

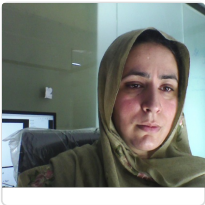
Yusra Sajid Kiani

Assistant Professor

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About

Dr. Yusra Sajid Kiani is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Yusra Sajid Kiani has a PhD in Computational Sciences and engineering. Dr. Yusra Sajid Kiani has published 10 research articles & conference papers having a citation count of 77, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computational Sciences and engineering NUST, Islamabad , Pakistan	2012 - 2020
MS in Bioinformatics International Islamic University , Pakistan	2009 - 2012
BS in Bioinformatics International Islamic University , Pakistan	2005 - 2009

Experience

Assistant Professor School of Interdisciplinary Engineering & Sciences	2025- Present
Temporary Visiting Faculty School of Interdisciplinary Engineering & Sciences	2023 - 2023
Temporary Visiting Faculty School of Interdisciplinary Engineering & Sciences	2022 - 2023
Assistant Professor School of Interdisciplinary Engineering & Sciences	2022 - 2022
Assistant Professor Research Centre for Modelling & Simulation	2021 - 2022
.NA NA , NA	2022 - 2022

Research Articles

- Atomic-level investigation of KCNJ2 mutations associated with ventricular arrhythmic syndrome phenotypes** 2025
Yusra Sajid Kiani Saba Munawar Corey L. Anderson Ryan Woltz Louise Reilly Nipavan Chiamvimonvat Lee L. Eckhardt
Scientific Reports , Volume:15, Issue:1, Article Number: 11290
Impact Factor: 3.800 | **Quartile:** 1
DOI: doi.org/10.1038/s41598-025-95062-2
- Identification and Empiric Evaluation of New Inhibitors of the Multidrug Transporter P-Glycoprotein (ABCB1)** 2023
Yasmeen Cheema Yusra Sajid Kiani Kenneth J. Linton Ishrat Jabeen
International Journal of Molecular Sciences , Volume 24, Issue 6, Article Number
Impact Factor: 6.208 | **Quartile:** 1 | **Citations:** 5
DOI: 10.3390/ijms24065298
- Decoding the Role of Epigenetics in Breast Cancer Using Formal Modeling and Machine-Learning Methods** 2022
Ayesha Asim Yusra Sajid Kiani Muhammad Tariq Saeed Ishrat Jabeen
Frontiers in Molecular Biosciences , Volume 9, Article Number 882738
Impact Factor: 6.113 | **Quartile:** 1
DOI: doi: 10.3389/fmolb.2022.882738
- Lipophilic Metabolic Efficiency (LipMetE) and Drug Efficiency Indices to Explore the Metabolic Properties of the Substrates of Selected Cytochrome P450 Isoforms** 2020
Yusra Sajid Kiani Ishrat Jabeen
ACS Omega , Volume 5(1), Pages 179-188
Impact Factor: 3.512 | **Quartile:** 2 | **Citations:** 28
DOI: https://doi.org/10.1021/acsomega.9b02344
- Molecular Dynamics Simulation Framework to Probe the Binding Hypothesis of CYP3A4 Inhibitors** 2019
Yusra Sajid Kiani Kara E. Ranaghan Ishrat Jabeen Adrian J. Mulholland
International Journal of Molecular Sciences , Volume 20, Issue 18, Article Number 4468
Impact Factor: 4.556 | **Quartile:** 1 | **Citations:** 24
DOI: https://doi.org/10.3390/ijms20184468
- Exploring the Chemical Space of Cytochrome P450 Inhibitors Using Integrated Physicochemical Parameters, Drug Efficiency Metrics and Decision Tree Models** 2019
Yusra Sajid Kiani Ishrat Jabeen
COMPUTATION , Volume 7, Issue 2
Impact Factor: 0 | **Citations:** 6
DOI: 10.3390/computation7020026
- Molecular docking simulations and GRID-independent molecular descriptor (GRIND) analysis to probe stereoselective interactions of CYP3A4 inhibitors** 2017
Sadia Mukhtar Yusra Sajid Kiani Ishrat Jabeen
Medicinal Chemistry Research , Volume: 26 Issue: 10 Pages: 2322-2335
Impact Factor: 1.607 | **Quartile:** 4 | **Citations:** 10
DOI: 10.1007/s00044-017-1933-7

Book Chapters

- Predictive Tox-21 Methods for Assessing Emerging Pollutants in the Marine Environment** 2025
Yusra Sajid Kiani
In: *Recent Trends in Marine Toxicological Assessment*, 1st Edition, Chapter 16, Pages 403-442
Citations: N/A
DOI: https://doi.org/10.1007/978-3-031-75713-6_16
- Challenges of Protein-Protein Docking of the Membrane Proteins** 2024
Yusra Sajid Kiani Ishrat Jabeen
In: *Book on Protein-Protein Docking: Methods in Molecular Biology*, Chapter 12, Volume:2780, Page:203-255
Citations: 2
DOI: 10.1007/978-1-0716-3985-6_12