

Curriculum Vitae

Dr. Muhammad Ali

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Date and Place of Birth: December 25, 1978; Lahore, Pakistan
Marital Status: Married
Nationality: Pakistani

EDUCATIONAL QUALIFICATIONS:

Sr. #	Academic Institution	Degree/ Certificate	Year	Subject
1	Govt. Central Model High School Lower Mall Lahore	Matric	1994	Science
2	Govt. Islamia College, Civil Lines, Lahore	FSc.	1996	Pre Medical
3	Univ. of Agriculture, Faisalabad	DVM	2000	Veterinary Sciences
4	Univ. of Veterinary & Animal Sciences (UVAS), Lahore	M.Sc. (Hons.)	2002	Clinical Medicine & Surgery

POSTGRADUATE RESEARCH:

M.Sc. Thesis (Year)	University	Title
Clinical Medicine (2002)	Univ. of Vety & Animal Sciences Lahore	Comparative efficacy of Herbal, Homoeopathic & Standard drugs against Coccidiosis in Broilers

EMPLOYMENT RECORD:

- **Research Officer-BS-18, School of Biological Sciences. University of the Punjab, From 01-06-2015 to date.**
- **Research Officer-BS-17, School of Biological Sciences, University of the Punjab, From 01-09-2008 to 31-05-2015.**
- **Research Assistant, School of Biological Sciences, University of the Punjab, From 08-12-2003 to 31-08-2008.**

Job Responsibilities Executed:

- Management of Laboratory animals, Production of Polyclonal antibodies against Egg White Lysozyme, Oval albumin, Lysozyme, Human Serum Albumin, Bovine Growth Hormone, Human Insulin & Proinsulin & its Derivatives, Hepatitis B (Pre.S) Region, Mycobacterium Tuberculosis its Derivatives, Acetyl Cholinesterase, Placental Lactogen, Cryoprotein (Insect Gut). Hepatitis C, Wrinkle Cotton Transcription factor Protein, Epidermal Growth Factor, Dengue Viral Protein Recombinant Human Interferon Alpha-2b derivative, Serum Amyloid P component, Adenovirus-vectored SARS-CoV-2 vaccines, Sugarcane Mosaic Viral Protein and Drosophila Protein in Laboratory Animals.

- Assessment of Biological activity of Human G – CSF (Granulocyte Colony Stimulating Factor) in Mice.
- Lipopolysaccharide treatment to study Neuroinflammation in Mice.
- Preventive Efficacy of dietary fibers against NSAID-induced enteropathy in Swiss Webster Mice.
- Bioassay of various drugs e.g Human Insulin & Proinsulin and its derivatives, Human interferon alpha – 2b derivatives etc in Laboratory animals.
- Infectious Bursal disease (Gumboro) & Hydropericardium Syndrome infectivity in Non Vaccinated Broiler chickens.
- Experience of Farm Manager at Famous Poultry Breeding Company (Supreme Farm), Sharaqpur Road, Sheikhpura.
Preparation of House Building, Care & Management of Birds, Cleaning & Disinfection of Farm's Shed, Following the Vaccination Schedule, Control the body weight & flock grading, Collection, Disinfection and then Transportation of eggs from Farm to Hatchery, Updating Records eg; Mortality Reports, Egg production Reports, Weekly production Report, Monthly Production Report, Analyzing data.

TRAINING/COURSES/CERTIFICATES/WORKSHOPS:

- **Workshop on Principles of Immunoassay for Diagnostic use**, jointly organized by HEC–British Council link Project at SZMC, Lahore, from 15 – 18 May 2006.
- Workshop “**Pharmacokinetics of Drugs**” by Pharmacology Section, CVS, Lahore, June 15-20, 2001.
- **MS Office Computer Course** by Dept. of Mathematics, University of the Punjab, Lahore (2001).
- **Fluent Speaking English Course**, by Kipling Centre, Lahore, Pakistan, (1998)
Two Years Certificate of Service by **The National Cadet Corps**, Lahore, (1995-1996).
- **Distinction certificate of School Badminton team player in 1994.**

PARTICIPATION IN SEMINARS/CONFERENCES:

- Organizer of National Workshop on Recombinant Protein Production & Purification, School of Biological Sciences, University of the Punjab. Nov.06- 11, 2017.
- Seminar on the Cell phone and Cancer held at undergraduate block, University of the Punjab, Lahore, 29th March, 2013.
- Seminar on the Virology and Pathogenesis of Dengue at Department of Zoology, University of the Punjab, Lahore, 27th March 2013.
- International Conference on Glycoprotein in Health and Diseases, School of Biological Sciences, University of the Punjab, Lahore, May 27 to 29, 2008.
- Biomarker Measurement in Complex Matric at School of Biological Sciences, University of the Punjab. April 25-26, 2007.
- FAOBMB Symposium, Lahore, Pakistan, Nov. 20-23, 2005.
- 25th Annual “All Pakistan Pathological Conference” held at KE Medical College (KEMC) Lahore, Dec.2001.
- **Natl. Seminar/workshop on Good Prescribing Practices, Good Clinical Practices, Rational use of Drugs and Adverse Drugs Reaction’** organized by Ministry of Health, Govt. of Pakistan and WHO held at KEMC, Lahore, Dec.21-22,2001.
7th Annual Pakistan Physiology Society Conference, held at KE Medical College, Lahore, June 2001.
- Comparative Grading of Meat Seminar delivered at Faculty of Veterinary Science, UAF, Pakistan

Research Papers (Publications):

- Sitara Nasar, Saima Iftikhar, Rida Saleem, Muhammad Shahid Nadeem and **Muhammad Ali**, 2024. The N and C - terminal deleted variant of the dengue virus NS1 protein is a potential candidate for dengue vaccine development. **Sci. Rep. Nature portfolio**: 14:18883.
- Faisal Masud, Tania A. Shakoori, Khadija Irfan Khawaja, **Muhammad Ali** and Fatima Ameer, 2016. Changes in body weight and lipid profile of mice treated with sodium butyrate and metformin. *Pak. J. Zool.* 48(5): 1343 – 1348.
- Amtul Jamil Sami, **Muhammad Ali** and Abdul Rauf Shakoori, 2014. Growth promoting activity of crude protein extract of ruminant placental peptides. *Pak. J. Zool.* 46(2): 580 – 583.
- Farheen Aslam, Qurra-tul Ann Afza Gardner, Hina Zain, Muhammad Shahid Nadeem, **Muhammad Ali**, Naem Rashid and Muhammad Akhtar, 2013. Studies on the expression and processing of human proinsulin derivatives encoded by different DNA construct. **Biochim. Biophys. Acta.** 1834: 2116 – 2123.
- Ume- Kalsoom Dar, Irfan Ullah Khan, Muhammad Javed, **Muhammad Ali**, Syed Waqar Hyder, Sohail Murad and Jamil Anwar, 2013. Development of 99m Tc-5-fluorouracil as a potential tumor diagnostic agent. *Pak. J. Pharm. Sci.* 26 (2): 333 – 337.
- Qaisar Nadeem, Irfan Ullah Khan. Muhammad Javed, Zaid Mahmood, Ume-kalsoom Dar, **Muhammad Ali**, Syed Waqar Hyder and Suhail Murad, 2013. Synthesis, Characterization and bioevaluation of technetium – 99m labeled N – (2 – Hydroxybenzyl) – 2 - amino – 2 – deoxy – D - glucose as a tumor imaging agent. *Pak. J. Pharm. Sci.* 26 (2): 353 – 357.
- Ume-kalsoom Dar, Irfan Ullah Khan, Muhammad Javed, **Muhammad Ali**, Syed Waqar Hyder, Sohail Murad and Jamil Anwar, 2013. In house development of 99m Tc – Rhenium sulfide colloidal nanoparticles for sentinel lymph node detection. *Pak. J. Pharm. Sci.* 26(2): 367 -373.
- Ume-Kalsoom Dar, Irfan Ullah Khan, Muhammad Javed, **Muhammad Ali**, Syed Waqar Hyder, Sohail Murad and Jamil Anwar, 2012. Radiolabeling and Bioevaluation of Dextran Cysteamine Mannose for Sentinel Lymph Node Detection. *J. Chem. Soc. Pak.* 34 (4): 856-860.
- Ume-Kalsoom Dar, Irfan Ullah Khan, Muhammad Javed, Fayyaz Ahmad, **Muhammad Ali** and Syed Waqar Hyder, 2012. Preparation and biodistribution in mice of a new radiopharmaceutical-technetium-99m labeled methotrexate, as a tumor diagnostic agent. **Hell. j. Nucl. Medi.** 15 (2): 120-124.
- Saima Mobeen, Irfan Ullah Khan, Fayyaz Ahmad, Muhammad Javed, **Muhammad Ali**, Ume Kalsoom Dar, Syed Waqar Hyder, Sohail Murad and Jamil Anwar, 2012. Synthesis, characterization and biodistribution of 99 mTc labeled Salicyldimethyl Propylenediamine complex as a lung Scintigraphic Agent. *J. Chem. Soc. Pak.*
- Aftab Ahmad, **Muhammad Ali** and Abdul Rauf Shakoori, 2012. Isolation and Culture of Cardiac Progenitor and Cardiomyocytes from Adult Mouse. *Pak. J. Zool.* 44(2): 511-516.
- **Muhammad Ali**, M.A. Khan, M.S. Khan, M. Younas and T. Abbas, 2005. Drugs trial and Comparative Efficacy of Herbal, and Homoeopathic Compounds with a Synthetic Commercial Standard Drugs against Coccidiosis in Broilers. *Proc. by Common Wealth Vet. Assoc. Lahore, Sept, 22- 23.*

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Pakistan Veterinary Medical Council (PVMC)
- Pakistan Veterinary Medical Association
- Zoological Society of Pakistan
- Pakistan Society of Veterinary Physiology