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<b>Cell No.:</b>	0345-6644660/ 0300-3219757		
<b>Research Area:</b>	Poultry Medicine		
<b>QUALIFICATION</b>			
<b>DEGREE</b>	<b>PASSING YEAR</b>	<b>MAJORS</b>	<b>UNIVERSITY</b>
PhD	2016	Poultry Medicine	HZAU Wuhan China
M.Sc (Hons)	2010	Poultry	SAU Tandojam
DVM	2008	DVM	SAU Tandojam
<b>PUBLICATIONS (NATIONAL/INTERNATIONAL)</b>			
<p>1. <b>Nabi, F.</b>, et al. "Nutraceutical role of selenium nanoparticles in poultry nutrition: a review." World's Poultry Science Journal (2020): 1-13. <b>(IF=1.802)</b></p> <p>2. <b>Nabi, F.</b>, M. A. Arain, N. Rajput, <i>et al</i> (2020). "Health benefits of carotenoids and potential application in poultry industry: A review." Journal of Animal Physiology and Animal Nutrition. 2020 Apr 25. doi: 10.1111/jpn.13375. <b>(IF=1.703)</b>.</p> <p>3. <b>Nabi F</b>, Iqbal MK, Zhang H, <i>et al.</i> (2018). Clinical efficiency and safety of Hsp90 inhibitor Novobiocin in avian tibial dyschondroplasia. Journal of <i>Vet Pharmacol Therap</i> (2018; 00:1-10. <a href="https://doi.org/10.1111/jvp.12692">https://doi.org/10.1111/jvp.12692</a> <b>(IF=1.441)</b>).</p> <p>4. <b>Nabi F et al.</b> (2018). Salvia miltiorrhiza reinstated growth plate width, liver oxidative stress and toxicity in avian Tibial Dyschondroplasia. <b>Pakistan J. Zool.</b>, vol. 50 (4), pp 1-4, 2018. <a href="http://dx.doi.org/10.17582/journal.pjz/2018.50.4.sc6">http://dx.doi.org/10.17582/journal.pjz/2018.50.4.sc6</a> <b>(IF=0.491)</b>.</p>			

5. Iqbal MK, **Nabi F**, Rehman M, Mehmmod K, *et al.* (2017). Fk228 recovers the thiram-induced tibial dyschondroplasia in chicken via Hypoxia inducible Factor-1a. *Journal of Biological Regulators & Homeostatic Agents*, *Journal of biological regulators and homeostatic agents* 32 (1), 89-95. **(IF=1.397)**.
6. **Nabi, F.**, Shahzad, M., Liu, J., Li, K., Han, Z., Zhang, D., Iqbal, M. K., and Li, J. (2016). Hsp90 inhibitor celastrol reinstates growth plate angiogenesis in thiram-induced tibial dyschondroplasia. *Avian Pathol* 45, 187-93. **(I.F 1.639)**
7. **Nabi, F.**, Kun Li, Muhammad, S., Liu, J., Li, K., Han, Z., and Li, J. (2016). Gambogic Acid Inhibits Hsp90 Expressions in Thiram-Induced Tibial Dyschondroplasia. *Pak Vet J*, 2016, 36(2): 224-226. **(IF=1.3)**
8. **Nabi F**, MI Rind1, Li JK, et al. Influence of different feed forms and particle size on efficiency of broiler production. *Online J. Anim. Feed Res., OJAfr* 7(2) 24-28, 2017 <http://www.ojafr.ir/main/> **(International)**

#### **Co-Author Publications**

#### **2019**

9. Bahram Chachar, **Fazul Nabi** and Jian xin Liu. (2019) Method of N-Carbamoylglutamate Determination in Rumen Fluid. *Pak J Anl and Envir Chem* 20 (1) 2019. (HEC Recognized) 2019, 20(1), 47-53. doi: 10.21743/pjaec/2019.06.06
10. Chang, Z., Zhang, H., Mehmood, K., Luo, M., Zhao, Y., **Nabi, F.**, Wu, X., Tian, X., Liu, X., and Zhou, D. (2019). Effect of nano copper on visceral organs and the contents of trace elements in weanling pigs. *Toxin Reviews* 38 (2), 115-120. <https://doi.org/10.1080/15569543.2017.1421559> **(IF=0.789)**.

#### **2018**

11. Muhammd K.I, **Fazul N**, Mehmood K, Mujeed et al., (2018). Healing of growth plate cartilage by Hypoxia Inducible Factor-1 inhibitor Apigenin on Thiram-induced Tibial Dyschondroplasia. (7-280) **(PVJ= IF=0.813)**.
12. Chang, Z., H. Zhang, H. Dong, K. Mehmood, M. Ijaz, H. Ahmad, M. Naeem, Q. Wu, **F. Nabi** and H. Zhu (2018). "Effect of CuSO<sub>4</sub> and nano copper on serum antioxidant capacity in

Weaned piglets." *Journal of biological regulators and homeostatic agents* 32 (2): 219-224. **(IF=1.17)**.

13. Zhu, H., H. Zhang, Y. Wang, D. Ciren, H. Dong, Q. Wu, M. U. Rehman, **F. Nabi**, K. Mehmood and J. Li (2018). "Phylogenetic and pathotypic characterization of newcastle disease virus in Tibetan chickens, China." *Pesquisa Veterinária Brasileira* 38(1): 37-40. **(IF=0.3)**
14. Wu, B., H. Zhang, K. Li, K. Mehmood, Y. Zhao, B. Jiang, C. Xue, M. T. Javed, **F. Nabi** and Z. Han (2018). "Seroprevalence and Immunization Program of Serotype O of Foot-and-Mouth Disease Virus in Pigs in Zhejiang Province, China." *Pakistan J. Zool.*, vol. 50(5), pp 1945-1949, 2018. **(IF=0.790)**
15. Zhang H, Mehmood K, Jiang X, et al. Effect of Icariin on Tibial Dyschondroplasia Incidence and Tibial Characteristics by Regulating P2RX7 in Chickens. *Biomed Research International*. 2018 ;2018:6796271. DOI: 10.1155/2018/6796271. **(IF=2.476)**.
16. Zhang, Mehmood, Li, Rehman, Jiang, Huang, Wang, Zhang, Tong, **F.Nabi**, Yao, Iqbal, Shahzad and Li (2018). Icariin ameliorate thiram induced Tibial Dyschondroplasia via regulation of WNT4 and VEGF expression in broiler chickens. *Front. Pharmacol.* | doi: 10.3389/fphar.2018.00123 **(IF=4.4)**
17. Khalid M, Hui Z, Kun L, Lei W, Mujeeb UR, **Fazul N**, et al (2018). Effect of tetramethylpyrazine on tibial dyschondroplasia incidence, tibial angiogenesis, performance and characteristics via HIF-1 $\alpha$ /VEGF signaling pathway in chickens. *Scientific Reports* (2018) 8:2495 DOI:10.1038/s41598-018-20562-3 **(IF= 4.259)**.
18. Khalid M, Hui Z, Muhammad KI, Mujeeb R, Kun L, Shucheng H, Muhammad S, **Fazul N**, Mujahid I and Jiakui Li. Tetramethylpyrazine Mitigates Toxicity and Liver Oxidative Stress in Tibial Dyschondroplasia Chickens. *Pak Vet J*, 2018, 38(1): 76-80 **(IF=0.831)**
19. Zhang, H., Dong, H., Mehmood, K., Li, K., **Nabi, F.**, Chang, Z., Rehman, M. U., Ijaz, M., Wu, Q., and Li, J. (2018). Physiological variations among blood parameters of domestic cats at high- and low-altitude regions of China. *Arch Physiol Biochem*, 1-3. Doi: 10.1080/13813455.2018.1423623 **(IF=1.220)**.

20. Hailong D, Hui Z, Kun L, Khalid M, Mujeeb R, **Fazul N**, Yajing W, Zhenyu C, Qingxia W and Jiakui Li (2018). Prevalence and Potential risk factors of E.coli isolated from Tibetan piglets with white score diarrhea. *Pakistan J. Zool.*, vol. 50(1), pp 57-63, 2018 (**IF=0.491**).
21. Dong, H., K. Mehmood, Z. Chang, K. Li, S. Liu, M. U. Rehman, **F. Nabi**, T. Javed, H. Zhu and J. Li (2018). Seroprevalence and risk factors associated with pseudorabies virus infection in Tibetan pigs in Tibet. *BMC Veterinary Research* (**IF=1.75**) 2018 Jan 22;14 (1):25. doi: 10.1186/s12917-018-1347-x
22. Qingxia Wu, Hailong Dong, Hui Zhang, Khalid Mehmood ,Fayi Tian, Muhammad Ijaz, **Fazul Nabi**, Muhammad AY, et al. Hypoxia promotes VEGF and HIF-1 expressions in endometrial epithelium cell of Tak in Qinghai Tibet Plateau. *Int. J. Agric. Biol.*, 20: 911–915. (**IF=0.746**)
23. Qingxia Wu, Hui Z, Khalid M, Kun L, Zhenyu Chang, Xiong Jiang, FayiTian, **Fazul Nabi**, et al. Biological Characteristics and Phylogenetic analysis of lactic acid bacteria isolated from free-range yaks in Qinghai Tibet Plateau. *Int. J. Agric. Biol.*, 20: 902–906 (**IF=0.746**).

## 2017

24. Zhang, H., Rehman, M. U., Li, K., Luo, H., Lan, Y., **Nabi, F.**, Li, J. K. (2017). Epidemiologic Survey of Japanese Encephalitis Virus Infection, Tibet, China, 2015. *Emerging Infectious Diseases*, 23(6), 1023–1024. <http://doi.org/10.3201/eid2306.152115> (**IF 8.22**)
25. Zhang H, Chang Z, Mehmood K, Wang Y, Rehman MU, **Nabi F**, Sabir AJ, Liu X, Wu X, Tian X, Zhou D, First report of Ehrlichia infection in goats, China, *Microbial Pathogenesis* (2017), doi: 10.1016/j.micpath.2017.07.012 (**IF=2.009**)
26. Antibacterial effect of the water extract of Houttuynia cordata water extract against multi-drug resistant Escherichia coli. J Li, M Rehman, H Zhang, MK Iqbal, K Mehmood, S Huang, **Nabi F**. *The Southeast Asian Journal of Tropical Medicine and Public Health* Vol 48 No 6. Nov 2017 (IF=0.655)
27. Zhang, Hui, Wu, Xiaoxing, Mehmood, Khalid, Chang, Zhenyu, Li, Kun, Jiang, Xiong, **Nabi, Fazul**, Ijaz, Muhammad, Rehman, Mujeeb Ur, Javed, Muhammad Tariq, Zhou, Donghai, Intestinal epithelial cell injury induced by copper containing nanoparticles in piglets.

Environmental Toxicology and Pharmacology <http://dx.doi.org/10.1016/j.etap.2017.09.010>

**(IF=2.3)**

28. Zhenyu Chang, Hui Zhang, Meixian Bao, Mujeeb Ur Rehman, Khalid Mehmood, **Fazul Nabi**, Xiaoxing Wu, Xinxin Tian, Xiaodan Yuan and Donghai Zhou Expression of NKCC2, NCC and Na<sup>+</sup>-K<sup>+</sup>-ATPase Genes Encoding during Acute Renal Failure in Dogs . Pak Vet J, 2017, 37 (4) 460-464 **(IF=0.813)**.
29. Hui Z, Kun L, Yajing W, Mujeeb R, Yijiang L, Junjie J, Junping P, **Fazul N**, Khalid M and Houqiang L. Investigation and characterization of B-lactam resistance in E.Colistrains isolated from bamboo rats in Zhejiang province China. J Vet Med Sci Vol 79 (10) 2017 **(IF=0.845)**
30. Rehman, M. U., Zhang, H., Iqbal, M. K., Mehmood, K., Huang, S., **Nabi, F.**, Luo, H., Lan, Y., and Li, J. (2017). Antibiotic resistance, serogroups, virulence genes, and phylogenetic groups of Escherichia coli isolated from yaks with diarrhea in Qinghai Plateau, China. *Gut Pathogens* **9**, 24. **(IF=2.756)**
31. Huang, S., Zhang, L., Rehman, M. U., Iqbal, M. K., Lan, Y., Mehmood, K., Zhang, H., Qiu, G., **Nabi, F.**, Yao, W., Wang, M., and Li, J. (2017). High altitude hypoxia as a factor that promotes tibial growth plate development in broiler chickens. PLoS One 2017 Mar 10;12(3):e0173698. doi: 10.1371/journal.pone.0173698. **(IF=2.806)**
32. Nisar A, P. Yang, Y. Huang, H. Chen, T. Liu, L. Wang, **F. Nabi**, Y. Liu, and Q. Chen, 'Entosis Acts as a Novel Way within Sertoli Cells to Eliminate Spermatozoa in Seminiferous Tubule', *Front Physiol*, 8 (2017), 361. **(IF=4.134)**
33. Khalid M, Hui Z, Muhammad KI, Mujeeb R, Muhammad S, Kun L, Shucheng H, **Fazul N**, Lihong Z, and Li Jiakui (2017). In Vitro Effect of Apigenin and Danshen in Tibial Dyschondroplasia through Inhibition of Hsp90 and VEGF Expressions in Avian Growth Plate Cells (AVIAN DISEASES 61:372–377, 2017) **(IF=1.109)**
34. Zhang, H., Chang, Z., Mehmood, K., Abbas, R. Z., **Nabi, F.**, Rehman, M. U., Zhou, D. (2017). Nano Copper Induces Apoptosis in PK-15 Cells via a Mitochondria-Mediated Pathway. Biological Trace Element Research, 1-9. doi: 10.1007/s12011-017-1024-0 **(IF= 2.399)**.
35. Mujeeb Ur Rehman, Hui Zhang, Muhammad Kashif Iqbal, **Fazul Nabi**, Shucheng Huang, Yanfang Lan, Khalid Mehmood, Houqiang Luo and Jiakui Li, Antibiotic Resistance of

Escherichia coli in Free-Ranging Yaks (Bos grunniens) from Tibetan Plateau, China. Pak Vet J (IF=0.813).

36. Hui Zhang, Houqiang Luo, Mujeeb Ur Rehman, **Fazul Nabi**, Kun Li, *et al.* (2017) Evidence of JEV in Culex tritaeniorhynchus and pigs from high altitude regions of Tibet, China. J Vector Borne Dis 54, March 2017, pp. 69–73 (IF=1.190).
37. Zhang, H., Chang, Z., Khalid, M., Deng, R., Wu, X., **Fazul, N.**, Zhou, D. (2017). Expression of genes encoding TFF3 in intestinal tissues during weaning in diarrhea piglets induced by enterotoxigenic Escherichia coli. International Journal of Agriculture and Biology, 19(6), 1307-1312. (IF=0.758).
38. Zhang H, Rehman MU, Li K, Luo H, Lan Y, **Nabi F**, Shahzad M, Huang S, Liu X, Mehmood K, Iqbal MK and Li J, 2017. Antimicrobial resistance of Escherichia Coli isolated from Tibetan piglets suffering from white score diarrhea. Pak Vet J, 37(1): 43-46 (IF=0.813).
39. Zhenyu C, Hui Z, Khalid M, Mujeeb R, Xiaodan Y, Zhaoyang L, **Fazul N**, Xiaoxing et al. (2017). Protective effects of intestinal trefoil factor against endotoxin-induced injury of intestinal mucosal epithelial cells in piglets. Pakistan Journal of Zoology Pakistan J. Zool., Vol. 49, Iss. 6, pp 2249-2255 (IF=0.491).
40. Chang Z, Zhang H, Wu X, **Nabi F**, Rehman MU, Yuan X, Mehmood K and Zhou D. Renal dose dopamine mediates the level of aquaporin-2 water channel (AQP2) in Broiler chicken. Brazilian Journal of Poultry Science 19 (3), 387-392) (IF=0.425).
41. Zhu H, Zhang H, Wang Y, Ciren D, Dong H, Wu Q, Rehman MU, **Nabi F**, Genetic Characterization and Evolutionary Analysis of Emerging Newcastle Disease Virus Isolated from Tibetan Chickens. Kafkas Univ Vet Fak Derg, 23 (3): 385-389, 2017. DOI: 10.9775/kvfd.2016.16753 (IF=0.418).

## **2016**

42. Muhammad Kashif Iqbal , Jingying Liu , **Fazul Nabi** , Mujeeb Rehman , Hui Zhang , Adnan Hassan Tahir “Recovery of Chicken growth plate by Hsp90 Inhibitor EGCG and Apigenin in thiram induced Tibial Dyschondroplasia” Avian Diseases. 2016 Dec;60 (4):773-778 (IF=1.104).

43. Han, Z., Gao, J., Li, K., Shahzad, M., **Nabi, F.**, Zhang, D., Li, J., and Liu, Z. (2016). Prevalence of Circulating Antibodies to Bovine Herpesvirus 1 in Yaks (*Bos grunniens*) on the Qinghai-Tibetan Plateau, China. *J Wildl Dis* 52, 164-7. **(IF= 1.189)**.
44. Hui Zhang, Kun Li, Houqiang Luo, **Fazul Nabi**, Muhammad Shahzad and Jiakui Li. Seroprevalance and pathological examination of lymphoid leukosis virus subgroup A in chickens in Anhui province, China. *Pakistan J. Zool.*, vol. 49(3), pp 1033-1037, 2017. **(IF=0.491)**.

#### **2015**

45. Han, Z., Li, R., Li, K., Shahzad, M., Wang, X. Q., Jiang, W., Luo, H., Qiu, G., **Nabi, F.**, Li, J., and Meng, X. (2015). Assessment of Serum Trace Elements in Diarrheic Yaks (*Bos grunniens*) in Hongyuan, China. *Biol Trace Elem Res.*171(2)333-7 **(IF=1.798)**
46. Shahzad, M., Liu, J., Gao, J., Wang, Z., Zhang, D., **Nabi, F.**, Li, K., and Li, J. (2015). Differential expression of extracellular matrix metalloproteinase inducer (EMMPRIN/CD147) in avian tibial dyschondroplasia. *Avian Pathol* 44, 13-8. **(I.F 1.639)**
47. Li, J., Li, K., Shahzad, M., Han, Z., **Nabi, F.**, Gao, J., and Han, J. (2015). Seroprevalence of Bluetongue virus in domestic yaks (*Bos grunniens*) in Tibetan regions of China based on circulating antibodies. *Trop Anim Health Prod* 47, 1221-3. **(IF=0.87)**
48. Zhang, D., Zhang, K., Gao, J., Liu, J., Shahzad, M., Han, Z., **Nabi, F.**, Li, K., and Li, J. (2015). Anthelmintic efficacy, plasma and milk kinetics of eprinomectin following topical and subcutaneous administration to yaks (*Bos grumniens*). *Exp Parasitol* 153, 17-21. **(IF=1.623)**
49. WANG Xiao-qiang, JIANG Wen-teng, HAN Zhao-Qing, **Fazul Nabi**, SUOLANG Si-Zhu, WU Qing-Xia, ZHAO Xiao-Dong, SUO Lun, LI Jia-kui,(2015) Efficacy of oral gels and serum biochemical parameters change in diarrheal calves of yak. *Chinese Journal of Veterinary Science* N0 10 Vol 35 (1674-1677)

#### **2014**

50. Shahzad, M., Liu, J., Gao, J., Wang, Z., Zhang, D., **Nabi, F.**, Li, K., and Li, J. (2014) Hsp-90 Inhibitor Geldanamycin Attenuates Liver Oxidative Stress and Toxicity in Thiram-Induced Tibial Dyschondroplasia. *Pakistan Veterinary Journal.* 34(4): 545-547 **(IF=0.822)**

51. Li, K., Gao, J., Shahzad, M., Han, Z., **Nabi, F.**, Liu, M., Zhang, D., and Li, J. (2014). Seroprevalence of *Toxoplasma gondii* infection in yaks (*Bos grunniens*) on the Qinghai-Tibetan Plateau of China. *Vet Parasitol* 205, 354-6. **(IF=2.242)**

## **2012**

1. M. Z. Talpur, M. I. Rind, A. Memon, **F. N. Shar** and N. A. Ujjan (2012) Effect of Dietary calcium on the performance of commercial chicken. *J Vet Anim Sci.* 2:101-106.

## **PAPER PRESENTATIONS IN INTERNATIONAL CONFERENCES**

. Chachar.B, **Nabi.F**, Liu,J, **(2019)** Feeding N-Carbomylgutamate as a Arganine substitute in Dairy Animals. 4<sup>th</sup> International conference on Agriculture, Food and Animal Science SAU Tandojam pp 78. January 21-22, 2019.

**2. Nabi F**, Iqbal M, Shahzad M and Jiakui Li. **(2016)**. Celastrol and Gambogic Acid inhibit Hsp90 expression and Restore Avian growth plate width in tibial Dyschondroplasia. 3<sup>rd</sup> International Conference on Food, Agriculture and Animal Science, SAU Tandojam Pakistan, January 10-11, 2016. Pp 166

1. **3.** Muhammad K Iqbal, Jingying Liu, **Fazul Nabi**, et al. **(2015)** Treatment of avian tibial dyschondroplasia using traditional Chinese medicines by Hsp90 inhibition. Two Days International Seminar on *Poultry Disease*. 45-52, University of Agriculture Faisalabad (2015.12.14-2015.12.16).

## **TEACHING EXPERIENCE**

<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Organization</b>
Assistant Professor	17 <sup>th</sup> Dec 2017	Todate	Lasbela University of Agriculture, Water & Marine Sciences
Lecturer	21 <sup>st</sup> March 2011	16-12-2017	Lasbela University of Agriculture, Water & Marine Sciences

## **SHORT BIOGRAPHY:**

Dr Fazul Nabi, currently working as an Assistant Professor at the Department of Veterinary Medicine, Faculty of Veterinary and Animal Science, Lasbela University of Agriculture, Water and Marine Sciences. Dr FN Shar does research in Veterinary Medicine and Animal Science.