

Muhammad Ayman Zaheer

Assistant Professor
School of Chemical & Materials Engineering

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About

Dr. Muhammad Ayman Zaheer is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Muhammad Ayman Zaheer has a PhD in Chemistry. Dr. Muhammad Ayman Zaheer has published 4 research articles & conference papers having a citation count of 22, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Chemistry Universität Leipzig , Germany	2015 - 2020
MS in Nanoscience University of Nottingham , United Kingdom	2012 - 2013
BSc in Materials Engineering Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	2008 - 2012
A Level in PreEngineering University of London , United Kingdom	2006 - 2008
O Level in Pre Engineering Science University of London , United Kingdom	2004 - 2006

Experience

Assistant Professor School of Chemical & Materials Engineering	2024- Present
Assistant Professor School of Chemical & Materials Engineering	2024 - 2024
Deputy Director Publications University Main Office (UMO)	2023 - 2024
Deputy Director Publications University Main Office (UMO)	2020 - 2023
Acting Director (research) National University of Science and Technology (NUST) , Sector H-12, Islamabad	2023 - 2023
Deputy Director (Publications), EBPS-19 National University of Science and Technology (NUST) , Sector H-12, Islamabad	2020 - 2023
Research Internee Helmholtz Centre for Environmental Research , Permoserstasse 15, 04318 Leipzig, Germany	2014 - 2015
Research Internee Institut de Ciencia de Materials de Barcelona , Campus de la Universitat Autonoma de Barcelona, 08193 Bellaterra, Catalonia, Spain	2011 - 2011
Internee TetraPak , 316 Upper Mall, Lahore, Pakistan	2010 - 2010
Internee Veolia Water , Riyadh, Saudi Arabia	2009 - 2009

Awards

Oral Presentation Award

2018

3rd prize for best oral presentation Topic: In-situ Characterization of Mixing Dynamics in Liquid-Phase Reactions by ¹²⁹Xe-NMR Spectroscopy Conference: Annual Conference of the Leipzig School of Natural Science – Building with Molecules and Nano objects, 05-07/03/2018, Leipzig, Germany.

Poster Presentation Award

2017

3rd prize for best poster presentation Topic: Transport of Methyl Oleate in Hierarchically Structured TS-1 Catalysts Probed by Means of Diffusion NMR Conference: Diffusion Fundamentals VII: Evolution or Degradation? Basic Principles of Theory, Experiment and Application, 03-07/07/2017, Moscow, Russia.

Dean Honor Role Cert.

2010

GPA 3.65 Distinction (2nd) B.Sc Materials Engineering (5th Semester) Faculty of Materials Engineering, Ghulam Ishaq Khan Institute of Engineering Sciences & Technology (GIKI)

Dean Honor Role Cert.

2010

GPA 3.63 Distinction (2nd) B.Sc Materials Engineering (4th Semester) Faculty of Materials Engineering, Ghulam Ishaq Khan Institute of Engineering Sciences & Technology (GIKI)

Dean Honor Role Cert.

2009

GPA 3.67 Distinction (2nd) B.Sc Materials Engineering (3rd Semester) Faculty of Materials Engineering, Ghulam Ishaq Khan Institute of Engineering Sciences & Technology (GIKI)

Professional Memberships

PEC

Since 2014

Research Projects

National Projects

"NUST Proposal for HESSA ORIC Partnership University of Science and Technology (NUST)"

2023

Funding Agency: Higher Education System Strengthening Activity (HESSA)

Amount: PKR 1,148,720.00

Status: Completed

NUST Faculty Dashboard for Industrial & Academic View

2022

Funding Agency: NUST

Amount: PKR 1,000,000.00

Status: Completed

Devising Web of Science Metrics Using Scopus Database

2022

Funding Agency: NUST

Amount: PKR 1,000,000.00

Status: Completed

International Projects

Gender, Intersectionality and Climate Change: From Scientific Evidence to Action

2023

Funding Agency: BMZ/GIZ-Deutsche Gesellschaft für Internationale Zusammenarbeit / German Development Agency, Germany

Amount: PKR 22,042,138.00

Status: Approved_inprocess

Advances in limitations and opportunities of clean biofuel production to promote decarbonization

2023

Ali Sarosh Khawaja Muhammad Ayman Zaheer Ali Ahmad Asif Ali Mirani Zulfiqar Ali

Fuel, Volume 342, ID:127662

Impact Factor: 8.035 | **Quartile:** 1 | **Citations:** 15

DOI: 10.1016/j.fuel.2023.127662

Synthesis of highly active ETS-10-based titanasilicate for heterogeneously catalyzed transesterification of triglycerides

2019

Muhammad Ayman Zaheer David Poppitz Khavar Feyzullayeva Marianne Wenzel Jörg Matysik Radomir Ljupkovic Aleksandra Zarubica Alexander A.

Karavaev Andreas Pöpl Roger Gläser Muslim Dvoyashkin

Beilstein Journal of Nanotechnology, Volume 10, Pages 2039-2061

Impact Factor: 2.612 | **Quartile:** 2 | **Citations:** 6

DOI: 10.3762/bjnano.10.200

In Situ and in Operando Characterization of Mixing Dynamics in Liquid-Phase Reactions by ¹²⁹Xe NMR Spectroscopy

2017

Muhammad Ayman Zaheer Jeremias C. Zill Jörg Matysik Roger Gläser Muslim Dvoyashkin

ChemPhysChem, Volume 18, Issue 12, Page 1513-1516

Impact Factor: 2.947 | **Quartile:** 2 | **Citations:** 1

DOI: <https://doi.org/10.1002/cphc.201700080>

Effect of Internal Diffusion Resistance in Detection of Cd in Water by Stripping Voltammetry Using Antimony Impregnated Activated Carbon Electrode

2014

Mobusher Majeed Sadiq Aqeel Ahmad Taimoor Fida Muhammad Fazal Ahmed Khalid Muhammad Ayman Zaheer

Journal of the Pakistan Institute of Chemical Engineers, Vol 42, Issue 1, 2014

Impact Factor: 0

DOI: Not present