

HAFIZ SUBOOR UL HASSAN

Senior Scientific Officer

College of Medical Laboratory Technology, National Institute of Health, Islamabad

PERSONAL INFORMATION

Date of Birth: 16-02-1994
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EDUCATION

University of the Punjab, Lahore	In-Progress
PhD Microbiology and Molecular Genetics	
University of the Punjab, Lahore	2016
MS Microbiology and Molecular Genetics	
Dissertation: Genetic association between SNPs and lactose intolerance	
University of Agriculture, Faisalabad	2014
BSc (Hons) Microbiology	

PROFESSIONAL EXPERIENCE

Campaign Filling Facility, Biological Production Division, National Institute of Health, Islamabad

- PakVac covid vaccine production
- Over 20 million doses
- May, 2021 to April, 2022

Sera Processing Lab, Biological Production Division, National Institute of Health, Islamabad

- Anti-snake venom serum and anti-rabies serum production
- January, 2018 to December, 2023

College of Medical Laboratory Technology, National Institute of Health, Islamabad

- Various courses related to Molecular Biology, Genetics and Immunology
- Supervised 30+ BS research students
- January, 2018 to present

PUBLICATIONS

- Genetic Association of LCT-13910C/T and LCT-22018G/A with Adult Type Hypolactesia in Pakistan

- Climate change impact uncertainty assessment and adaptations for sustainable maize production using multi-crop and climate models
- A review on modern patterns toward treatment of infective diseases in the antibiotic-resistant era by utilizing nanoparticles
- An optimized method of IgG's precipitation with ammonium sulphate from hyper immune horse plasma for snake anti venom production
- Growth enhancement of maize by the use of selenium resistant bacteria under selenium stress
- Development of the First Specific Antivenom for Sindh Krait: Addressing a Neglected Health Threat in South Asia
- Lethal dose (LD₅₀) of the big four snakes-a mini review
- Sero-Prevalence of Helicobacter pylori among Asymptomatic Individuals in District Mandi Bahauddin and Gujrat, Pakistan: An Epidemiological Study Assessing Associated Risk Factors (accepted)

PROFESSIONAL TRAININGS/COURSES

Training Name: Field Epidemiology and Lab Training Course

Training Organization: Field Epidemiology and Lab Training Program, NIH Feb, 2018

Training Name: Lab Quality Management System

Training Organization: World Health Organization, Pakistan 30 Jul-01 Aug, 2018

Training Name: Internal Auditor Training of ISO 9001:2015 Quality Management System

Training Organization: Integrated Professional Solution, Islamabad 02-03 May, 2018

Course Name: Project Management

Training Organization: Pakistan Planning and Management Institute 29-31 Oct, 2018

Course Name: Lead Auditor Course of ISO 9001:2015 Quality Management System

Training Organization: Hong Kong Veritas UK 25-29 Sep, 2018

Course Name: Lead Auditor Course of ISO/IEC 17025:2017 Laboratory Quality Management Systems

Training Organization: Hong Kong Veritas UK 27-31 May, 2019

Course Name: Cell Biology and Recombinant DNA Technology - WHO course

Training Organization: NIBRT Online Academy 13 October, 2023

Course Name: Overview of Biopharmaceutical Manufacturing - WHO course

Training Organization: NIBRT Online Academy 16 October, 2023

Course Name: Biotechnology and Biopharmaceuticals - WHO course

Training Organization: NIBRT Online Academy 23 November, 2023

Course Name: Aseptic Processing: Gowning - WHO course

Training Organization: NIBRT Online Academy

23 November, 2023

Course Name: Formulation in the Biopharmaceutical Industry - WHO course

Training Organization: NIBRT Online Academy

28 November, 2023

Course Name: Process Validation 1: Process Design - WHO course

Training Organization: NIBRT Online Academy

13 December, 2023

Course Name: RIGHT Foundation's Vaccine Biomanufacturing Course

Training Organization: K-NIBRT, South Korea

20 May-03 August, 2024

PRESENTATIONS

Presentation Title: Variations in composition of snake venom

Name of Conference /Workshop: Workshop on snake venom proteomics; National Institute of Health Islamabad

September 22, 2021

Presentation Title: Antivenom Manufacturing in Pakistan

Name of Conference /Workshop: International Conference on Snakebite Management in Pakistan 2024; Combined Military Hospital, Mangla Cantt, Pakistan

June 8, 2024