

Nabeel Ahmad

Assistant Professor
School of Chemical & Materials Engineering

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About

Dr. Nabeel Ahmad is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Nabeel Ahmad has a PhD in Nanomaterials. Dr. Nabeel Ahmad has published 20 research articles & conference papers having a citation count of 240, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Nanomaterials Université Denis Diderot (Paris VII) , France	2014 - 2017
MSc in functional materials Christian-Albrechts-Universität Kiel , Germany	2008 - 2012
BS in materials Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	2003 - 2007

Experience

Assistant Professor School of Chemical & Materials Engineering	2022- Present
Lecturer School of Chemical & Materials Engineering	2014 - 2022
Lecturer School of Chemical & Materials Engineering	2012 - 2014
Postdoc RFI , Harwell, OX 11, UK	2020 - 2021
Postdoc Empa , Uberlandstrasse 129, Dubendorf	2018 - 2020

Research Projects

National Projects

Assembly and Testing of Sonic Sifter for the Fine powder Screening
Funding Agency: NESCOM
Amount: PKR 400,000.00
Status: Approved_inprocess

International Projects

Research Articles

Strategic oxygen vacancy control via defect engineering in β-Ga2O3 using rapid thermal annealing for advanced electronics Ji-Ho Choi Yoon-Young Huh Chang Hyun Jo Nabeel Ahmad Mohsin Saleem Jung-Hyuk Koh Optical Materials , Volume:168, Article Number 117389 Impact Factor: 4.200 Quartile: 1 DOI: https://doi.org/10.1016/j.optmat.2025.117389	2025
Carbon Dioxide Adsorption by Amine-Functionalized Silicalite-1 Zeolite: Impact of Amination on Surface Properties and Adsorption Efficiency Abdullah Umair Ameen Shahid Nabeel Ahmad Dr. Nouman Ahmad Dalaver Hussain Anjum Case Studies in Chemical and Environmental Engineering, Volume 10, Article Number 101028	2024

Impact Factor: N/A Citations: 4 DOI: https://doi.org/10.1016/j.cscee.2024.101028	
Quantitative analysis of Ioxoprofen sodium loaded microspheres comprising pectin and its thiolated conjugates: In-vivo evaluation of their sustained release behavior <i>Aisha Anam Ghulam Abbass Shahid Shah Malik Saadullah Dure Shahwar Khalid Mehmood Muhammad Hanif Nabeel Ahmad Ejaz Basheer Hadil Faris Alotaibi Ahmad J. Obaidullah Muhammad Alqarni Nabeela Ameer Heliyon</i> , Volume 10, Issue 16 , Article Number e36297 Impact Factor: 3.400 Quartile: 1 DOI: https://doi.org/10.1016/j.heliyon.2024.e36297	2024
NH3-SCR over Fe/SSZ-13 catalyst prepared by modification of natural chabazite <i>Ameen Shahid Nabeel Ahmad Dr. Nouman Ahmad Sher Ahmed 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
Development and Pharmacokinetic Evaluation of Novasomes for the Trans-nasal Delivery of Fluvoxamine Using Arachidonic Acid-Carboxymethyl Chitosan Conjugate <i>Saima Gulshan Shahid Shah Pervaiz Akhtar Shah Muhammad Irfan Malik Saadullah Ghulam Abbass Muhammad Hanif Akhtar Rasul Dr Nabeel Ahmad Abid Mehmood Ejaz Basheer Muhammad Omer Habib Haris Fadil Aotaibi Ahmad J. Obaidullah Jawza F. Alsabhan Osama I. Alwassil Pharmaceutics</i> , Volume 15(9), Article Number 2259 Impact Factor: 5.4 Quartile: 1 Citations: 14 DOI: 10.3390/pharmaceutics15092259	2023
Fabrication, Characterization and Biomedical Evaluation of a Statistically Optimized Gelatin Scaffold Enriched with Co-Drugs Loaded into Controlled-Release Silica Nanoparticles <i>Hina Younas Hafeez ullah Khan Safirah Maheen Malik saadullah Shahid Shah Nabeel Ahmad Sameer Alshehri Mouhammad Ali Majrashi Abdullah Alsalhi Rida Siddique Mehwish Andleeb Saleha Shabbir Ghulam Abbass Molecules</i> , Volume 28(13), Article Number 5233 Impact Factor: 4.6 Quartile: 2 Citations: 6 DOI: 10.3390/molecules28135233	2023
Unraveling the evolution of exsolved Fe-Ni alloy nanoparticles in Ni-doped La0.3Ca0.7Fe0.7Cr0.3O3-: δ and their role in enhancing CO2-CO electrocatalysis <i>Haris Masood Ansari Adam Stuart Bass Nabeel Ahmad Viola Briss Journal of Materials Chemistry A</i> , Volume 10, Issue 5, Pages 2280-2294 Impact Factor: 11.9 Quartile: 1 Citations: 24 DOI: doi.org/10.1039/D1TA07552G	2022
Template-Assisted in Situ Synthesis of Ag@Au Bimetallic Nanostructures Employing Liquid-Phase Transmission Electron Microscopy <i>Nabeel Ahmad Marta Bonn Danielle passerone Rolf Erni ACS Nano</i> , Volume 13, Issue 11, Pages 13333-13342 Impact Factor: 14.588 Quartile: 1 Citations: 35 DOI: doi.org/10.1021/acs.nano.9b06614	2019
Reliability of two embedded atom models for the description of Ag@Au nanoalloys <i>Marta Bon Nabeel Ahmad Rolf Erni Daniel Passerone Journal of Chemical Physics</i> , Volume 151, Issue 6, Article Number 064105 Impact Factor: 2.991 Quartile: 1 Citations: 10 DOI: //doi.org/10.1063/1.5107495	2019
Attachment of iron oxide nanoparticles to carbon nanofibers studied by in-situ liquid phase transmission electron microscopy <i>Nynke Krans Nabeel Ahmad Damien Alloyeau K P de Jong J Zecevic Micron</i> , Volume 117, Pages 40-46 Impact Factor: 1.726 Quartile: 2 Citations: 12 DOI: doi.org/10.1016/j.micron.2018.10.009	2019
Driving reversible redox reactions at solid-liquid interfaces with the electron beam of a transmission electron microscope <i>Jaysen Nelayah Nabeel Ahmad Guillaume Wang Christian Ricolleau Damien Alloyeau Journal of Microscopy</i> , Volume 269, Issue 2, Pages 113-176 Impact Factor: 1.813 Quartile: 2 Citations: 16	2018

DOI: DOI:10.1111/jmi.12568

Monitoring the dynamics of cell-derived extracellular vesicles at the nanoscale by liquid-cell transmission electron microscopy 2018
Mx Piffoux Nabeel Ahmad Jaysen Nelayah Claire Wilhelm Amanda Silva Florence Gazeau Damien Alloyeau
Nanoscale , Volume 10, Issue 3, Pages 1234-1244
Impact Factor: 6.970 | **Quartile:** 1 | **Citations:** 30
DOI: doi.org/10.1039/C7NR07576F

Exploring the Formation of Symmetric Gold Nanostars by Liquid-Cell Transmission Electron Microscopy 2017
Nabeel Ahmad Guillaume Wang Jaysen Nelayah Christian Ricolleau Damien Alloyeau
Nano Letters , Volume 17(7), Pages 4194-4201
Impact Factor: 12.080 | **Quartile:** 1 | **Citations:** 56
DOI: doi:10.1021/acs.nanolett.7b01013

Surface and interface interplay on the oxidizing temperature of iron oxide and Au-iron oxide core-shell nanoparticles 2016
Sarveena Diego Muraca P. Mendoza Zélis Yasir Javed Nabeel Ahmad J M Vargas O Moscoso M Knobel M Singh S. K. Sharma
RSC Advances , Volume 6, Issue 74, Pages 70394-70404
Impact Factor: 3.108 | **Quartile:** 2 | **Citations:** 12
DOI: //doi.org/10.1039/C6RA15610J

Growth of dendritic nanostructures by liquid-cell transmission electron microscopy: a reflection of the electron-irradiation history 2016
Nabeel Ahmad Yann le Bouar Christian Ricolleau Damien Alloyeau
Advanced Structural and Chemical Imaging , Volume 2, Issue 1, Article Number 9
Impact Factor: N/A | **Citations:** 20
DOI: doi.org/10.1186/s40679-016-0023-0

Editorial Activities

Iranian Journal of Chemistry and Chemical Engineering 2025
Reviewed Papers for Journals
Impact Factor: N/A

Iranian Journal of Chemistry and Chemical Engineering 2025
Reviewed Papers for Journals
Impact Factor: N/A

Journal of the American Chemical Society 2019
Reviewed Papers for Journals
Impact Factor: 14.4