

Name: Dr. Arooj Shafiq
Designation: Assistant Professor, Department of Biosciences &
Dean, Faculty of Sciences
Qualifications: Ph.D. (Biochemistry) University of Cambridge, UK
B.Sc. (Biochemistry) University of the Punjab, Lahore, Pakistan
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Profile:

Dr. Arooj Shafiq, Assistant Professor, is an experienced, knowledgeable teacher and protein biochemist with expertise in molecular biology, protein expression, purification, structures. She completed Ph. D. in Biochemistry from University of Cambridge, UK. Her doctoral thesis involved NMR structure determination and dynamics of Ras superfamily proteins, RalA and RalB. She was awarded prestigious Cambridge Commonwealth, European and Overseas Trust/ HEC (Pakistan) merit scholarship for her doctoral studies. Her current research activities involve structural informatics and cancer research. She has presented her research at various international conferences and published in International Journals.

Before her doctorate, she was associated with the Lahore University of Management Sciences (LUMS) as a research and teacher associate for 3 years. She completed her B.Sc. (Hons.) in Biochemistry from University of the Punjab and was awarded Gold Medal for her 1st Position. She has been a merit scholarship holder throughout her studies.

Research Interest:

1. Structural Biology
2. Cancer Research
3. Structural informatics
4. Protein biochemistry
5. Biochemistry of Infectious & noncommunicable diseases

Selected Publications:

1. **Shafiq, A.**, Campbell, L.J., Owen, D. and Mott, H. 2020. "NMR resonance assignments for the active and inactive conformations of the small G protein RalA." *Biomolecular NMR Assignments*, doi: 10.1007/s12104-019-09925-7.
2. **Shafiq, A.**, Suleman, A., Faiz, S., Farooq, O., Arshad, A., Tehseen, M., Loya, A., Siddiqui, N., Moore, J., and Rehman, F.K. 2020. "Soluble Galectin-3 predicts prognosis and positive response to chemotherapy in Breast cancer patients" *International Journal of Breast Cancer*, vol. 2020, Article ID 4824813, 11 pages, 2020. <https://doi.org/10.1155/2020/4824813>.
3. Campbell, L.J., Peppas, M., Crabtree, M.D., **Shafiq, A.**, McGough, N.F., Mott, H.R., and Owen, D. 2015. Thermodynamic Mapping of Effector Protein Interfaces with RalA and RalB. *Biochemistry*, 54, 1380-1389.