

Imran Ullah Khan

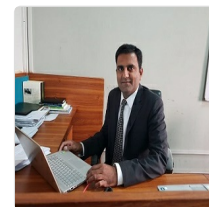
Assistant Professor

School of Chemical & Materials Engineering

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About

Dr. Imran Ullah Khan is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Imran Ullah Khan has a PhD in Chemical Engineering. Dr. Imran Ullah Khan has published 19 research articles & conference papers having a citation count of 1233, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS in (Chemical Engg) Karlstad University , Sweden	- 2011
BE in (Chemical Engg) BZU, Multan , Pakistan	- 2006
PhD in Chemical Engineering Universiti Teknologi Malaysia , Malaysia	2015 - 2018

Experience

Assistant Professor School of Chemical & Materials Engineering	2020- Present
Assistant Professor School of Chemical & Materials Engineering	2020 - 2018
Assistant Professor School of Chemical & Materials Engineering	2018 - 2020
Lecturer School of Chemical & Materials Engineering	2014 - 2020
Lab Engineer Karlstad University, Sweden ,	2012 - 2014
Instructor Dr AQ Khan Institute of Engg and Technology, Pakistan ,	2006 - 2009

Awards

Best Postgraduate Student I have been awarded Best Postgraduate Student Award (The prestigious award (Gold Medal) in University Technology Malaysia).	2019
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Professional Memberships

PEC	Since 2006
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Research Articles

Performance Analysis of Blended Membranes of Cellulose Acetate with Variable Degree of Acetylation for CO₂/CH₄ Separation	2021
<i>Sarrah Farukh Mohd Hafiz Dzarfan Othman Arshad Hussain Imran Ullah Khan Mohd Hafiz Dzarfan Othman Ayesha Raza Mohd Hafiz Dzarfan Othman Muhammad Ahsan</i> <i>Membranes</i> , Volume 11, Issue 4, Article Number 245	
Impact Factor: 4.562 Quartile: 1 Citations: 19	
DOI: https://doi.org/10.3390/membranes11040245	

- Development of high performance amine functionalized zeolitic imidazolate framework (ZIF - 8)/cellulose triacetate mixed matrix membranes for CO₂ /CH₄ separation** 2020
- Dr. Tayyaba Noor Ayesha Raza Sarah Farrukh Arshad Hussain Imran Ullah Khan Mohd Hafiz Dzarfan Othman Muhammad Fahad Yousaf*
International Journal of Energy Research, Pages 1–11
- Impact Factor:** 5.164 | **Quartile:** 1 | **Citations:** 32
DOI: <https://doi.org/10.1002/er.5448>
- ZIF-8 based polysulfone hollow fiber membranes for natural gas purification** 2020
- Imran Ullah Khan Mohd Hafiz Dzarfan Othman Asim Jilani A.F. Ismail Haslenda Hashim Juhana Jaafar A.K. Zulhairun Mukhlis A. Rahman Ghani Ur Rehman Mohd Hafiz Dzarfan Othman Asim Jilani A.F. Ismail Haslenda Hashim Juhana Jaafar A.K. Zulhairun Mukhlis A. Rahman Ghani Ur Rehman*
Polymer Testing, Volume 84, Article Number 106415
- Impact Factor:** 4.282 | **Quartile:** 1 | **Citations:** 48
DOI: <https://doi.org/10.1016/j.polymertesting.2020.106415>
- Controlled synthesis of reduced graphene oxide supported magnetically separable Fe₃O₄@rGO@AgI ternary nanocomposite for enhanced photocatalytic degradation of phenol** 2019
- Ghani Ur Rehman P.S. Goh Imran Ullah Khan Muhammad Tahir A.F. Ismail*
Powder Technology, Volume 356, Pages 547-558
- Impact Factor:** 4.142 | **Quartile:** 1 | **Citations:** 59
DOI: <https://doi.org/10.1016/j.powtec.2019.08.026>
- Linear/nonlinear optical susceptibility spectroscopic constants of polyaniline@ graphene oxide nanocomposite thin films** 2019
- Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Imran Ullah Khan Syed Zajif Hussain*
Synthetic Metals, Volume 251, Pages 30-39
- Impact Factor:** 3.286 | **Quartile:** 1 | **Citations:** 21
DOI: [10.1016/j.synthmet.2019.03.019](https://doi.org/10.1016/j.synthmet.2019.03.019)
- Structural and optical characteristics, and bacterial decolonization studies on non-reactive RF sputtered Cu–ZnO@ graphene based nanoparticles thin films** 2019
- Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Mohammad Oves Syed Zajif Hussain Imran Ullah Khan M. Sh. Abdel-wahab*
Journal of Materials Science, Volume 54, Issue 8, Pages 6515-6529
- Impact Factor:** 3.553 | **Quartile:** 2 | **Citations:** 17
DOI: [10.1007/s10853-019-03343-9](https://doi.org/10.1007/s10853-019-03343-9)
- Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment** 2018
- Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Syed Zajif Hussain Ahmad Fauzi Ismail Imran Ullah Khan Inamuddin*
Environmental Chemistry Letters, Volume 16, Issue 4, Pages 1301-1323
- Impact Factor:** 4.617 | **Quartile:** 1 | **Citations:** 98
DOI: [10.1007/s10311-018-0755-2](https://doi.org/10.1007/s10311-018-0755-2)
- Structural, optical, and photocatalytic investigation of nickel oxide@ graphene oxide nanocomposite thin films by RF magnetron sputtering** 2018
- Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Rajeev Kumar Imran Ullah Khan M. Sh. Abdel-wahab Ahmed Alshahrie M. A. Barakat Tonni Agustiono Kurniawan*
Journal of Materials Science, Volume 53, Issue 21, Pages 15034-15050
- Impact Factor:** 3.442 | **Quartile:** 2 | **Citations:** 30
DOI: [10.1007/s10853-018-2692-7](https://doi.org/10.1007/s10853-018-2692-7)
- Economical, environmental friendly synthesis, characterization for the production of zeolitic imidazolate framework-8 (ZIF-8) nanoparticles with enhanced CO₂ adsorption** 2018
- Imran Ullah Khan Mohd Hafiz Dzarfan Othman Asim Jilani A.F. Ismail Haslenda Hashim Juhana Jaafar Mukhlis A. Rahman Ghani Ur Rehman*
Arabian Journal of Chemistry, Volume 11, Issue 7, Pages 1072-1083
- Impact Factor:** 3.298 | **Quartile:** 2 | **Citations:** 70
DOI: [10.1016/j.arabjc.2018.07.012](https://doi.org/10.1016/j.arabjc.2018.07.012)
- A comprehensive study on the surface chemistry of particulate matter collected from Jeddah, Saudi Arabia** 2018
- Asim Jilani Syed Zajif Hussain Mohd Hafiz Dzarfan Othman Usama Zulfiqar Muhammad Bilal Shakoor Imran Ullah Khan Javed Iqbal Attieh A. Al-Ghamdi Ahmed Alshahrie*
Journal of Atmospheric Chemistry, Journal of Atmospheric Chemistry Volume 75, Issue 3, pp 271–283
- Impact Factor:** 1.708 | **Quartile:** 3 | **Citations:** 2
DOI: [10.1007/s10874-018-9376-1](https://doi.org/10.1007/s10874-018-9376-1)

- Status and improvement of dual-layer hollow fiber membranes via co-extrusion process for gas separation: A review** 2018
Imran Ullah Khan Mohd Hafiz Dzarfan Othman A.F. Ismail Takeshi Matsuura Haslenda Hashim Nik Abdul Hadi Md Nordin Mukhlis A. Rahman Juhana Jaafar Asim Jilani
Journal of Natural Gas Science and Engineering, Volume 52, Pages 215-234, April 2018
Impact Factor: 3.859 | **Quartile:** 1 | **Citations:** 57
DOI: 10.1016/j.jngse.2018.01.043
- RAPID SYNTHESIS AND CHARACTERIZATION OF LEAF-LIKE ZEOLITIC IMIDAZOLATE FRAMEWORK** 2018
Imran Ullah Khan Mohd Hafiz Dzarfan Othman Juhana Jaafar Haslenda Hashim Ahmad Fauzi Ismail Mukhlis A Rahman Norafiqah Ismail
MALAYSIAN JOURNAL OF ANALYTICAL SCIENCES, Vol 22 No 3 (2018), Page no: 553 - 560
Impact Factor: 0 | **Citations:** 7
DOI: 10.17576/mjas-2018-2203-24
- Structural transition from two-dimensional ZIF-L to three-dimensional ZIF-8 nanoparticles in aqueous room temperature synthesis with improved CO₂ adsorption** 2018
Imran Ullah Khan Mohd Hafiz Dzarfan Othman A.F. Ismail N. Ismail Juhana Jaafar Haslenda Hashim Mukhlis A. Rahman Asim Jilani
Materials Characterization, Volume 136, Pages 407-416, February 2018
Impact Factor: 3.220 | **Quartile:** 1 | **Citations:** 69
DOI: 10.1016/j.matchar.2018.01.003
- A simple route to layer-by-layer assembled few layered graphene oxide nanosheets: Optical, dielectric and antibacterial aspects** 2018
Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Mohammad Oves Ahmed Alshahrie Imran Ullah Khan Sajith V.K
Journal of Molecular Liquids, ISSN:0167-7322, Volume 253, Pages 284-296
Impact Factor: 4.561 | **Quartile:** 1 | **Citations:** 27
DOI: 10.1016/j.molliq.2018.01.042
- Facile spectroscopic approach to obtain the optoelectronic properties of few-layered graphene oxide thin films and their role in photocatalysis** 2017
Asim Jilani Mohd Hafiz Dzarfan Othman Mohammad Omaish Ansari Rajeev Kumar Ahmed Alshahrie Ahmad Fauzi Ismail Imran Ullah Khan Vattam Kandathil Sajith M. A. Barakat
New Journal of Chemistry, Volume: 41 Issue: 23 Pages: 14217-14227
Impact Factor: 3.201 | **Quartile:** 2 | **Citations:** 32
DOI: 10.1039/C7NJ03614K
- Biogas as a renewable energy fuel?A review of biogas upgrading, utilization, and storage** 2017
Imran Ullah Khan Mohd Hafiz Dzarfan Othman Haslenda Hashim Takeshi Matsuura A.F. Ismail M. Rezaei-DashtArzhandi I. Wan Azelee
Energy Conversion and Management, Volume 150, 15 October 2017, Pages 277-294
Impact Factor: 6.377 | **Quartile:** 1 | **Citations:** 645
DOI: 10.1016/j.enconman.2017.08.035

Conference Proceedings

- Formation of defect free Polysulfone /ZIF-8 hollow fiber membranes for Gas Separation** 2018
Imran Ullah Khan Mohd Haiz Dzarfan Othman A.F Ismail Haslenda Hashim Junaha Jaafar Mukhlis A.Rehn
National Congress on Membrane Technology (NatCoM 2018), res.country(157,)
Citations: N/A
DOI: N/A
- Improvement of CO₂ adsorption on ZIF-L particles by increasing basicity of surface at high temperature** 2017
Imran Ullah Khan Mohd Hafiz Dzarfan Othman A.F. Ismail N. Ismail Juhana Jaafar Haslenda Hashim Mukhlis A. Rahman Asim Jilani
Regional post-graduate conference on environmentally sustainable Technology(RCET 2017), res.country(157,)
Citations: N/A
DOI: 10.1016/j.matchar.2018.01.003
- Rapid Synthesis and Characterization of Leaf like Zeolitic Imidazolate Framework** 2017
Imran Ullah Khan Mohd Haiz Dzarfan Othman Juhana Jaafar Haslenda Hashim Ahmad Fauzi Ismail Mukhlis A Rahman Norafiqah Ismail
The 2nd International Conference On Separation Technology 2017 (ICOST 2017), res.country(157,)
Citations: N/A
DOI: 10.17576/mjas-2018-2203-24