

# **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.

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## **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

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## **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 Scientist**

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

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## **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**

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## **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>

### **NH<sub>3</sub>-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.Taefek 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 Nagvi  
*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 SO<sub>2</sub> 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](https://doi.org/10.1016/j.micromeso.2022.111903)

**Unraveling the structure and role of Mn and Ce for NO<sub>x</sub> 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 Burkowski 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](https://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](https://doi.org/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>