

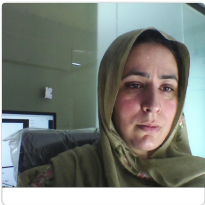
Yusra Sajid Kiani

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