

Name: Tehseen Nawaz
Designation: Lecturer
Qualifications: MSc (Microbiology), M. Phil (Microbiology)
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Profile:

Mr. Tehseen Nawaz, Lecturer, has been teaching Microbiology, Chemistry, Biochemistry, Enzymology and Virology courses. He has strong desire to make contributions in the development of scientific knowledge for the betterment of mankind. He completed M. Phil. research in Microbiology from University of Karachi. His work was on the screening of flavonoid compounds for their antiviral activities against avian influenza virus (AIV). He also served as Research Assistant at University of Karachi, and Scientific Officer at Dow University of Health Sciences during postgraduate studies. He wrote a 6-credit hour Master thesis and worked on the development of a simple diagnostic test to detect Rheumatoid Factor in rheumatoid arthritis patients. He learned several techniques including DNA/RNA/Plasmid extraction, PCR, gel electrophoresis, SDS-PAGE, bacterial and mammalian cell transformation, polyclonal anti-sera development using mice & rabbit models, antibody purification, virus isolation, identification, cell culture based cytotoxicity and antiviral assays. He is a member of several professional organizations and achieved a numerous travel grant awards to participate national and international scientific programs.

Research Interest:

1. Immunology and Virology.
2. Host-pathogen interaction,
3. Molecular mechanism of drug resistance and
4. Control & prevention of RNA viruses.

Selected Publications:

- Khan FZ, Nawaz T, Mirani ZA, Khan S, Raza Y, Kazmi SHU. Study of class 1 integrons in multidrug-resistant uropathogenic *Escherichia coli* isolated from different hospitals in Karachi. Iran J Basic Med Sci 2018; 21:1079-1082. doi: 10.22038/IJBMS.2018.28807.6966