materials And Processes 2010 - 2012
Friedrich-Alexander Universität Erlangen-Nürnberg , Pakistan

B.Sc (Hon) in Chemical Engineering 2005 - 2009
University of the Punjab , Pakistan

Experience

Assistant Professor 2021- Present
School of Chemical & Materials Engineering

Postdoctoral Fellow 2018 - 2021
King Abdullah University of Science and Technology , King Abdullah University of Science and Technology, Saudi Arabia

Research Scientest 2012 - 2018
Friedrich-Alexander Universität Erlangen-Nürnberg , Friedrich-Alexander Universität Erlangen-Nürnberg, Germany

Trainee Engineer 2009 - 2010
Fatima Fertilizer Company Ltd , Fatima Fertilizer Company, Ltd Mukhtar Garh, Sadikabad, District Rehim Yar Khan

Research Projects

National Projects

Gasification of leather waste and carbon dioxide capture 2022
Funding Agency: NUST
Amount: PKR 100,000.00
Status: Approved_inprocess

International Projects

Research Articles

Carbon Dioxide Adsorption by Amine-Functionalized Silicalite-1 Zeolite: Impact of Amination on Surface Properties and Adsorption Efficiency 2024
Abdullah Umair Ameen Shahid Nabeel Ahmad Dr. Nouman Ahmad Dalaver Hussain Anjum
Case Studies in Chemical and Environmental Engineering, Volume 10, Article Number 101028
Impact Factor: N/A | **Citations:** 4
DOI: https://doi.org/10.1016/j.cscee.2024.101028

NH3-SCR over Fe/SSZ-13 catalyst prepared by modification of natural chabazite 2024
Ameen Shahid Nabeel Ahmad Dr. Nouman Ahmad Sher Ahmed
Case Studies in Chemical and Environmental Engineering, Volume 10 , Article Number 100842
Impact Factor: N/A
DOI: https://doi.org/10.1016/j.cscee.2024.100842

Development of ZnO-GO-NiO membrane for removal of lead and cadmium heavy metal ions from wastewater 2023

Arslan Maqbool Ameen Shahid Zaib Jahan Muhammad Bilal Khan Niazi Muhammad Ali Inam Ahmad M.Taefeek Emadeldin M Kamel Muhammad Saeed Akhtar

Chemosphere, Volume 338, Article Number 139622

Impact Factor: 8.8 | **Quartile:** 1 | **Citations:** 18

DOI: https://doi.org/10.1016/j.chemosphere.2023.139622

Investigation of combustion performance of tannery sewage sludge using thermokinetic analysis and prediction by artificial neural network 2022

Arslan Khan Imtiaz Ali Wasif Farooq Salman Raza Naqvi Muhammad Taqi Mehran Ameen Shahid Rabia Liaquat Muhammad Waqas Anjum Muhammad Naqvi

Case Studies in Thermal Engineering, Volume 40, Article Number 102586

Impact Factor: 6.268 | **Quartile:** 1 | **Citations:** 37

DOI: https://doi.org/10.1016/j.csite.2022.102586

Effect of SO2 Poisoning on doped and undoped Mn-based Catalysts for Selective Catalytic Reduction of NO 2022

Javier Ruiz-Martínez Lieven E. Gevers Linga R. Enakonda Ameen Shahid Fei Wen

Catalysis Science and Technology, Issue 22

Impact Factor: 6.177 | **Quartile:** 2 | **Citations:** 8

DOI: https://doi.org/10.1039/D2CY01151D

Role of zinc-coated urea fertilizers in improving nitrogen use efficiency, soil nutritional status, and nutrient use efficiency of test crops 2022

Bilal Abdullah Muhammad Bilal Khan Niazi Zaib Jahan Obaid Khan Ameen Shahid Ghulam Abbas Shah Babar Azeem Zahid Iqbal Abid Mahmood

Frontiers in Environmental Science, Volume 10, Article Number 888865

Impact Factor: 5.411 | **Quartile:** 2 | **Citations:** 7

DOI: https://doi.org/10.3389/fenvs.2022.888865

A comparative study of the desilication of channel- and cage-like zeolites 2022

Ameen Shahid Alexandra Inayat Yamini Avadhut Martin Hartmann Wilhelm Schwieger

Microporous and Mesoporous Materials, Volume 341, Article Number 111903

Impact Factor: 5.876 | **Quartile:** 1 | **Citations:** 7

DOI: 10.1016/j.micromeso.2022.111903

Unraveling the structure and role of Mn and Ce for NOx reduction in application-relevant catalysts 2022

Lieven E. Gevers Linga R. Enakonda Ameen Shahid Samy Ould-Chikh Cristina I. Q. Silva Pasi P. Paalanen Antonio Aguilar-Tapia Jean-Louis Hazemann Mohamed Nejib Hedhili Fei Wen Javier Ruiz-Martínez

Nature Communications, Volume 13, Issue 1, Article Number: 2960

Impact Factor: 17.694 | **Quartile:** 1 | **Citations:** 88

DOI: https://doi.org/10.1038/s41467-022-30679-9

Synthesis and characterization of manganese containing mesoporous bioactive glass nanoparticles for biomedical applications 2018

Qaisar Nawaz Muhammad Atiq Ur Rehman Andreas Burkovski Jochen Schmidt Ana M. Beltrán Ameen Shahid Nina K. Alber Wolfgang Peukert Aldo R. Boccaccini

Journal of Materials Science: Materials in Medicine, Volume 29, Issue 5, Article Number 64

Impact Factor: 2.467 | **Quartile:** 2 | **Citations:** 109

DOI: doi.org/10.1007/s10856-018-6070-4

Solvent-free biginelli reactions catalyzed by hierarchical zeolite utilizing a ball mill technique: A green sustainable process 2017

Ameen Shahid Nesreen S. Ahmed Tamer S. Saleh Shaeel Ahmed Al-Thabaiti Sulaiman N. Basahel Wilhelm Schwieger Mohamed Mokhtar

Catalysts, Volume 7(3), Article Number 84

Impact Factor: 3.465 | **Quartile:** 2 | **Citations:** 54

DOI: 10.3390/catal7030084

Direct oxidation of benzene to phenol over hierarchical ZSM-5 zeolites prepared by sequential post synthesis modification 2017

Ameen Shahid Sofia Lopez-Orozco Venkata Reddy Marthala Martin Hartmann Wilhelm Schwieger

Microporous and Mesoporous Materials, Volume 237, Pages 151-159

Impact Factor: 3.649 | **Quartile:** 1 | **Citations:** 32

DOI: https://doi.org/10.1016/j.micromeso.2016.09.012