

Dr. BASIT ZESHAN

Ph. D (China), Post-Doc (China),
Assistant Professor of Microbiology, Gomal College of
Veterinary Sciences, Gomal University, DIKhan



Personal Information

Date of Birth	February 05, 1983
Qualification (last Degree with CGPA / %age)	Ph. D (86.2%)
Domicile	District Muzaffar-Garh, Punjab, Pakistan
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Academic Background (starts from highest qualification and go in descending order)

Degree	From-To	Field of study	Institution	%age / CGPA
Ph.D	2007-2010	Microbiology & Immunology	Nanjing Agricultural University, China	86.2
M.Phil	2004-2006	Microbiology	Quaid-E-Azam University, Islamabad	82
DVM	1999-2004	Veterinary Sciences	Gomal University, DIKhan	72.2
F.Sc	1997-1999	Pre-Medical	BISE, DGKhan	61
Matric	2004	Veterinary Sciences	BISE, DGKhan	73.2

Title of thesis with degree:

Ph.D degree (Microbiology & Immunology): Construction, immunogenicity and protective efficacy of the Spike glycoprotein (S1) of infectious bronchitis virus with a replication-defective adenovirus vector.

M.Phil degree (Microbiology): Comparative studies regarding vaccine type and routes of administration against hydropericardium syndrome in chickens.

Awards and Achievements:

- ❖ Postdoctoral fellowship of Southeast University, Nanjing China.
- ❖ Best international graduate award 2010, Nanjing Agricultural University, China.
- ❖ 2nd position award in DVM Session 2000-2004.

Employment History (starts from your recent job and go in descending order)

Name & Address of Employer	Position or Rank	From		To	
		Month	Year	Month	Year
Gomal University, DIKhan	Assistant Prof.	April	2013	To date	
Gomal University, DIKhan	Lecturer	April	2007	April	2013
School of Biological Science & Medical Engineering, Southeast University, China	Post-Doc	Jan	2011	Dec	2012
Nanjing Agricultural University, China	Research Associate	Sep.	2007	Dec	2010
Animal Health Institute, NARC Islamabad	Research Associate	June	2005	June	2006

Research Papers Published in Journals with Impact Factor (IF) Total Impact factor= 36

- [1] Sadaf A*, **Zeshan B***, Wang Z, Zhang R, Xu S, Wang C, Cui Y. 2012. Toxicity Evaluation of Hydrophilic CdTe Quantum dots and CdTe@SiO₂ Nanoparticles in Mice. J. Nanosci. Nanotech.12, 8287-8292. *Equal contributions (***IF 1.56**).
- [2] Sadaf A., **Zeshan B.**, Wang Z., Zhang R., Xu S., Wang C., Yang J., Cui Y. 2012. A Comparative Study of CdTe Quantum Dots and CdTe@SiO₂ Nanoparticles: Fabrication and Cytotoxicity in HEK-293 Cells J. Nanosci. Nanotech. 12, 6900-6906. (**IF 1.56**).
- [3] **Zeshan B.**, Mushtaq M.H., Xinglong W., Wenliang L., Jiang P. 2011. Protective immune responses induced by *in ovo* immunization with recombinant adenoviruses expressing Spike (S1) glycoprotein of infectious bronchitis virus fused/co-administered with granulocyte macrophage colony stimulating factor. Vet. Microbiol.148: 8-17 (**IF 3.32**).
- [4] **Zeshan B.**, Zhang L., Bai J., Xinglong W., Xu J., Jiang P. 2010. Immunogenicity and protective efficacy of a replication-defective infectious bronchitis virus vaccine using an adenovirus vector and administered *in ovo*. J Virol Methods 166:54–9 (**IF 2.0**).
- [5] Wang X., Li J., Jiang P., Li Y., **Zeshan B.**, Cao J., Wang X. 2009. GMCSF fused with GP3 and GP5 of porcine reproductive and respiratory syndrome virus increased the immune responses and protective efficacy against virulent PRRSV challenge. Virus. Res. 143:24–32. (**IF 2.94**).

- [6] Bai J., Jiang K., **Zeshan B.**, Wang X., Li Y., Ping J. 2011. Inhibition of encephalomyocarditis virus replication by shRNA targeting 1D and 3AB genes in vitro and in vivo. *Virus Genes* 44:183–90. (IF 1.84).
- [7] Bi Y., lu L., Li J., Yin Y., Zhang Y., Gao H., Qin Z., **Zeshan B.**, Liu J., Sun L., Liu W. 2011. Novel genetic reassortants in H9N2 influenza A viruses and their diverse pathogenicity to mice. *Virology* 438:505–512. doi:10.1016/j.virol.2011.07.015. (IF 2.34).
- [8] Zhang K, Wang Z, Liu X, Yin C, **Zeshan B.**, Xia B, Liu W. 2012. Dissection of Influenza A Virus M1 Protein: pH-Dependent Oligomerization of N-Terminal Domain and Dimerization of C-Terminal Domain. *PLoS ONE* 7(5): e37786. doi:10.1371/journal.pone.0037786 (IF 4.09).
- [9] Li J., Jiang P., Li Y., Wang X., Cao J., Wang X, **Zeshan B.** 2009. HSP70 fused with GP3 and GP5 of porcine reproductive and respiratory syndrome virus enhanced the immune responses and protective efficacy against virulent PRRSV challenge in pigs. *Vaccine* 27:825–32 (IF 3.7).
- [10] Li G., Jiang P., Li Y., Wang X., Huang J., Du Y., **Zeshan B.** 2009. Effective suppression of replication of porcine reproductive and respiratory syndrome virus by adenovirus-mediated small interfering RNAs targeting ORF1b, 5 and 7 genes. *J. Virol. Meth.* 157:40–6 (IF 2.0).
- [11] Li G., Jiang P., Li Yu., Wang X., Huang J., Bai J., Cao J., Wu B., Chen N., **Zeshan B.** 2009. Inhibition of porcine reproductive and respiratory syndrome virus replication by adenovirus-mediated RNA interference both in porcine alveolar macrophages and swine. *Antivir. Res.* 82:157–65 (IF 4.3).
- [12] Shi W., Du J., Qi Y., Liang G., Wang T., Li S., Xie S., **Zeshan B.**, Xiao Z. 2012. Aberrant expression of serum miRNAs in schizophrenia. *J. Psychiatr. Res.* 46:198-204 (IF 4.66).
- [13] Iqbal M.F., Cheng F.Y., Zhu W.Y., **Zeshan B.** 2008. Mitigation of ruminant methane production: current strategies, constraints and future options. *World J. Microb. Biot.* 24:2747–55. (IF 1.53).
- [14] Zhang Li Li., Cao G.L., **Zeshan B.**, Li W., Xu J., Wang X., Jiang P. 2009. Identification of one strain of nephropathogenic avian infectious bronchitis virus. *Animal Husbandry and Veterinary Medicine* 41:11–15 (Article in chinese).

Conference Proceedings:

- [15] **Zeshan B.**, Jiang P. Cloning and expression of truncated infectious bronchitis virus S1 glycoprotein (S_{f200}) in *Escherichia coli*. Proc of 16th World Veterinary Poultry Association Congress Marrakesh, Morocco, Nov 8-12, 2009 Nov 9, Session A2- Infectious Bronchitis.
- [16] **Zeshan B.**, Naeem K., Jiang P., Iqbal M.F. Efficacy and routes of administration of different vaccine types against Hydropericardium syndrome in broilers. Proc 5th Int Poultry conference 2008 Taba, Egypt, Session D11:1156–67.
- [17] **Zeshan B.**, Asma S, Zhongdang X. Cloning and Expression of MHC Class II-Associated Invariant Chain in *Escherichia Coli*. Biology Theme, Proc 5th Saudi Science conference April, 14-18th 2012 Umm Al-Qurra University, Makah, Saudi Arabia.
- [18] Mushtaq M.H., Hussain F, **Zeshan B.**, Shah A.A., Khan K.A., Khan S.A. Effects of Excessive Sodium Salts in Feed of Broiler Birds. Proceedings of the XIIIth European Poultry Conference August, 23 – 27th, 2010, Tours (France).
- [19] Mushtaq M.H., Hussain F, **Zeshan B.**, Shah A.A., Khan S.A. Role of Vitamin E as Immunostimulant during Infectious Bursal Disease Virus Infection. Proceedings of the XIIIth European Poultry Conference August, 23 – 27th, 2010, Tours (France).

References:

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