

sana yaqub

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Contact:



About

Dr. sana yaqub is working as Assistant Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. sana yaqub has a PhD in Chemical Engineering. Dr. sana yaqub has published 13 research articles & conference papers having a citation count of 273, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Chemical Engineering Universiti Teknologi Petronas , Malaysia	2017 - 2021
MS in Chemical Engineering Universiti Teknologi Petronas , Malaysia	2013 - 2016
B.Sc (Hon) in Chemical Engineering UET Lahore , Pakistan	2008 - 2012

Experience

Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2024- Present
Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2023 - 2024
Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2022 - 2023
Graduate Research Assistant Universiti Teknologi Petronas , Universiti Teknologi Petronas, Malaysia	2013 - 2014

Research Projects

National Projects	
Prototype development of smog free tower for sustainable urban environment Funding Agency: Pakistan Academy of Sciences Amount: PKR 13,579,283.00 Status: Approved_inprocess	2025

International Projects

Industry Projects

National Projects	
Techno-Economic Assessment Study of Coal Gasification Project for Thar Coal Client: Policy Research Institute For Equitable Development (PRIED) Amount: PKR 1,350,000.00 Status: Approved_inprocess	2023

International Projects

- Parametric analysis and prototype development of smog-free tower for sustainable urban environment** 2025
Muhammad Hamza sana yaqub Majid Ali Mustafa Anwar Abeera Ayaz Ansari Qazi Shahzad Ali Awais Bokhari Muhammad Murtaza Separation and Purification Technology, Volume 362, Part 2, Article Number 131776
Impact Factor: 8.100 | **Quartile:** 1
DOI: <https://doi.org/10.1016/j.seppur.2025.131776>
- Hybrid thermal management of Li-ion battery pack: An experimental study with eutectic PCM-embedded heat transfer fluid** 2024
Aamir Khan Majid Ali Sana Yaqub Hassan Abdullah Khalid Rao Rumman Ullah Khan Kashif Mushtaq Hassan Nazir Zafar Said Journal of Energy Storage, Volume 77, Article Number 109929
Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 20
DOI: doi.org/10.1016/j.est.2023.109929
- Effect of surfactants on the stability and thermophysical properties of Al₂O₃+TiO₂ hybrid nanofluids** 2023
Abdul Rehman Sana Yaqub Majid Ali Hassan Nazir Nadia Shahzad Sehar Shakir Rabia Liaquat Zafar Said Journal of Molecular Liquids, Volume 391, Part B, Article Number 123350
Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 31
DOI: <https://doi.org/10.1016/j.molliq.2023.123350>
- Methane and Carbon Dioxide Hydrate Formation in the Presence of Metal-Based Fluid** 2022
Omar Nashed Behzad Partoon Bhajan lal Khalik Mohamad Sabil Sana Yaqub Azmi Mohd Shariff Materials, Volume 15(23), Article Number 8670
Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 2
DOI: [10.3390/ma15238670](https://doi.org/10.3390/ma15238670)
- Effect of biopolymers and their mixtures with glycine on the formation kinetics of methane hydrates** 2022
Sana Yaqub HayThi Ko Ko Bhajan lal Muhammad Murtaza Cornelius B.Bavoh Journal of Molecular Liquids, Volume 366, Article Number 120345
Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 3
DOI: <https://doi.org/10.1016/j.molliq.2022.120345>
- Thermodynamic and kinetic effect of biodegradable polymers on carbondioxide hydrates** 2019
Sana Yaqub Bhajan lal Lau Kok Keong Journal of Industrial and Engineering Chemistry, Volume 79, Pages 131-145
Impact Factor: 5.278 | **Quartile:** 1 | **Citations:** 35
DOI: <https://doi.org/10.1016/j.jiec.2019.06.017>
- Unraveling the effect of sub-cooling temperatures on the kinetic performance of biopolymers for methane hydrate** 2019
Sana Yaqub Bhajan lal Azmi bin Mohd Shariff Nurhayati Bt. Mellon Journal of Natural Gas Science and Engineering, Volume 65, Pages 68-81
Impact Factor: 3.841 | **Quartile:** 2 | **Citations:** 25
DOI: <https://doi.org/10.1016/j.jngse.2019.03.002>

Conference Proceedings

Effect of Inulin on the Formation Kinetics of Methane Hydrate

2020

Sana Yaqub Dr Bhajan Lal Abdullah Al-Mubarak B Md Jalil Arul Bharti
3rd International Conference on Separation Technolog, res.country(157,)

Citations: N/A

DOI: 10.1007/978-981-16-0742-4_27

Effect of The natural Green Materials on Methane Hydrate Formation Kinetics

2018

Bhajan Lal Nurhayati Bt. Mellon Suriati binti Sufian Sana Yaqub
International Conference on Process Engineering and Advanced Materials (ICPEAM2018), res.country(157,)

Citations: N/A

DOI: 10.1088/1757-899X/458/1/012074

Experimental Equipment Validation for Methane (CH₄) and Carbon Dioxide (CO₂) Hydrates

2017

Muhammad Saad Khan Sana Yaqub Naathiya Manner Nur Ani Karthwathi Ali Qasim Nurhayati Binti Mellon Bhajan Lal
3rd International Conference on Science, Technology, and Interdisciplinary Research (IC-STAR), res.country(100,)

Citations: 21

DOI: 10.1088/1757-899X/344/1/012025

Editorial Activities

Asia-Pacific Journal of Chemical Engineering

2022

Reviewed Papers for Journals

Impact Factor: 1.77