

Dr. NAZIR AHMED LONE

PhD; Post-doc (Fulbright Alumni, USA)
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<https://scholar.google.com/citations?hl=en&user=Mz6GTy8AAAAJ>

Research Interest

Molecular Virology, Immunology and Vaccinology particularly development and efficacy of vaccines against Infectious viral diseases of pandemic importance.

Profile

Dr. Nazir Ahmed is an experienced virologist and obtained more than two decades of professional work experience of serving academia, health department, research & development organizations, national food security, regulatory affairs and biotechnology industry at Global level including Pakistan, China and North America. He obtained rich experience of research and development, supervision, management, monitoring and evaluation, budgeting, staffing, coordination, developing linkages and has tacit knowledge of scientific innovations particularly vaccine development, value addition, commercialization, leadership qualities, networking ability, entrepreneurial spirit.

Dr. Ahmed is a recognized supervisor of HEC for PhD and conducted / supervised various research projects at international level. His academic and research expertise are on emerging infectious viral pathogens, molecular diagnosis and epidemiological studies and intervention strategies particularly development, efficacy and use of vaccines and vaccination programs and he got publications in international prestigious journals at his credit.

Currently Dr. Ahmed is working as an Associate Professor Immunology and Virology, Department of Biological Sciences, National University of Medical Sciences (NUMS), Islamabad.

Dr. Ahmed is member of many professional organizations including American Society for Microbiology (ASM), American Biological Safety Association (ABSA), Pak-US Fulbright Alumni Network and lifelong member of Pakistan Biological Safety Association (PBSA).

Dr Ahmed contributes to curriculum development, outcome-based assessment design, and research mentoring, with a strong focus on scientific rigor and student-centered learning. His work supports translational research addressing biotechnology, health, food security, impact of climate change on sustainable development.

Selected Publications

- ✓ Nazir Ahmed Lone, Erica Spackman and Darrell R. Kapczynski (2017). Immunologic evaluation of 10 different adjuvants for use in vaccines for chickens against highly pathogenic avian influenza virus. *Vaccine* (2017). <http://dx.doi.org/10.1016/j.vaccine.2017.05.010>.
- ✓ Shafqat Fatima Rehmani, Abdul Wajid, Tasra Bibi, Bushra Nazir, Nadia Mukhtara ,Abid Hussainc, Nazir Ahmad Lone, Tahir Yaquba,b, Claudio L. Afonso (2015). Presence of Virulent Newcastle Disease Virus in Vaccinated Chickens Farms in Pakistan. *J. Clin. Microbiol.* Doi:10.1128/JCM.02818-14.
- ✓ Johar Hussian, Faiz Muhammad, Shafqat Fatimah Rehmani, Aqeel Ahmad, Nazir Ahmad Lone, Moomal Bughio , Syed Khurram Freed and Shakeel Ahmed Khan (2021). An Improved Hemagglutination Inhibition test for rapid diagnosis and Stereotyping of avian infectious bronchitis virus. *Pakistan J. Zool.*, pp 1-4, 2021.
- ✓ Wasilenko, Jamie; Pantin- Jackwood, Mary; Khan Taseer Ahmed; Ayaz, Ahmed; Rehmani, Shafqat; Lone, Nazir, Ahmed; Swayne, David and Erica, Spackman (2012). Characterization of H5N1 highly pathogenic avian influenza viruses isolated from poultry in Pakistan 2006-2008. *Virus Genes.* 44 (2): 247–252.
- ✓ Nazir A. Lone, Shafqat F. Rehmani, Shahana U. Kazmi, Rana Muzafar and Shakeel. A. Khan 2009. Molecular Characterization of Pakistani Field Isolates of Infectious Bursal Disease Virus (IBDV). *Avian Diseases* 53 (2): 306-309.

Grants/Awards/Achievements

- ✓ Assessment of COVID-19 Pandemic Response in Pakistan: Review of Monitoring and Evaluation Systems, WHO, Worth 9000 USD, 2025.
- ✓ Completed a collaborative research project on Highly Pathogenic Avian Influenza Viruses in Chicken at USDA, USA during postdoctoral training and developed efficacious vaccines against AIVs and published in a high indexed journal “Vaccine”.
- ✓ Awarded Fulbright Postdoctoral Scholar Award, 2013-14 (Fulbright Program, CIES-(USA)
- ✓ Awarded training program grant on “Biosafety and Biosecurity” at Bangkok, by CRDF / BEP, USA.
- ✓ Awarded various training and international travel grants for participation in International Scientific Conferences including CRDF/ BEP.
- ✓ Awarded HEC Scholarship for completion of M.S Studies.
- ✓ Editor at International Journal of Vaccines and Vaccination
- ✓ Member editorial committee, EC- Microbiology (Open access International Journal).