Muhammad Salman Haider

Associate Professor

School of Chemical & Materials Engineering

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About

Dr. Muhammad Salman Haider is working as Associate Professor in the School of Chemical & Materials Engineering. Dr. Muhammad Salman Haider has a PhD in Desalination Membrane Synthesis. Dr. Muhammad Salman Haider has published 3 research articles & conference papers having a citation count of 240, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Desalination Membrane Synthesis 2012 - 2016
Hanyang University , South Korea

MS in Bio Reactor 2008 - 2010
Hanyang University , South Korea

BSc in Gas Engineering 2003 - 2007
UET Lahore , Pakistan

Experience

Associate Professor 2024- Present
School of Chemical & Materials Engineering

Post-Doctorate Fellow 2017 - 2018
Korea Advanced Institute of Science and Technology KAIST , 291 Daehak-ro, Yuseong-gu, Daejeon, South Korea

Assistant Professor 2016 - 2024
Chemical Engineering Department University of Gujrat , Jalalpur Jattan Road, Gujrat, Punjab 50700

Graduate Research Fellow 2012 - 2016
Hanyang University , 55 Hanyangdaehak-ro, Sangnok-gu, Ansan-si, Gyeonggi-do, South Korea

Lecturer 2010 - 2016
University of Gujrat , Jalalpur Jattan Road, Gujrat, Punjab 50700

Trainee Senior Management 2007 - 2008
Attock Refinery Limited , Morgah, Rawalpindi, Punjab

Research Projects

National Projects

4th ASEAN-Pakistan Conference on Materials Science (APCoMS 2025) 2025

Funding Agency: ASEAN Pakistan Collaboration Fund

Amount: PKR 24,780,568.00

Status: Approved_inprocess

Process Development for Cost Effective Production of Citric Acid at pilot scale 2022

Funding Agency: Gourmet Foods, PAK

Amount: PKR 650,000.00

Status: Approved_inprocess

Pilot sale study of biogas upgrading process using hybrid system based on water scrubbing and memrane technology 2023

Funding Agency: PSF

Amount: PKR 17,496,000.00

Status: Approved_inprocess

International Projects

Erasmas+ Programme - Mobility for learners and staff- Higher Education student and staff mobility 2024

Funding Agency: International

Amount: PKR 4,000,000.00

Status: Approved_inprocess

Research Articles

Inexpensive sol-gel synthesis of multiwalled carbon nanotube-TiO2 hybrids for high performance antibacterial materials 2016

Nadir Abbas Godlisten N. Shao Muhammad Salman Haider Syed Muhammad Imran Sung Soo Park Sun-Jeong Jeon Hee Taik Kim

Materials Science and Engineering: C , Volume 68, Pages 780-788

Impact Factor: 4.164 | **Quartile:** 2 | **Citations:** 57

DOI: https://doi.org/10.1016/j.msec.2016.07.036

Sol–gel synthesis of TiO2-Fe2O3 systems: Effects of Fe2O3 content and their photocatalytic properties 2016

Nadir Abbas Godlisten N. Shao Muhammad Salman Haider S.M. Imran Sung Soo Park Hee Taik Kim

Journal of Industrial and Engineering Chemistry, Volume 39, Pages 112-120

Impact Factor: 4.421 | **Quartile:** 1 | **Citations:** 101

DOI: https://doi.org/10.1016/j.jiec.2016.05.015

Sol-gel synthesis of photoactive zirconia-titania from metal salts and investigation of their photocatalytic properties in the photodegradation of methylene blue 2014

Godlisten N. Shao S.M. Imran Sun Jeong Jeon Marion Engole Nadir Abbas Muhammad Salman Haider Shin Jae Kang Hee Taik Kim

Powder Technology , Volume 258, Pages 99-109

Impact Factor: 2.349 | **Quartile:** 2 | **Citations:** 82

DOI: https://doi.org/10.1016/j.powtec.2014.03.024

Editorial Activities

Chemical Engineering Journal 2024

Reviewed Papers for Journals

Impact Factor: 13.3