

Dr. Rida Fatima Saeed

Associate Professor (Tenured)

rida.saeed@numspak.edu.pk

ORCID ID: <https://orcid.org/0000-0003-1577-1062>

Google Scholar: <https://scholar.google.com/citations?user=CtnIKewAAAAJ&hl=en>



Profile

Dr. Rida Fatima Saeed is a qualified biochemist and molecular biologist. She is working as an associate Professor in the Department of Biological Sciences at the National University of Medical Sciences (NUMS), Rawalpindi, Pakistan. She holds a BSc in Biochemistry and an MSc in Bioscience from the University of Leeds, United Kingdom, and completed her PhD in Biochemistry and Cancer Biology in 2016 at the University of Bradford, UK. She has over nine years of experience in teaching and research interests include biochemistry, biotechnology, cancer diagnostics and therapeutics, biomarker discovery, nanobiotechnology, phytochemistry, and zero-waste approaches. She serves as an editorial board members and peer reviewer for multiple recognized scientific journals. She has also been awarded research grants focused on the green synthesis of nanoparticles and the implementation of zero-waste practices. She teaches undergraduate and postgraduate courses, supervises BS and MPhil research, and contributes to curriculum development, assessment design, and research mentoring.

Research Interest

Biochemistry, Cancer biology, Nanobiotechnology, Molecular biology, Cancer Biomarkers

Selected Publications

Tabassum, S., Ali, J. S., **Saeed, R. F.**, Asghar, M., Akhtar, M., Ahmad, A. M. R., & Zia, M. (2025). Bioactivity-Directed Isolation of Anticancer Constituents from Underexplored Folklore: *Rhus punjabensis* Stewart. *Molecules*, 30(22), 4339.

Mehreen, A., Batool, F., Awan, U. A., Aslam, S., Haider, A., Ullah, M., ... **Saeed, R. F** & Naeem, M. (2025). Efficacy and safety of cyclosporine in colitis: An updated meta-analysis of randomized control trials (1998 to 2024). *Inflammopharmacology*, 33(11), 6931-6941.

Mehreen, A., Batool, F., Awan, U. A., Shabnam, N., Haider, A., Aslam, S., ... & **Saeed, R. F.** (2025). Evaluating the efficacy of nano-cyclosporine A in mice model of ulcerative colitis: a meta-analysis. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(7), 8813-8823.

Shah, S. A. R., Abbasi, S. W., **Saeed, R. F.**, Sharif, S., & Nayila, I. (2025). In Silico SNP Analysis and 3D Structure Prediction of Human ERG Proto-Oncogene. *Current Cancer Drug Targets*.

Awan, U. A., Raza, A., Ali, S., **Saeed, R. F.**, & Akhtar, N. (2020). Doxorubicin loaded gold nanorods: A multifunctional chemo-photothermal nano-platform for cancer management. *Beilstein Arch*, 2020, 98.

Grants/Awards/Achievements

Conjugation of Green synthesized zinc oxide nanoparticles using *Monotheca Buxilifolia* with vitamin C and its potential biological applications, NUMS-IRF, [PI, 0.66M PKR, Completed]

Implementation of zero waste practices in campuses and beyond -fulfilling social responsibilities through action potential, NUMS-IRF, [Co-PI, 0.55M PKR, on-going]

Synthesis of polymer embedded nanofiber filters to eliminate microbial and metallic containment form water, NUMS-TIFF, [Co-PI, 4M PKR, on-going]

Member of Society of Medical Oncology (Pakistan), American Society for Biochemistry and Molecular Biology, British Society of Nanomedicine and American Chemical Society.