

Sher Ahmad

Assistant Professor

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Contact:



About

Dr. Sher Ahmad is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Sher Ahmad has a PhD in Chemical engineering. Dr. Sher Ahmad has published 13 research articles & conference papers having a citation count of 107, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Chemical engineering Université de Montpellier II , France	2017 - 2020
MS in Chemical engineering N.W.F.P University of Engineering & Technology Peshawar , Pakistan	2012 - 2014
BS in Chemical engineering UET Peshawar , Pakistan	2007 - 2011

Experience

Assistant Professor School of Chemical & Materials Engineering	2023- Present
Assistant Professor School of Chemical & Materials Engineering	2022 - 2021
Assistant Professor School of Chemical & Materials Engineering	2021 - 2022
Researcher University of Liege , Place du 20 Août 7, 4000 Liège, Belgium	2021 - 2022
Pakistan Atomic Energy Commission Pakistan sectariat N Block Islamabad , 2014-05-28	2017 - 2017

Research Articles

Integrative CFD and AI/ML-based modeling for enhanced alkaline water electrolysis cell performance for hydrogen production <i>Abdullah Sirat Sher Ahmad Iftikhar Ahmad Nouman Ahmad Muhammad Ahsan</i> <i>International Journal of Hydrogen Energy</i> , Volume 83, Pages 1120-1131 Impact Factor: 8.100 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.ijhydene.2024.08.184	2024
Multiscale CFD modelling of porous monoliths for heterogeneous catalysis of Knoevenagel condensation <i>Tahir Mahmood Ahmed Sher Ahmad Jose Sanchez Marcato</i> <i>Chemical Engineering Journal</i> , Volume 493, Article Number 152379 Impact Factor: 13.300 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1016/j.cej.2024.152379	2024
NH3-SCR over Fe/SSZ-13 catalyst prepared by modification of natural chabazite <i>Ameen Shahid Nabeel Ahmad Dr. Nouman Ahmad Sher Ahmed</i> <i>Case Studies in Chemical and Environmental Engineering</i> , Volume 10 , Article Number 100842 Impact Factor: N/A DOI: https://doi.org/10.1016/j.cscee.2024.100842	2024
Continuous flow hydrothermal synthesis of zeolite LTA in intensified reactor. Experimental and multiphysics CFD modeling approach	2023

Sher Ahmad Lilia Ben Mustapha Sebastien Calvo François Collignon Antony E. Fernandes Dominique Toye
Chemical Engineering and Processing - Process Intensification, Volume 189, Article Number 109399

Impact Factor: 4.3 | **Quartile:** 2 | **Citations:** 4

DOI: <https://doi.org/10.1016/j.cep.2023.109399>

Challenges and issues with the performance of boron nitride rooted membrane for gas separation

2022

Zarrar Salauddin Marghoob Ahmed Sarah Farrukh Sher Ahmad Abulhassan Ali Sofia Javed Arshad Hussain Mohammad Younas Sehar Shakir Awais Bokhari
Abdulkader S. Hanbazazah

Chemosphere, Volume 308, Part 1, Article Number 136002

Impact Factor: 8.8 | **Quartile:** 1 | **Citations:** 11

DOI: <https://doi.org/10.1016/j.chemosphere.2022.136002>

Experimental and modeling of tetracycline degradation in water in a flow-through enzymatic monolithic reactor

2022

Sher Ahmad Wasim Sebai Marie-pierre Belleville Nicolas Brun Anne Galarneau José Sanchez-Marcano

Environmental Science and Pollution Research, Pages 1-11

Impact Factor: 5.8 | **Quartile:** 1 | **Citations:** 3

DOI: <https://doi.org/10.1007/s11356-022-21204-y>

Biocatalytic Elimination of Pharmaceuticals Found in Water With Hierarchical Silica Monoliths in Continuous Flow

2022

Wasim Sebai Sher Ahmad Marie-Pierre Belleville Nicola Brun Jose sanchez Marcano Alexis Boccheciampe Perrine Chaurand Clément Levard Anne Galarneau

Frontiers in Chemical Engineering, Volume 4, Article Number 823877

Impact Factor: N/A | **Citations:** 12

DOI: [10.3389/fceng.2022.823877](https://doi.org/10.3389/fceng.2022.823877)

Development of mass and heat transfer coupled model of hollow fiber membrane for salt recovery from brine via osmotic membrane distillation

2021

Sher Ahmad Gabriela Vollet Marson Waheed Ur Rehman Mohammad Younas Sarah Farrukh Mashallah Rezakazemi

Environmental Sciences Europe, Volume 33, Article Number 81

Impact Factor: 5.481 | **Quartile:** 2 | **Citations:** 9

DOI: <https://doi.org/10.1186/s12302-021-00520-z>

Enzymatic monolithic reactors for micropollutants degradation

2021

Nicola Brun Sher Ahmad Wasim Sebai Marie-Pierre Belleville Anne Galarneau Jose sanchez Marcano

Catalysis Today, Volume 362, Pages 62-71

Impact Factor: 6.766 | **Quartile:** 1 | **Citations:** 18

DOI: <https://doi.org/10.1016/j.cattod.2020.04.048>

Mass transfer modelling of hollow fiber membrane contactor for apple juice concentration using osmotic membrane distillation

2020

Sher Ahmad Gabriela Vollet Marson Waheed Zeb Waheed Ur Rehman Mohammad Younas Sarah Farrukh Mashallah Rezakazemi

Separation and Purification Technology, Volume 250, Article Number 117209

Impact Factor: 7.312 | **Quartile:** 1 | **Citations:** 37

DOI: <https://doi.org/10.1016/j.seppur.2020.117209>

Enzymatic Degradation of Micropollutants in Water: the Case of Tetracycline Degradation by Enzymes Immobilized on Monoliths

2020

Sher Ahmad Wasim Sebai Mariepierre Belleville Nicolas Brun Jose Sanchez Marcano Anne Galarneau

Chemical Engineering Transactions, Volume 79, Pages 403-408

Impact Factor: N/A | **Citations:** 4

DOI: <https://doi.org/10.3303/CET2079068>

Conference Proceedings

Synthesis and Characterization of Activated Carbon and its Application for Wastewater Treatment

2023

Farhan Raheel A Rafay Bushra Bibi Sher Ahmad Zeeshan Ali Mohsin Saleem M Shoaib Butt Atiq Ur Reham Muhammad Irfan
The 6th Conference on Emerging Materials and Processes (CEMP 2023), res.country(177,)

Citations: N/A

DOI: Nil

Facilitated Transport Membranes (FTMs) for Natural Gas Purification (CO₂/CH₄)

2023

Syed Shujaat Karim Sher Ahmad Sarah Farrukh

In: *Book on Facilitated Transport Membranes (FTMs) for CO₂ Capture: Overview and Future Trends*, Chapter 4, Pages 93-118

Citations: 1

DOI: https://doi.org/10.1007/978-3-031-21444-8_4