

CURRICULUM VITAE

Dr. Zaheer Ahmed Nizamani

Professor & Chairman,
Department of Veterinary Pathology
Faculty of Animal Husbandry & Veterinary Sciences
Sindh Agriculture University Tando Jam, 70060 Sindh, Pakistan.



PERSONAL INFORMATION:

Date of birth: 04/04/1974

Permanent address: Kaisrani Mohallah, Tando Kaiser, district & Tehsil Hyderabad, Sindh, PAKISTAN.

Postal address: Department of Veterinary Pathology
Faculty of Animal Husbandry & Veterinary Sciences
Sindh Agriculture University Tando Jam, postcode: 70060.

Contact no: Cell #: +92-3133776023

Email: zaheer5feb@yahoo.com
zanizamani@sau.edu.pk

TEACHING EXPERIENCE:

09/11/2021 to date **Professor**
Department of Veterinary Pathology,
Faculty of Animal Husbandry & Veterinary Sciences,
Sindh Agriculture University, Tando Jam, Pakistan

06/11/2015 to 08/11/2021 **Associate Professor**
Department of Veterinary Pathology,
Faculty of Animal Husbandry & Veterinary Sciences,
Sindh Agriculture University, Tando Jam, Pakistan

25/02/2011 to 05/11/2015 **Assistant Professor**
Department of Veterinary Pathology,
Faculty of Animal Husbandry & Veterinary Sciences,
Sindh Agriculture University, Tando Jam, Pakistan

06/01/2004 to 24/02.2011 **Lecturer**
Department of Veterinary Pathology,
Faculty of Animal Husbandry & Veterinary Sciences,
Sindh Agriculture University, Tando Jam, Pakistan

ADMINISTRATIVE PROFILE:

11/12/2015 to date	Chairman, Department of Veterinary Pathology, Faculty of Animal Husbandry & Veterinary Sciences Sindh Agriculture University, Tando Jam
29/03/2014 to 14/12/2015	In-charge Chairman Department of Veterinary Pathology, Faculty of Animal Husbandry & Veterinary Sciences Sindh Agriculture University, Tando Jam
11/12/2015 to date	Member Academic Council, SAU, Tando Jam
11/12/2015 to date	Member Senate, SAU, Tando Jam
02/03/2016 to 15/03/2017	Coordinator Postgraduate Program, Faculty of Animal Husbandry & Veterinary Sciences, Sindh Agriculture University, Tando Jam
02/03/2016 to 17/01/2018	Subject Editor (Animal & Veterinary Science Section), Pakistan Journal Of Agriculture, Agricultural Engineering And Veterinary Sciences (official journal of S.A.U Tandojam)
07/04/2014 to date	Member Faculty Board of Studies Faculty of Animal Husbandry & Veterinary Sciences, Sindh Agriculture University, Tando Jam
2013 to date	Member Department Boards of Studies Department of Veterinary Pathology Faculty of Animal Husbandry & Veterinary Sciences, Sindh Agriculture University, Tando Jam
2015 to date	Member Department Board of Studies, SAU Tando Jam Department Animal Nutrition Department of Poultry Husbandry Department of Veterinary Pharmacology Department of Physiology & Biochemistry
2015 to 2018	Member Department Board of Studies, Shaheed Benazir Bhutto University of Veterinary & Animal Sciences, Sakrand for departments of Veterinary Pathology, Microbiology & Parasitology.
2013 to 2016	Member Internship Committee Faculty of Animal Husbandry & Veterinary Sciences, Sindh Agriculture University, Tando Jam, Pakistan
20/03/2019 to date	Member, Ethics Committee for Animal Care and Use, SAU, Tando Jam.

ACADEMIC PROFILE:

2011	Ph.D, University of Montpellier-II, France Thesis title: <i>In vivo</i> delivery of siRNA and evaluation of its antiviral effect against Peste des petits ruminants virus (PPRV)
2007	Masters Science and Technology (research), University of Montpellier-II, France Thesis title: Study of immunomodulating properties of nucleoprotein of Peste des petits ruminants virus
2005	M.Sc.(Hons.) Veterinary Pathology (coursework only) Sindh Agriculture University, Tando Jam, Pakistan
1998	Doctor of Veterinary Medicine (D.V.M) Sindh Agriculture University, Tando Jam, Pakistan <u>First Position</u>

HEC RECOGNITION & PVMC REGISTRATION:

2011 to date	Higher Education Commission (HEC) recognized PhD supervisor
2011 to date (life-long registration)	Registered as RVMP with Pakistan Veterinary Medical Council
13/08/2018 to 12/08/2023	Registration as RVMF with Pakistan Veterinary Medical Council

RESEARCH PROFILE:

I. JOURNAL ARTICLES :

- Articles are enlisted according to following sequence: Impact factor Journals, HEC-Recognized local journals & other local/international journals.

S. No	Names of Authors	Titles of Research Papers	Name of Journal	Category of Journal		Year	Volume #	Page #
				Category of HEC recognized Journal	International ISI Indexed Journal			
1	Nizamani, Z. A. , Keil, G. M., Albina, E., Holz, C., Minet, C., Kwiatek, O., Libeau, G., and Servan de Almeida, R.	Potential of adenovirus and baculovirus vectors for the delivery of shRNA against morbilliviruses	Antiviral research	W	IF 4.308	2011	90	98-101
2	Nizamani, Z. A. , Servan de Almeida, R., Albina, E., Parveen, F., Libeau, G.	In vitro study of lymphotropic and immunomodulatory properties of the peste des petits ruminants virus (PPRV)	The Journal of Animal & Plant Sciences	W	IF: 0.407	2014	24(5)	1380-1387
3	Faisal, R., Nizamani, Z. A. , N.M Soomro., Afzal, F., Shaffi-ur-Rehman, Samo, F.	Susceptibility of Desi and commercial layer to low pathogenic avian influenza	The Journal of Animal & Plant Sciences	W	IF: 0.407	2014	24(6)	1643-1648
4	Parveen F., Nizamani Z.A. , Gan F., Chen X., Shi X., Kumbhar S., Zeb A. & Huang K	Protective Effect of Selenomethionine on Aflatoxin B1-Induced Oxidative Stress in MDCK Cells	Biological Trace Element Research	W	IF: 2.361	2014	157(3)	266-274
5	Nizamani A. W., O. Fumire, L. Forestier, S. Presciuttini, H. Leveziel, Z. A. Nizamani , A. Oulmouden	Post-transcriptional regulation of polymorphic Protease-Activated Receptor-2 (PAR-2) gene displaying correlation with skin pigmentation in cattle	The Journal of Animal & Plant Sciences	W	IF: 0.407	2014	24(1)	103-1012
6	Nizamani, A.R., Z. A. Nizamani. , Umrani, A.P., P.Dewani, M.A. Vandiar., N.M Soomro, J.A Gandahi	Prevalence of Peste des Petits Ruminants (PPR) virus antibodies in goat and sheep populations in Sindh, Pakistan	The Journal of Animal & Plant Sciences	W	IF: 0.407	2015	25(6)	1515-1519
7	Shahnawaz Kumbhar, Alam Z. Khan, Fahmida Parveen, Zaheer A. Nizamani , Farman A. Siyal, Mohamed E. Abd El-Hack, Fang Gan, Yunhuan Liu, Muhammad Hamid, Sonia A. Nido and Kehe Huang	Impacts of selenium and vitamin E supplementation on mRNA of heat shock proteins, selenoproteins and antioxidants in broilers exposed to high temperature	AMB Express	W	IF: 1.719	2018	8(1)	112

8	Ayoob, M. F., Nizamani, Z. A. , Kamboh, A. A., Ayoob, M., Vistro, W. A., & Baloch, A. S	Pathology of induced Velogenic Viscerotropic Newcastle Disease (VVND) in Japanese Quail and Myna	Pakistan Journal of Zoology	X	IF: 0.831	2021	53(2)	521- 527
9	Tarique, I., Shah, M.G., Kalhoro, I.B., Nizamani, Z.A. , Tariq, M., Gandahi, J.A., Fazlani, S.A. and Sahito, B.	Morphometric Analysis of Skin in Different Body Regions of Young and Adult Red Sindhi Cattle Bos indicus	Pakistan Journal of Zoology	X	IF: 0.831	2021		1-8
10	Soomro, Z.A., Nizamani, Z.A. , Kalhoro, N.H., Soomro, S.A., Yu, H., Chen, K., Tariq, M. and Vistro, W.A.	Studies on surveillance and pathology of <i>E. coli</i> infections in poultry in Sindh province of Pakistan	Fresenius environmental bulletin	Y	IF: 0.553	2021	30	8051- 8062
11	Channa, A. A., Tariq, M., Nizamani, Z. A. , Kalhoro, N. H.	Prevalence of avian influenza H5, H7 and H9 viruses in commercial layers in Karachi, Pakistan	Iranian Journal of Veterinary Research	X	IF: 1.376	2021	Accepted	doi: 10.220 99/ijvr. 2021.4 1104.5 964
12	Nizamani, GS, Nizamani ZA, Fahim A, Ujjan IU	Acute lymphoblastic leukemia: chromosomal abnormalities in childhood reporting at a tertiary care hospital of Sindh	Professional Medical Journal	X		2016	23(3)	312- 316.
13	Leghari, M.F., Z.A Nizamani, I.H. Leghari, T.M. Samo, A Sethar, F. Samo	Hemato-biochemical and pathological studies on induced Pastuerella multocida infection in Rabbits	Sindh University Research Journal (Science Series)	X		2016	48(3)	671- 674
14	Soomro, S.A., N.M Soomro., Z.A Nizamani. , N.H Kalhoro., and S. Bugchio	Comparative pathology of experimentally induced low pathogenic avian influenza (H7N3) infection in Chicken, Ducks and Quails	Pak. J. Agri., Agril. Engg., Vet. Sci.	Y		2016	32(2)	284- 294
15	Bateel Murree, Zaheer Ahmed Nizamani, Imdad Hussain Leghari, Noor Muhammad Soomro, Tariq Mansoor Samo, Fahmida Samo	Pathology and transmission of experimental Velogenic Viscerotropic Newcastle Disease in wild pigeons, broiler and Aseel chickens	Sci.Int. (Lahore)	Y		2016	28(4)	3965- 3971
16	Parveen, F., S. Parveen; Z.A. Nizamani. , D.H. Kalhoro., M. Tariq, R. Ahmed and K. Alam Zeb.	Beta-carotene Modulates Oxidative Stress-Induced Cell Apoptosis in MDCK Cells through Regulation of Bcl- 2mRNA and Caspase-3 Activities	Sci.Int. (Lahore)	Y		2016	28(4)	3919- 3924
17	Jahejo, A.R., N. Rajput, N. Muhammad, Shoaib Ahmed, Z.A. Nizamani, M. Tarique, A. A. Memon.	Effect of ascorbic acid in heat stressed broiler chickens of sindh zone	Sci.Int. (Lahore)	Y		2016	28(4)	4089- 4093

18	Riaz A.N., M. Jiskani, M.I. Khaskheli, M. Tarique, Z.A. Nizamani , M.H. Sahito	In vitro hemical control of <i>Fusarium oxysporium</i> (<i>F. s. citri</i>) causal agent of citrus decline	Sci.Int.(Lahore)	Y		2016	28(4)	4075-4078
19	MH Baloch, AH Shah, Z.A. Nizamani , MN Rajput, H Magsi	Physico-chemical and sensorial variation in camel milk produced at different zones of Sindh, Pakistan	Pure and Applied Biology	Y		2018	7(2)	625-634
20	MH Baloch, AH Shah, Z.A. Nizamani , MN Rajput, H Magsi	Socio-economic characteristics of camel farmers in different zones of Sindh, Pakistan	Pak. J. Agri., Agril. Engg., Vet. Sci.	Y		2018	34(2)	161-167
21	Channa, A. A., Kalhoro, N. H., Nizamani, Z. A. , Mangi, A. H., & Soomro, J.	Prevalence of Newcastle Disease Virus and Avian Influenza Virus (H7N3) in Poultry at Karachi	RADS Journal of Biological Research & Applied Sciences	Y		2020	11(1)	9-14
22	Channa, A. A., A. H. Mangi, N. H. Kalhoro, H. Soomro, Z. A. Nizamani, B. Rehman, and N. M. Mangi	Seroprevalence of infectious bursal disease (ibd) in layers at karachi during 2017-2019	Journal of Animal Health and Production	Y		2021	9(4)	352-356
23	Channa, A. A., Tariq, M., Nizamani, Z. A. , Kalhoro, N. H.	Prevalence of Avian Influenza H5, H7 and H9 viruses in commercial broilers at Karachi, Pakistan.	Journal of Animal Health and Production	Y		2021	Accepted	
24	Nizamani, Z. A. , C. Holz., D. Keita., G. Libeau., E. Albina., R. Servan de Almeida	RNA interference as antiviral therapy: dream or reality?	Virus Reviews and Research			2013	18(1-2)	1-23
25	Shaffi-ur-Rehman, Nizamani, Z. A. , Soomro N.M., Kalhoro N.H., Faisal, R	Velogenic viscerotropic Newcastle disease virus produces variable pathogenicity in two chicken breeds	Journal of Animal Health and Production			2014	2(4)	46-50
26	Shah, A.H., Shah M.G., Khan, M.S., Nizamani, Z.A. , Mirani, A.H., Soomro, A.H. Soomro, M. K., Shah, Saleha A. A. and Zunita Z	Occurrence of novel alleles and sequence types in <i>Arcobacter butzleri</i> .	Malaysian Journal of Veterinary Research			2014	5(1)	31-37
27	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z.A	Extent of extraneous water and detection of various adulterants in market milk at Mirpurkhas, Pakistan	Journal of Agriculture and Veterinary Sciences			2014	7(3)	83-89
28	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A.	Detection and Extent of extraneous water and adulteration in milk consumed at Hyderabad, Pakistan	Journal of Food and Nutrition Sciences			2014	2(2)	47-52
29	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A	Screening of adulterants and extent of added water in market milk at central zone of Sindh, PakistaN	IOSR Journal of Environmental Science, Toxicology and Food Technology			2014	8(7)	77-83

30	Kiani, F.A., A.B, Kachiwal., M.G, Shah, Z.A , Nizamani, F.M, Khand, G.M, Lochi, <i>et. al.</i>	Comparative Study on Midline and Flank Approaches for Ovariohystrectomy in Cats	J. Agric. Food. Tech			2014	4(2)	21-31
31	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A	Risk of adulteration in milk consumed at Shaheed Benazirabad district of Sindh.	International Journal of Adulteration			2015	1(1)	
32	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A.	Surveillance of milk adulteration and its impact on physical characteristics of milk	Advances in Biochemistry & Biotechnology			2015	1(1)	01-16
33	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A	Adulterated milk used for consumption in Thatta district of Sindh, Pakistan	American Journal of Agricultural Science			2015	2(3)	91-66
34	Mangi, M. H., Kamboh, A. A., Rind, R., Dewani, P., Nizamani, Z. A. , Mangi, A. R., and Vistro, W. A.	Seroprevalence of brucellosis in Holstein-Friesian and indigenous cattle breeds of Sindh Province, Pakistan	J. Anim. Health Prod			2016	3(4)	82-87
35	Mustafa, S., Khatri, P., Abro, S. H., Laghari, R. A., Nizamani, Z. A. , Bughio, S. and Abro, R	Effect of Exogenous Diethylstilbestrol on Semen Quality of Kundhi Buffalo Bull	Int. J. Livest. Res			2016	6 (2)	37-48
36	Abrar Ahmad, Rehana Shah Nawaz, Tofique Ahmed Qureshi, Zaheer Ahmed Nizamani , Naseem Rao, Muhammad Qasim, Akhtar Ali	Histopathological effect of Meloxicam (Preferential COX-2 inhibitor NSAID) on liver and kidney of Rabbit.	Int. J. Biosci.			2017	11(3)	148-158
37	Barham, G. S., Khaskheli, M., Soomro, A. H., & Nizamani, Z. A , Shah, A. H. & Khaskheli, G. B.	Frequent Supply of Adulterated Milk at Southern Zone of Sindh, Pakistan	HSOA Journal of Dairy Research & Technology			2018	1(1)	1-6

IV. SUPERVISION OF MPhil & PhD STUDENTS:

Degree program		Number of Scholars
PhD	Supervised	01
	Co-supervised	03
	Currently under supervision	03
MPhil	Supervised	11
	Co-supervised	52
	Currently under supervision	04

V. TECHNICAL SKILLS:

Molecular Biology: cloning, conventional and quantitative RT-PCR.

Histopathology: Preparation and staining of histological slides both manually and using automatic tissue processor, wax embedding system, and automatic slide stainers. Histopathological evaluation of tissue slides.

Hematology: Automatic hematology analyzer and automatic blood chemistry analyzer

Imaging: Flow cytometry, immunofluorescent microscopy, luminometry, and *in vivo* Bioluminescent Imaging (BLI) of mice with cooled charge-coupled device (CCD) camera.

Cell culture: Lymphocyte isolation, culture and stimulation with mitogens, culture of Vero, B95a, 293a and SF21 cell lines.

Virus culture in embryonated eggs: Culture of Avian influenza & Newcastle disease viruses in embryonated eggs

Transfectants: Liposome vector formulation, screening of liposomes and cell penetrating peptides for nucleic acids (pDNA, siRNA) delivery *in vitro* and *in vivo*.

Serology: c-ELISA, Virus Neutralization Test, Hemagglutination inhibition Assay

Experience of working with viruses: Adenoviruses, Baculoviruses, Morbilliviruses (Rinderpest virus & Peste des petits ruminants virus) and avian viruses (Avian influenza, Newcastle disease virus and Fowl Adenovirus type-4); including virus amplification, titration, & cytopathic effect evaluation.

- Use of Adenovirus and Baculovirus vectors for delivery of short hairpin RNAs for PPRV gene silencing.

- Baculovirus based expression of recombinant proteins.

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Experience of working with bacteria: Recombinant *Escherichia coli*, *Pasteurella multocida* and *Clostridium chauvoei*.

Biosafety: Experience of working in a Bio-safety Level (BSL)-2 and BSL-3 regulated laboratory & animal house.

Laboratory animal handling: Rabbits, guinea pigs, Balb/c and nude mice.