

CURRICULUM VITAE



Name: **Muhammad Mazhar Ayaz**

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Web Page: www.ayazvet.20m.com

Web blog: Parasite of BZU, Pakistan.

Nationality: Pakistani

Marital Status: Married

Language Skill: English, Urdu, Punjabi & Siraki

Area of Interest: Medical & Veterinary Entomology, Parasitology, Immuno-parasitology, Protozoology, Vector Borne Diseases, Epidemiology, Parasitic Zoonosis, Helminths and Parasitic Chemotherapy

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Impact Factor: 35.90 **Thompson Reuters Researcher ID: F-5815-2014**
Scopus ID: 55631801000

ACADEMIC RECORD

Certificate/ Degree	Year of Passing	Institution	Total Marks	Obtained	%	Div. CGPA	Major Subjects
S.S.C	1986	Govt.Comp. High School, D.G.Khan	850	690	81.17	Ist	Science
H.S.S.C	1988	Govt.College D.G.Khan	1100	692	62.90	Ist	Pre-Medical
D.V.M	1993	College of Veterinary Science, Lahore	3860	2561	66.34	3.06/4.00	Medicine, Reproduction, Microbiology, Parasitology
M.Sc(Hons)	1995	College of Veterinary Science, Lahore	820	661	80.60	3.88/4.00	Medicine & Surgery.Diseases of zoo animals,Clinical lab.aids, Diseases of lab.animals, Entomological dis.,Advanced large animals surgery
PhD	2003	University of Agriculture Faisalabad					Advanced immunology, Cell&tissue culture tech., Biotechnology in parasitic infestation Tech.
AMBO Course	2002	RIKEN Inst. Saitama, Japan					PCR, Gas Chromatography. Blotting Tech. Electrophoresis
International training workshop on standard diagnosis tech. of livestock health Diseases in developing countries	2004	Lanzhou VRI, Lanzhou, China					ELISA for Foot &Mouth Disease. Tick Born Dis. Cysticercosis
Molecular Diagnosis of infectious disease of Livestock & Poultry.	6-8 April, 2015.	National Institute of Biotechnology and Genetic Engineering, Faisalabad, Pakistan					Molecular diagnosticTechniques, LAMP technique, Real Time PCR
ParSco IV, Summer Residency Course	2015	University of Bari, Italy					Molecular techniques for vectors and arthropods borne diseases diagnosis

Thesis: M. Sc. (Hons): Studies on the Changes of Electrolytes and PCV in equine colic.

PhD: Development of Egg adapted vaccine (Local isolate) against coccidiosis in

Poultry

PhD Students Supervised/ under supervision:

Ph.D. Supervised/Co-Supervised

1. Dr. Zaka Saeed (Session 2010-2015)
Topic: “Comparative study on prevalence and haemtobiochemical profiling of *Theileria annulata* from infected blood samples of southern Punjab cattle”.
2. Zafar Iqbal.2018. GC University Faisalabad

M. Phil student(s) supervised/ Co-Supervised

1. Mehboob Akbar. M.Phil. Parasitology (Session 2004-2006)
Topic: Prevalence and Chemotherapy of warble fly infestation in Buffaloes in District Dera Ghazi Khan
2. Muhammad Sabir (M.Phil. Biotechnology) (session 2010-2012)
Topic: Epidemiological and hematological studies of bovine Tuberculosis in Cattle, Dera Ghazi Khan
3. Nasir Mahmood (M.Phil. Pathobiology) (Session 2014-2016)
Topic: Sero-Epidemiological ELISA detection of Liver fluke in different goat breeds of Multan, Pakistan
4. Ms. Shumaila Iqbal (M.Phil. Zoology) (Session 2015-2017)
Topic: Effect of Probiotics on growth and utilization of *Cirrhinus mrigala*
5. Zafar Iqbal.2018. Allama Iqbal Open University, Islamabad.

Editor / Co-Editor / Reviewer of Journals & News Letters:

1. International Journal of Dermatology - Wiley Online Library, Impact Factor: 1.56, Online ISSN: 1365-4632
2. The American Journal of Tropical Medicine and Hygiene, Impact Factor: 2.453, ISSN: 0002-9637
3. Australian Veterinary Journal, Impact Factor: 0.699, ISI Journal Citation Reports © Ranking: 2015: 87/138 (Veterinary Sciences)Online ISSN: 1751-0813
4. Australian Veterinary Practitioner ISSN: 2308-2798 Impact Factor: 0.18
5. Australian Equine Veterinarian ISSN: 1834-1349
6. Editor of Journal of Tuberculosis and Therapeutics, USA (Open Access)
7. Editorial Board of “ Farmer Reformer” ISSN 2519-7835,
<http://www.farmerreformer.com/editorial-board/>
8. Reviewer Punjab University J of Zoology
9. Reviewer for American Journal of Medical and Biological Research, Science and Education Publishing Co. ISSN (Print): 2328-4080; (Online): 2328-4099
10. Journals published under Public science Framework (PSF)

11. International Journal of Animal Biology ISSN: 2381-7658 (Print) ISSN: 2381-7666 (Online)
12. Bioscience and Bioengineering ISSN: 2381-7690; 2381-7704.
13. Journal of Sleep Disorders and Therapy ISSN: 2167-0277
14. Journal of Orthopedic Surgery and Rehabilitation
15. Annals of Medical and Health Sciences Research
16. Biomedical Journals
17. Onderstepoort Journal of Veterinary Research
18. Translational Biomedicine Journal Scopus indexed with H-Index:2 ISSN: 2172-0479
19. News Letter: Faculty of Veterinary Sciences, BZU, Multan for 2013 Volume3, No.3
20. News Letter: Faculty of Veterinary Sciences, BZU, Multan for 2014 Volume4, No.1

PATENTS

“Sand Fly Trap” patent filled to IPO (Intellectual Property Organization) Pakistan, Govt. of Pakistan. Receipt No. 41100, No. 378/2014 dated 16-5-2014. Inventors: M. Mazhar Ayaz, M.Shahid and MukkamSultan Sahu.

TRAVEL GRANTS

S.No	Travel Grant for the Purpose	Travel Grant issuing Authority	Grant Reference	Amount
1.	To attend 12 th International Goat Conference at Turkey	HEC, Islamabad, Pakistan	No.252.104/TRG/R&D/2016/19437 Dated 1 st August, 2016	Rs.201,760/-
2.	To attend 65 th Entomological Conference, Colorado, USA	HEC, Islamabad, Pakistan	No.277.27/TRG/R&D/2017 Dated 6 st Oct, 2017	Rs.313,054/-

INVITED OVERSEAS SPEAKER:

1. International Symposium on Respiratory Diseases and ATS. Shanghai, China on November 7-9, 2014.
2. Guest speaker for “**Kissan Mela**” on Development Finance for Non Farmer sector of Agriculture dated December 23, 2016 at MANSUA, Multan

RESEARCH PAPERS

MAJOR AUTHOR

2018

87. Samia Imtiaz, Huma Ikram, Mazhar Ayaz, Muhammad Imran Qadir and Syed Aun Muhammad.2018.Effect of glycine: Studying memory and behavioral changes in mice. Pak. J. Pharm. Sci., Vol.31, No.5, September 2018, pp.1943-1949.**IF: 0.682**
86. Fehmeeda Bibi, Shafqat Nawaz Qaisrani¹, Mazhar Ayaz, Mudasser Nazir, Atif Nisar Ahmad, Mian Muhammad Awais, Bushra Nisar Khan² and Masood Akhtar.2018. Occurrence of Endoparasites in Some Selected Fishes Of Chenab River, Pakistan, Bangladesh J. Zool. 46(1): 53-61
85. Hina Javed, Syed Nisar Hussain Shah, Muhammad Mazhar Ayaz, Nida Javed, Furqan Muhammad Iqbal, Muqeet Wahid, Mahtab Ahmad and Ghulam Murtaza.2018.Formulation Development And Characterization Of Diphenhydramine Nasal Nanogel. Acta Poloniae Pharmaceutica ñ Drug Research, Vol. 75 No. 2 pp. 491ñ506, 2018
84. Muhammad Saleem Akhtar, Sana Irum, Mushtaq Hussain Lashari ,Ejaz Ahmad, Tanveer Ahmad, Muhammad Mazhar Ayaz, Laeeq Akbar Lodhi, Ijaz Ahmad and Masood Akhtar .2018. Bio-stimulatory Effect of Bull on Postpartum Estrus Interval in Nili-Ravi Buffaloes. Kafkas Univ Vet Fak Derg 24 (4): 603-606, 2018 DOI: 10.9775/kvfd.2018.19435 **IF: 0.332**
83. Yadong Zheng, Xiaola Guo,Meng Su, Xiaoqian Chen, Xiaoliang Jin, Juntao Ding,Zhengrong Wang, Xinwen Bo, Mazhar Ayaz, Ivan Kutyrev, Wanzhong Jia, Xichen Zhang,Jing Zhang.2018.Identification of emu-TegP11, an EF-hand domain-containing tegumental protein of Echinococcus multilocularis. Veterinary Parasitology 255;107–113. **I.F. 2.545**
82. Muhammad Mudasser Nazir , Muhammad Mazhar Ayaz ,Atif Nisar Ahmed, Azhar Maqbool,Kamran Ashraf, Muhammad Oneeb, Ghulam Yasin, Atta Subhani, Muhammad Asif Ali, Noman Nazir, and Muhammad Afzal Sajid.2018.Prevalence of Toxoplasma gondii, Neospora caninum, and Sarcocystis Species DNA in the Heart and Breast Muscles of Rock Pigeons (Columbia livia). Journal of Parasitology Research, Article ID 6264042, 4 pages <https://doi.org/10.1155/2018/6264042>. **I.F.2.81**
81. Muhammad Mazhar Ayaz, Muhammad Sajid, Sanjota Nirmal Das and Muhammad Hanif.2018.An ex vivo up-take of levamisole molecules by cestode (*Monezia expansa*) of goat (*Capra hirsca*) and its detection through RP-HPLC. Pak. J. Pharm. Sci., Vol.31, No.3, May 2018, pp.961-966. **IF: 0.682**
80. Muhammad Mazhar Ayaz, Muhammad Mudasser Nazir, Najeeb Ullah, Aqil Zaman, Atif Akbar, Muhammad Zeeshan, Zahid Hussain, Saima Naz, Yadong Zheng, Asghar Javed,and David S. Lindsay.2018.Cutaneous Leishmaniasis in the Metropolitan City of Multan, Pakistan, a Neglected Tropical Disease. Journal of Medical Entomology, XX(X), 2018, 1–3. doi: 10.1093/jme/tjy003: **IF. 1.712**

79. Muhammad I. Malik, Muhammad Qamar, Quratul Ain, Malik F. Hussain, Mustap Dahmani, Mazhar Ayaz, Asim K. Mahmood, Bernard Davoust, Rehan S. Shaikh and Furhan Iqbal.2018.Molecular detection of *Ehrlichia canis* in dogs from three districts in Punjab (Pakistan). Veterinary Medicine and Science, , pp.1-7 DOI: 10.1002/vms3.94
2017
78. **Muhammad Mazhar Ayaz**, M. Mudaseer Nazir, Mubashir Aziz, Muhammad Amjad Ali, Muhammad Ali Khosa, Ahsan Sattar Sheikh and Nasir Mahmood.2017.Caulleryiosis, an Uncommon Protozoan Induced Diarrhea in a Bull, First Report in Vertebrate Host by Caullerya Mesnili. Transylvanian Review: Vol XXV, No.19, July 2017, 4936-4938. **I.F 0.04**
- 77.**Muhammad Mazhar Ayaz** and Abdul Basit.2017. Gastrointestinal helminths and protozoa in migratory camels in Multan. Malaysian J of Veterinary Research. 8(2):86-87.
76. Mushtaq Hussain Lashari, Ruby Ayub,Muhammad Saleem Akhtar,**Mazhar Ayaz**, Zahida Tasawar.2017.Correlates of myopia in students of Bahauddin Zakariya University, Multan. Journal of Pakistan Medical Association. 67(12): 1920-1922, December 2017. **IF.0.616**
75. Noreen Samad, Farzana Yasmin, Suad Naheed, Abu Zeeshan Bari, **M Mazhar Ayaz**, Aqal Zaman6, Atif Akbar, Saima Saeed and Najeeb Ullah.2017. Serum levels of leptin, zinc and tryptophan in obese subjects with sleep deficits. Pak. J. Pharm. Sci., Vol.30, No.4 (Suppl), July 2017, pp.1431-1438 **I.F 0.682**
74. Mubashar Aziz, Rakhshanda Baqai, Shahana Urooj Kazmi, Zulfiqar Ali Mirani, Ahsan Sattar Sheikh, **Mazhar Ayaz**, ,Muhammad Hanif and Najmul Hasan. 2017. Biofilm formation capability of bacteria, a threat to treat multi drug resistant diabetic foot infection isolates. Pakistan Journal of Pharmaceutical Research, Vol: 03 Issue: 02 PP: 77-83. **DOI: 10.22200/pjpr.2017277-83**
73. Ijaz Ahmad, Aqal Zaman, Noreen Samad, **Muhammad Mazhar Ayaz**, Shah Rukh, Atif Akbar, and Najeeb Ullah.2017. Atomic Absorption Spectrophotometry Detection of Heavy Metals in Milk of Camel, Cattle, Buffalo and Goat from Various Areas of Khyber-Pakhtunkhwa (KPK), Pakistan. Journal of Analytical & Bioanalytical Techniques. 2017, 8:3, 1000367 DOI: 10.4172/2155-9872.1000367
72. Noreen Samad, Aqsa Muneer, Najeeb Ullah, Aqal Zaman , **M Mazhar Ayaz** and Ijaz Ahmad.2017.Banana fruit pulp and peel involved in antianxiety and antidepressant effects while invigorate memory performance in male mice: Possible role of potential antioxidants. Pak. J. Pharm. Sci., Vol.30, No.3 (Suppl), May 2017, pp.989-995 **I.F 0.682**
71. Nasir Mahmood, **Muhammad Mazhar Ayaz**, Raza Hameed, Mudaseer Nazir, Ahsan Sattar Sheikh, Irtza Hussain, Najeeb Ullah, Noreen Samad, Aqal Zaman, Atif Akbar, and Yadong Zheng.2017. Liver Fluke: Elisa Diagnosis in Goats in Pakistan. J.Vet Med Res 4(6):1094.
70. Muhammad Mudasser Nazir, Muhammad Oneeb, **Muhammad Mazhar Ayaz**, Fehmeeda Bibi,Atif Nisar Ahmad, Abdul Waheed, Muhammad Afzal Sajid, Muhammad Tauseef

- Sultan, Ghulam Yasin, David S. Lindsay. 2017. Prevalence of antibodies to *Neospora caninum* in the serum of camels (*Camelus dromedarius*) from central Punjab, Pakistan. *Tropical Animal Health and Production*, 49, (5): 1081–1084 **I.F.1.01**
69. Yadong Zheng, Xiaola Guo, Meng Su, Aijiang Guoa, Juntao Ding, Jing Yang, Haitao Xiang, Xiaolan Cao, Shaohua Zhang, **Mazhar Ayaz**, Xuenong Luo .2017. Regulatory effects of *Echinococcus multilocularis* extracellular vesicles on RAW264.7 macrophages. *Veterinary Parasitology* 235:29–36 **I.F. 2.545**
68. Yadong Zheng, **Mazhar Ayaz**, Xiaoliang Jin, Dongqing Zhu, Xiaola Guo .2017. miRNA profiling in the mice in response to *Echinococcus multilocularis* infection. *Acta Tropica*. 166:39-44 **I.F: 2.270**
67. Xiaola Guo , Xueyong Zhang, Jing Yang, Xiaoliang Jin, Juntao Ding, Haitao Xiang, **Mazhar Ayaz** , Xuenong Luo, Yadong Zheng.2017. Suppression of nemo-like kinase by miR-71 in *Echinococcus multilocularis* . *Experimental Parasitology*.183:1-5 **I.F.1.724**
2016
66. **Muhammad Mazhar Ayaz**, M.Saleem Akhtar, M.Hussain Lashari, S.Murtaza, M.J.Khan, A. Basit and M. Naeem.2014. *Pseudomonas aurognosa* and *Streptococcus haemolyticum* in the larva of *Prezhelvaskiana Silenus Brauer* (Order: Diptera) a unique combination, facultative or commensals. *Pakistan Journal of Zoology Suppl.* Vol34; 27-30. **I.F.0.8**
65. **Muhammad Mazhar Ayaz**, Mubashir Aziz, Nadir Ali Birmani, Saleem Akhtar, Muhammad Ali Khosa, Yadong Zheng, Taraneh Oncel and Majid Hussain Somro.2016. Emergence of Resistance against flukicides in sheep under field conditions. *Acta Bioethica*. Vo.22 No.1. **I.F. 0.074**
64. **Muhammad Mazhar Ayaz** and Masood Akhtar.2013-2014. Effect of Egg Adapted gametocytic Vaccine (Local Isolates) On Lesion Score in Coccidiosis in Poultry. *Journal of Research (Science)*, Bahauddin Zakariya University, Multan, Pakistan. Vol.24-25(1-4):25-28.
63. **Muhammad Mazhar Ayaz**, Muhammad Sajid, Sanjota Nirmal Das, Muhammad Hanif. (2016) An Ex Vivo Up-Take of Levamisole Molecules by Cestode (*Monezia* *Expenza*) of Goat (*Capra Hirsia*) and its detection through RP-HPLC. *Pak. J. Pharmaceutical Sci.* **I.F.0.95** Accepted
62. **Muhammad Mazhar Ayaz**., Muhammad Jamshed Khan, Mubashir Aziz, Mushtaq Ahmad, M. Saleem Akhter, Muhammad Ali Khosa and Asad Ali Khan.2016. Evaluation Of Single Slide Fecal Samples of Zoo Animals through Micro Flootation Technique. *Pak.J.Zool.* 36: 1-5. **I.F. 0.8**
61. **Muhammad Mazhar Ayaz**, Saima Naz, Muhammad Ali Khosa, Muhammad Mudasser Nazir, Mubashir Aziz, Mushtaq Ahmad, Ahsan Sattar Seikh and Mushtaq Hussain Lashari (2016) A Study on the External Morphology of Goat Warble Larvae (*Przhevalskiana Silenus Brauer*) (Diptera, Oestridae) In Roohila Breed of Goat from Southern Punjab, Pakistan. *Pak.J.Zool.* **I.F. 0.8** Accepted
60. **Muhammad M. Ayaz**, Mubashir Aziz, Muhammad Ali Khosa, Muhammad Amjad Ali,

- Ahsan Sattar Seikh and Mahboob Akbar (2016)Caulleryiosis; an uncommon Protozoan induced diarrhea in a Bull; First Report in 3 Vertebrate host by Caullerya mesnili. Pak.J.Zool. **I.F. 0.8** Accepted
59. Zaka Saeed, Furhan Iqbal, Mureed Hussain, Rehan Sadiq Shaikh, Umer Farooq, Atif Akbar, Muhammad Gulsher , **Muhammad Mazhar Ayaz**, Syed Aamir Mahmood , Muhammad Ali And Munir Aktas. 2016. Molecular Prevalence and Haematology of Tropical Theileriosis in Cholistani Cattle from Nomadic Herds of the Cholistan Desert, Pakistan. Kafkas Univ Vet Fak Derg DOI: 10.9775/kvfd.2015.14540 **IF: 0.332**
58. Muhammad Asif Raza, **Muhammad Mazhar Ayaz** ,Muhammad Mudasser Nazir , Muhammad Saleem Akhtar, Mubashir Aziz, Saeed Murtaza and M. Ali Khosa.2016.Cross-Sectional Survey Of Helminthiasis In Buffaloes At Tehsil Jatoi And Tehsil Muzaffar Garh, Southern Punjab, Pakistan. Buffalo Bulletin (March 2016) 35(1):39-48 **Impact Factor: 0.027**
57. Mushtaq Hussain Lashari , Muhammad Saleem Akhtar , **Mazhar Ayaz** , Zahida Tasawar , Fariha Aziz , Abdul Asim Farooq, Sehrish Naqvi , Muhammad Arshad and Saadullah Khan Leghari.2016. A Preliminary Report On Prevalence Of Mange Infestation In Dumbi Sheep In And Around Fort Munru, Dera Ghazi Khan, Punjab, Pakistan. Wayamba Journal of Animal Science: 1402- 1405, August 15, 2016; Number 1468759173
- 2015**
56. **Muhammad Mazhar Ayaz**, Mudaseer Nazir, Mushtaq H. Lashari, S. Akhtar, Muhammad Ali Khosa, Mubashir Aziz, H.Zahid, S.Ali,M.Muneeb, S.Haider and Z.Zafar 2015. Recovery of *Schistosoma haematobium* ovum in Labeo rohita fish. Tropical Biomedicine. 32(3):1-3.**I.F:0.921**
55. **Muhammad Mazhar Ayaz**.2015. Effect of Natural Treatments Ipechahcuana 6 and Spongia 6 on COPD in Human Patients. J Pulm Respir Med, 5:6
54. Muhammad Saleem Akhtar, Syed Israr Hussain, **Muhammad Mazhar Ayaz**, Laeeq Akbar Lodhi, Muhammad Ameen, Saleem Ullah, Mushtaq Hussain Lashari, Abdul Asim Farooq, Masood Akhtar (2015)Effect Of Bull Exposure On The Post-Partum Reproductive Efficiency In Cholistani Cows. Kafkas Univ Vet Fak Derg, 21 (1): 37-40, 2015. **IF: 0.332**
- 2014**
53. **Muhammad Mazhar Ayaz**,Majid Hussain Somro, Muhammad Mudasser Nazir, Akhtar, Mushtaq Hussain Lashari and Muhammad Ali Khosa (2014). Prevalence and Effect of Treatment on Fasciolosis in Sheep under Field Conditions. Pensee J. 73(3):431-437. (**Impact Factor: 0.063**)
52. **Muhammad Mazhar Ayaz**, M.Ali, S. Murtaza, S.Akhtar, A.A. Farooq and M.Asif Raza. 2014. Bhagnari bull with non-hemolytic bloody urine: A case report. Journal of Research (Science), BZU, Vol. 22-23, Nos. 1-4 January-October 2011-12, pp. 49-53
51. Muhammad Saleem Akhtar, Laeeq Akbar Lodhi, A Abdul Asim Farooq, **Muhammd Mazhar Ayaz**, Saeed Murtaza, Muhammad Arshad, Irtaza Hussain, Ijaz Ahmada

- And Mushtaq Hussain (2014) Effect of Different Doses of hCG at AI on Pregnancy Rates of Repeat Breeder Nili-Ravi. Buffalo. Buffalo Bulletin 2013 .32 (Special Issue 2): 362-365. **IF:0.8**
50. Muhammad Saleem Akhtar, Saleem Ullah, Aabdul Asim Farooq, **Muhammd Mazhar Ayaz**, Saeed Murtaza, Muhammad Arshad, Irtaza Hussain and Mushtaq Hussain (2014) Pregnancy Rate in Lactating Buffaloes Treated With or Without Estradiol After Estrus Synchronization Protocols at Timed AI. Buffalo. Buffalo Bulletin 2013 .32 (Special Issue 2): 366-369. **IF:0.8**.
 49. Muhammad Saleem Akhtar, Allah Bachaya, Laeeq Akbar Lodhi, Abdul Asim Farooq, **Muhammd Mazhar Ayaz**, Saeed Murtaza, Muhammad Arshad, Irtaza Hussain, Abdul Basit, Ijaz Ahmad, Mushtaq Hussain And Zahida Tasawar (2014)Minerals Status of Soil, Fodder and In Lactating Nili-Ravi Buffaloes in Irrigated Agro-Ecological Zone of Punjab, Pakistan. Buffalo Bulletin 2013 .32 (Special Issue 2): 824-828. **IF:0.8**.
 48. Mushtaq Hussain Lashari, A. Batool, Z. Tasawar, N. Zahid, M.Saleem Akhtar, **M. Mazhar Ayaz**, A.A. Farooq, S. Sadia and M.S. Chaudhary (2014) The effect of age, Income, sex, residential status and ethnicity on the prevalence of Kidney stones in the patients visiting Nishtar Hospital, Multan. SYLWAN. 158(5): 456-473. **IF: 0.263**
 47. F. Anwar, M.S. Akhtar, C. Lal, L.A. Lodhi, **M. Mazhar Ayaz**, I. Ahmad, A.A. Farooq and M.Akhtar (2014). Effect of prepartum administration of selenium and vit-E on subsequent post-partum performance in first calf Nili-Ravi buffaloes. The journal of Animal and Plant Sciences (JAPS). 24 (supplement 1):5-8. **IF: 0.549**
 46. M. Mudasser Nazir, A. Maqbool, M.Akhtar, **M. Mazhar Ayaz**, A. N. Ahmad, K. Ashraf, A. Ali, M. A. Alam, M.A.Ali, A.R. Khalid and D.S. Lindsay. 2014. Neospora caninum prevalence in dogs raised under different living conditions. Vet. Parasitology 3(4): 364-368. **IF: 2.545**
 45. Muhammad Saleem Akhtar, Laeeq Akbar Lodhi, **Muhammad Mazhar Ayaz**, Mushtaq Hussain Lashari, Ijaz Ahmad, Mubasher Aziz, Saima Inayat, Sayyed Aun Muhammad (2014)Dose Dependent Effect Of Prostaglandin Analogue In Double Injection Regimen For Estrus Synchronization In Goats. Wayamba Journal of Animal Science, Sri Lanka, December 06, 2014; Number 1419008830 :1065-1069.
2013
 44. **Muhammad Mazhar Ayaz**, Muhammad Asif Raza, Saeed Murtaza and Saleem Akhtar (2013) Epidemiological survey of helminthes of goats in southern Punjab, Pakistan. Tropical Biomedicine 30(1):62-71. **Impact Factor: 0.649**
 43. **Muhammad Mazhar Ayaz**, Saleem Akhtar, Saeed Murtaza, Muhammad Jamshed Khan Muhammad, Asim Farooq and Muhammad Asif Raza (2013) A study on the external morphology of goat warble larvae (P. silenus brauer) in roohila breed in Pakistan. International Journal of Engineering Science and Innovative Technology (On Line); **Impact Factor : 1.753 (Accepted)**
 42. Muhammad Asif Raza, Saeed Murtaza, **Muhammad Mazhar Ayaz**, Saleem Akhtar, Hafiz Muhammad Arshad, Abdul Basit, Hafiz Allah Bachaya, Muhammad Ali and

- Muhammad Imran Khan (2013) *Toxocara vitulorum* Infestation And Associated Risk Factors In Cattle And Buffalo At Multan District, Pakistan. *Sci.Int (Lahore)*,25(2),291-294,
41. Muhammad Asif Raza, **Muhammad Mazhar Ayaz**, Saeed Murtaza, M. Saleem Akhtar, M. Naeem, M. Ali and H. Allah Bachaya. (2013). Prevalence of GIT Helminths in Cattle at the vicinities of Jatoi, Punjab, Pakistan. *Science International (Lahore)* 25(2):305-309
 40. M. Jamshed Khan, Asad Abbas, M. Naeem, **M. Mazhar Ayaz**, and Saleem Akhtar. (2013). Current trends and future prospectus of Dairy sector in Pakistan. *Science, Technology and Development*, 32(2):126-139
- 2012**
39. M.Saleem Akhtar, Adbul Asim Farooq, **M. Mazhar Ayaz**, M. Maqbool Hussain, Mushtaq Hussain Lashari and Syed Ayun Muhammad. 2012. Age related changes in Biometry of Genital organs of teddy Goats. *International Journal of Engineering, Science and Metallurgy*. Vol.1 No.2
 38. Muhammad Naeem, Abdus Salam, Muhammad Ashraf, Muhammad Imran, Mehtab Ahmad, Muhammad Jamshed Khan, **Muhammad Mazhar Ayaz**, Muzaffar Ali, Arshad Ali, Memoona Qayyum and Abir Ishtiaq (2011) Studies on seasonal variations of Physico-chemical parameters of Fish farm at Govt. Nursery Unit, Muzaffargarh, Punjab, Pakistan. *World Academy of Science, Engineering and Technology (WASET)* 60: 1120-1124.
 37. M. Asif Raza, H.M.Arshad, **M.Mazhar Ayaz**, S.Murtaza, H.A.Bachaya and A.Basit. 2012. Gastrointestinal Helminthes in Goats at the localities of Jatoi, Punjab, Pakistan. *Sci. Int.* 24(2):171-175.
 36. M. Jamshed Khan, A.Abbas, **Mazhar Ayaz**, M.Naeem, S.Qadir, M.Saleem Akhtar and W. Zia.2012. Effect of pre-heating and turning during storage period in hatchability and post hatch performance of broilers. *ISCA J. of Biol. Sci.* 1(2):1-6
 35. Muhammad Saleem Akhtar, Laeeq Akbar Lodhi, Abdul Asim Farooq, **M. Mazhar Ayaz**, Maqbool Hussain, Mushtaq Hussain Lashari and Zafar Iqbal Chaudhary. 2012. Effect of Oxytocin Administration before Milking on Milk Production, Somatic Cells Count and fat Contents in Milk of Nili-Ravi Buffaloes. *Pakistan Veterinary Journal*. 32(3): 435-437 **IF. 0.96**
 34. Muhammad Jamshed Khan, Asad Abbas, **Mazhar Ayaz**, Muhammad Naeem, M. Saleem Akhtar and Majid soomro. 2012. Factors affecting wool quality and quantity in sheep; Review article. *African J. Biotech.* Vol. 11(73): 13761-13766. Impact Factor **0.573**
 33. Asad Abbas, M. Jamshed Khan, M. Naeem, **Mazhar Ayaz**, Abubakar sufyan and Majid soomro.2012.Cation anion balance in avian diet:(a review). *Agricultural Science Research Journal*.2(6):302-307
 - 32.Muhammad Asif Raza, H.Allah Bachaya, M. Saleem Akhtar, H.M.Arshad, Saeed Murtaza, **Muhammad Mazhar Ayaz**, M.Naeem and Abdul Basit. 2012. Point Prevalence of Gastrointestinal Helminthiasis in Buffalo (*Bubalis bubalis*) at the vicinity of Jatoi, Punjab, Pakistan. *Science International (Lahore)* 24(4):465-469

- 31.M. Naeem, Amina Zuberi, Zaigham Hasan, Abdus Salam, M. Khalid, M.jamshed Khan, **M.Mazhar Ayaz**, M. Ashraf, M. Farhan Nasir, Saeed Akhtar Rasool, Majid Aziz and Abir Ishtiaq. 2012. Length-weight and length-length relationships of freshwater wild catfish *Mystus bleekeri* from Nala Daik, Sialkot, Pakistan. *African J. Biotechnology*. 11(50):11168-11172. **IF. 0.573**
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1. 2001. 6th International Veterinary immunology symposium, Uppsala, Sweden.
2. 2002. International conference on the molecular biology and technology of ciliates and anaerobic protozoa in Nijmegen, The Netherlands.
3. 2002. International conference on Hypodermosis in central Asia, Lanzhou, China.
4. 2003. 11th European poultry conference, Bremen, Germany.
5. 2004. 1st ASEAN congress of Parasitology and tropical medicine and 40th annual seminar of MSPTM, Kuala Lumpur, Malaysia.
6. 2004. International conference on biodiversity and Natural products, New Dehli, India.
7. 2004. Centre for animal ecology and conservation biology, Institute of zoology, Haidian, Beijing, China.
8. 2004. 5th World congress of Veterinary Dermatology, Vienna, Austria, August 25-28.
9. 2009. 6th Asian Buffalo congress, October 27-30, Lahore, Pakistan.
10. 2010. 30th Pakistan congress of Zoology, March 2-4, Faisalabad, Pakistan.
11. 2010. National conference on the strategies to improve red meat production in Pakistan. 13th October, 2010. Faculty of Vet. Sci. Bahauddin Zakariya University, Multan, Pakistan
12. 2011. 2nd International Conference of Plant Scientists & 11th National Meeting of Plant Scientists". February 22-24, 2011 at GC University, Lahore, Pakistan
13. Int. work shop on Dairy Science Park, No 2-23, 2011.
14. WASET conference at Dubai, UAE: ICECECE 2012
15. 34th Pakistan Congress of Zoology (International), 25-27 February, 2014, Jinnah Auditorium, BZU, Multan
16. 35th Pakistan Congress of Zoology (International), 1-4 March, 2015, Center of Marine Biology, University of Karachi, Karachi
17. 36th Pakistan Congress of Zoology (International), February 16-18, 2016. University of Sindh, Jamshoro, Sindh, Pakistan.
18. 12th International Goat Conference 2016, Antalya, Turkey, 24 September 2016 -1st October, 2016.
19. Kissan Mela on Development Finance for Non Farmer sector of Agriculture dated December 23, 2016 at MANSUA, Multan
20. 9th International Sheep Congress, 22nd May -26th May, 2017. Harrogate, UK
21. 1st International Conference on Biotechnology (ICB): Challenges and opportunities in Pakistan. October 11-12, 2017, Faculty of Basic Sciences & ORIC Lahore Garrison University, Lahore

22. 65th Entomology Conference, November 5-8, 2017 at the Denver Convention Center in Denver, Colorado, USA.
23. 38th Pakistan Congress of Zoology (International), February 27-March 1, 2018. University of the Punjab, Lahore, Pakistan.

MEMBER INTERNATIONAL CONFERENCE COMMITTEE

1. ICE 2015:17th International Conference on Entomology, December 3-4, 2015, Penang, Malaysia
2. ICE 2018:20th International Conference on Entomology, Penang, Malaysia December 3 - 4, 2018

ORAL PRESENTATIONS

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- © 2002. PCR reaction, DNA concentration, Electrophoresis. RIKEN, Saitama, Japan.
- © 2002. Regional seminar on prevalent and newly emerging poultry diseases. University of Agriculture, Faisalabad, April, 2002.
- © 2004. 1st ASEAN countries congress of Parasitology and tropical medicine and 40th annual seminar of MSPTM, Kuala Lumpur, Malaysia. March 2004.
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- © 34th Pakistan Congress of Zoology (International), 25-27 February, 2014, Jinnah Auditorium, BZU, Multan
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- © 12th International Goat Conference 2016, Antalya, Turkey, 24 September 2016 -1st October, 2016.
- © 2nd International Conference on Zoonoses-2016, October 20-21, 2016, Faculty of Veterinary Sciences, BZU, Multan
- © 1st National Conference on Emerging Trends and Challenges in Social Sciences, 15th-16th November, 2016, Department of Sociology, BZU, Multan
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- ◎ 14th Annual Conference of Medical Microbiology & Infectious Diseases Society of Pakistan on ‘One World One Health’ March 10-11, 2017 at Nishtar Medical College & Hospital, Multan
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PARTICIPATIONS/ ATTENDED

- International seminar on Microbial Diseases of Livestock & Poultry, College of Veterinary Sciences, Lahore Pakistan, 21st March 1998.
- Seminar on Buffalo production in Asia, Buffalo International Centre, Kasetsart Uni. Bangkok, Thailand. 13-15, March 2002.
- AMBO Course in RIKEN Institute, Saitama, Japan, March 2002.
- National conference on factors limiting dairy production in Pakistan. April 8-9, 2002.
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- 1st ASEAN countries congress on Tropical Parasitology, Kuala Lumpur, Malaysia. 21-24 March 2004.
- Collection of blood samples, one day training workshop at Livestock Training Center under FAO, Bhadur Nagar, Okara. 27 May 2004.
- International Training workshop on standard Diagnosis techniques of Livestock Health Diseases in developing countries. Lanzhou Veterinary Research Institute, Lanzhou, China. 12-18 September, 2004.
- 2010. 30th Pakistan congress of Zoology, March 2-4, Faisalabad, Pakistan.
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- ◆ National Seminar and Workshop on Environmental Toxicology and Health. March 8-9, 2011. Department of Pharmacology and Toxicology, University of Veterinary & Animal Sciences, Lahore, Pakistan.
- ◆ National Training Course on Food Safety Management System ISO 22000:2005 for Auditors/ Lead Auditors, 28th - 30th March 2011 at Multan.
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- ◆ One day seminar “ Trans boundary Animal Diseases in Pakistan” Organized by FAO on April, 29th 2014 at IMS Hall, BZU, Multan
- ◆ 1st International conference on Zoonoses, 16-17 October, 2014. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.
- ◆ One day work shop on” Developing Industrial Technologies” organized by ORIC, IRP and PASTIC Pakistan. 23rd October, 2014, at Auditorium of Biotechnology, BZU, Multan, Pakistan
- ◆ On day workshop “ Biosafety in Pakistan Challenges and solutions” Organized by Department of Food Sciences and American Society of Microbiology (ASM), 24th November, 2014., IMS Hall, BZU, Multan, Pakistan.
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- ◆ IV Paracour Summer Residency Course at University of Bari, Italy from 5th September, 2015 to 12th September, 2015, awarded by European College of Veterinary Parasitology (ECVP) Belgium
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- ◆ Two days International Conference on Malnutrition, Bahauddin Zakariya University, Multan, April 7-8, 2016
- ◆ 12th International Goat Conference 2016, Antalya, Turkey, 24 September 2016 -1st October, 2016
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- ◆ 11th International Biennial Conference of Pakistan Society for Microbiology, Applied Microbial Genomics in Public health, Food, Pharma and Agriculture. 18-20 December, 2017, Institute of Food Science and Nutrition, BZU, Multan
- ◆ 11th International Biennial Conference of Pakistan Society for Microbiology, Applied Microbial Genomics in Public health, Food, Pharma and Agriculture. Biosafety in Public Health Laboratories in the Eastern Mediterranean Region WHO-CHK Training Workshop, “Train the Trainer Course” 18-20 December, 2017, Institute of Food Science and Nutrition, BZU, Multan, BZU & Pakistan Society for Microbiology, Pakistan
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ABSTRACT BOOK EDITED:

Author: Prof. Dr.Zafar Iqbal and M.Mazhar Ayaz (2010)
National Conference on the strategies to improve red meat production in Pakistan. 13th October, 2010. Faculty of Vet. Sci. Bahauddin Zakariya University, Multan, Pakistan.

PROCEEDING BOOK EDITED:

Author: Prof. Dr.Zafar Iqbal and M.Mazhar Ayaz (2010)
National Conference on the strategies to improve red meat production in Pakistan, 13th October, 2010. Faculty of Vet. Sci. Bahauddin Zakariya University, Multan, Pakistan

AUTHOR OF BOOKS& BOOKLETS/CLASS NOTES:

1. Title: Janwarun say achi padawar lanay kaey chund sunaharay asool. In Urdu.
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4. Advance Techniques in Veterinary Entomology: Laboratory Procedures in Veterinary Entomology Diagnosis and exploration Mazhar Ayaz and Skindar Hayat (Author): LAP LAMBERT Academic Publishing (February 14, 2011) ISBN-10: 3844305130 ISBN-13: 978-3844305135
5. A Text Book on The Welfare, Management, Rights And Acts Of Laboratory Animals And Zoo Animals. Pub: 2011 ISBN/EAN: 978-3-8443-9275-3 ISBN-10:3-8443-9275-0 / 3844392750 ISBN-13: 978-3-8443-9275-3 / 9783844392753
6. Veterinary Protozoology Published 2012. ISBN 978-3-84543172-7, **ISBN-10:** 3845431725, LAMBERT
7. General Veterinary Parasitology. Text Book . 2012. BBS publishers, Multan.
8. A Guide For Veterinary Protozoology. Text Book. 2012. BBS Life Sciences Publishers, Multan
9. The Procedures in Veterinary Protozoology. Practical approach. 2012. 2nd edition. BBS Life Sciences Publishers, Multan
10. A compendium on Veterinary Helminthology. Pub. 2013. 1st Ed. BBS Life Sciences Publishers, Multan
11. Techniques for Helminthology. Pub. 2013. 1st Ed. BBS Life Sciences Publishers, Multan
12. Instant notes on Veterinary Entomology: 2014. ISBN-13: 1505446309, 9781505446302, CreateSpace Independent Publishing Platform Amazon Pub. For DVM and Post graduate students

DISTINCTIONS AND SCHOLARSHIPS

Distinctions in scouts Quiz Examination

Merit scholarship of Higher Secondary School Education Board

Merit scholarship of graduate education Board

MEMBERSHIPS OF HONORABLE SOCIETIES

- ☆ Member the American Association for the Advancement of Science (AAAS), USA
- ☆ Member American Society of Tropical medicine and Hygiene (ASTMH), USA
- ☆ International Goat Association, (IGA) USA
- ☆ Member World Poultry Veterinary Association (WPVA) Pakistan Branch
- ☆ International Society of Zoological Sciences, China ID:1272-I

- ☆ American Society of Microbiology, Washington, DC, USA ID:57224867
- ☆ Member Malaysian Society of Parasitology and Tropics Medicine, (MSPTM) Malaysia
- ☆ Member Alumni Association (UVAS)
- ☆ Member Royal Entomological Society, The Mension House, Chiswell Green Lane,
St. Albans, Hert AL2 NS, England
- ☆ Member of Pakistan Society of Parasitology (PSP) Life member.
- ☆ Member of Pakistan Veterinary Medical Council (PVMC) Life member
- ☆ Member of Coccidiologists of world
<http://biology.unm.edu/biology/coccidia/coccidiologists.htm>
- ☆ Member of American Society of Parasitologists (ASP), USA
- ☆ Subscriber member of Journal of Parasitology (USA)
- ☆ Subscriber member of Pakistan Veterinary Journal (PVJ)
- ☆ Member of International Buffalo Information Centre (IBIC), Bangkok, Thailand.
- ☆ Member of Society for Reproduction.
- ☆ Member of Pakistan Veterinary Medical Association (PVMA)
- ☆ Member of Blood Donor Association, CVS, Lahore
- ☆ Member of Graduate Memento Council, CVS, Lahore
- ☆ Member of Judo Karate, Kukishan , CVS, Lahore
- ☆ Certificate of Appreciation on Professional Quiz on PTV, Lahore
- ☆ Certificate on wining on championship tournament of District badminton, D.G. Khan.
- ☆ Member of District Boy Scouts Association

CERTIFICATES

- ◆ National Cadet Certificate (NCC), D.G. Khan. (1986-1988)
- ◆ Certificate from Planning and Development (R&D) Department , Lahore
(Appraisal of Projects) at D.G. Khan (1997)
- ◆ Urea Molasses Multi-Nutrient Block (UMMB) at Nuclear Institute of Agriculture &
Biology(NIAB), under guidance of IAEA (1998)
- ◆ Agriculture Extension from academy for Rural development, Peshawar(1998)
- ◆ Animal health and production from In service training Institute Bhuneky (Pattoki) (1998)
- ◆ Approach to Supra-molecular complexes and their functions-Glycobiology, lipid Biology
and microbiology on 25th Asian molecular Biology organization at RIKEN-The institute
of Physical and chemical research frontier research System, Wako-Shi, Saitama, Japan,
3-12 March, 2002.
- ◆ Public Health Parasitology, Department of Veterinary Parasitology, University of
Agriculture Faisalabad, Div. Education and Extension (2002)
- ◆ Community Development, Department of Rural Sociology, University of Agriculture
Faisalabad (2002)

- ◆ XIII Star Asia Award (2002) and Certificate of Excellence from South Asia Publication on May 2003 at Bharia Auditorium Karachi.
- ◆ Certificate on International Training Workshop on Standard Diagnosis techniques of Livestock Health Diseases in Developing Countries, 12-18 September, 2004, Lanzhou Veterinary Research Institute, Lanzhou, China.
- ◆ National Training Course on Food Safety Management System ISO 22000:2005 for Auditors/ Lead Auditors, 28th - 30th March 2011 at Multan.
- ◆ Three days HEC workshop on statistical modeling for improving the standards of Research and Education for University Professionals. 23-25 January, 2012 at UCA, BZU, Multan
- ◆ Three days cascading of Asian Institute of Technology (AIT), Thailand based training programme “Ensuring training Effectiveness” from 9-11th April, 2012 at UCA, BZU, Multan
- ◆ One day seminar/workshop on” Role of Homeopathy in Agriculture, Veterinary Medicine and Current Health Challenges” on 3rd May, 2012 at the Islamia University of Bahawalpur.
- ◆ Two days’ workshop on”Project Formulation Workshop” by Pakistan Science Foundation (PSF) on June 20-21, 2012 at BZU.
- ◆ Faculty Registration certificate by Pakistan Veterinary Medical Council, Pakistan.
- ◆ 34th Pakistan Congress of Zoology (International), 25-27 February 2014.BZU, Multan
- ◆ Participated One day workshop on “End Note-1” click solutions for researchers” May 22, 2014 organized by ASM-BZU, Agriculture Auditorium, BZU, Multan.
- ◆ 5th International congress on Agriculture food security and climate change. September, 09-11, 2014. University of Poonch, Rawalakot, AJK, Pakistan.
- ◆ 1st International conference on Zoonoses, 16-17 October, 2014. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.
- ◆ On day workshop “ Biosafety in Pakistan Challenges and solutions” Organized by Department of Food Sciences and American Society of Microbiology (ASM), 24th November, 2014., IMS Hall, BZU, Multan, Pakistan.
- ◆ Training Program on “ Stress Management” 21st January, 2015 at Multan Chamber of commerce and Industry, Multan, Pakistan.
- ◆ Two days International Conference on “Malnutrition in South Asia: The Peril persists. February 23-24, 2015, Department of Food Science & Technology, BZU, Multan
- ◆ 35th Pakistan Congress of Zoology (International) March 1-4, 2015 at University of Karachi, Karachi
- ◆ Molecular Diagnosis of infectious disease of Livestock & Poultry. 6-8 April, 2015. National Institute of Biotechnology and Genetic Engineering, Faisalabad, Pakistan

- ◆ Two days seminar on “Rangelands in Pakistan-Status, potential, opportunities and Tools/Measures for its improvements” April 28-29, 2015 at IMS Executive Hall, BZU. Organized by Department of Forestry & Range Management, BZU, Multan.
- ◆ IV ParSco Summer Residency Course at University of Bari, Italy from 5th September, 2015 to 12th September, 2015, awarded by European College of Veterinary Parasitology (ECVP) Belgium
- ◆ International seminar on poultry diseases, 14-15, December, 2015. Department of Pathology, University of Agriculture, Faisalabad, Pakistan
- ◆ 6th Annual Public Health Conference “Fragile health system: issues and challenges in Pakistan-harnessing opportunities” December 11-12, 2015. Health Services Academy, Park Road, Chack shahzad, Islamabad, Pakistan
- ◆ 36th Pakistan Congress of Zoology (International), 16-18 February, 2016. University of Sindh, Jamshoro, Pakistan
- ◆ International Livestock and, Dairy and Poultry Congress-2016, March 16-17, 2016, Expo Center, Johar town, Lahore, Pakistan
- ◆ 12th International Goat Conference 2016, Antalya, Turkey, 24 September 2016 -1st October, 2016
- ◆ 2nd International Conference on Zoonoses, October 20-21, 2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan
- ◆ 1st National Conference on Emerging Trends and Challenges in Social Sciences, 15-16 November, 2016, Department of Sociology, BZU, Multan
- ◆ 37th Pakistan Congress of Zoology (International), February 28-March 02, 2017. Government College University Faisalabad, Pakistan.
- ◆ Seminar on Strengthening Production and Marketing of Goats in Pakistan. 1st March 2017, University of Agriculture, Faisalabad.
- ◆ 14th Annual Conference of Medical Microbiology & Infectious Diseases Society of Pakistan on ‘One World One Health” March 10-11, 2017 at Nishtar Medical College & Hospital, Multan
- ◆ 3rd International Conference on Safe Food for All & Food Expo, March 2-3, 2017, Institute of Food Science and Nutrition, BZU, Multan
- ◆ 9th International Sheep Congress, 22nd May -26th May, 2017. Harrogate, UK
- ◆ 1st International Conference on Biotechnology (ICB): Challenges and opportunities in Pakistan. October 11-12, 2017, Faculty of Basic Sciences & ORIC Lahore Garrison University, Lahore
- ◆ 65th Entomology Conference, November 5-8, 2017 at the Denver Convention Center in Denver, Colorado, USA.
- ◆ 38th Pakistan Congress of Zoology (International), February 27-March 1, 2018. University of the Punjab, Lahore, Pakistan.
- ◆

JOB EXPERIENCE:

1. Lahore Veterinary Diagnostic Laboratory, Lahore (1992-1993)

Major Duties:

2. Post mortem of diseased birds.

3. Grams stain, Giemsa and acid fast staining for bacteria and parasites.
4. Culture and sensitivity
5. Antibody titration
6. Isolation of pathogens from litter, fluff, body organs, secretions, hatchery material and environment of poultry farm and water.

2. CANNON FEEDS (1993)

1. Sale of feed.
2. Technical help to the consumers and farmers.

3. RAHMAN VETERINARY LABORATORY AND CLINIC (1994)

MAJOR ASSIGNMENTS

1. Hematology of livestock.
2. Detection & isolation of microbial pathogens and causative agents for major livestock diseases.
3. Sensitivity for milk, pus, feces, urine and vaginal smears.
4. Detection of protozoa of blood and feces.
5. Treatment of metabolic and other general diseases.
6. Prophylactic measures against infectious diseases.
7. Schedule preparation for vaccination programme.
8. Feed ration planning.
9. Herd Mastitis Control measures.
10. Epidemiological survey for emerging diseases of livestock and poultry.

3. VETERINARY OFFICER, DEPARTMENT OF LIVESTOCK AND DAIRY DEVELOPMENT, GOVT. PUNJAB, PAKISTAN. (22-2-1994 to 18-4-2009)

Major Duties:

1. Planning for vaccination in the area.
2. Treatment for sick animals.
3. Supervision of the field staff.
4. Warble fly control measures in infested area.
5. Supervision of animal health activity in the area.
6. Collection of samples and serum for disease diagnostic laboratory as Veterinary Officer, DDL, D.G. Khan.
7. Slaughter house in charge and control of slaughtering and imposition of slaughter act.
8. Surgical interventions and procedures in routine surgical cases like Hernia, esophagotomy, rumenotomy, caesarian section, end to end anastomosis, intestinal correction of impacted mass.

4. Assistant Professor (23-4-2009 to till date).

Faculty of Veterinary Sciences, Department of Pathobiology, Veterinary Parasitology Laboratory, Bahauddin Zakariya University, Multan, Pakistan

COURSES TAKEN

1. General Parasitology and Protozoology.

2. Medicine Clinic-I
3. Laboratory and Zoo Animals Welfare and Management.
4. Meat and Slaughter House Byproducts Technology.
5. Practical Classes of Vet. Entomology.
6. Practical classes of Vet. Helminthology
7. Veterinary Epidemiology and Public health
8. Veterinary Helminthology
9. Pet animal welfare and management
10. Veterinary Entomology
11. General Veterinary Parasitology
12. Veterinary Protozoology
13. Meat Inspection
14. Meat Hygiene and Public Health
15. Chemotherapy of Parasitic Diseases (Post Graduate)
16. Advanced Parasitic Zoonoses (Post Graduate)
17. Vector-borne Zoonoses (Postgraduate)
18. LAD class (Veterinary Assistant Diploma class by Distance Learning Program)
19. VAD class (Veterinary Assistant Diploma class by Faculty of Veterinary Sciences)

ADMINISTRATIVE / MANAGERIAL DUTIES:

2010

1. Member Post Graduate Admission committee 2010
2. Secretary conference for the strategies to improve red meat production 2010.

2011

3. Laboratory staff Incharge Pathobiology, 2011
4. Estate and Buildings Incharge FVS, 2011-14

2013

5. Assistant Director Student Affairs, 2012-13
6. Admission committee DVM 2013
7. Student Advisor 2013-14

2014

8. Member Board of Faculty in FVS, BZU, letter No. Acad/BoS-BoF/ 730 dated 23-6-2014
9. Member Technical Scrutiny Committee of FVS, Notification No. Gen/P-4/7619 dated 1-7-2014
10. Member Faculty Examination Committee for M.Phil. Notification No. Acad/BoS-Vet. Sci/9385 dated 1-9-2014.

11. Member Under graduate & Post Graduate Admission Committee. Notification No. Ad-12/9043/R.S. Dated 22-8-2014.
12. Member Evaluation/ Technical Scrutiny Committee for FVS. No. FVS/D-971/14 dated 27-5-2014.
13. Secretary Organizing Committee for 1st International conference on Zoonoses, 16-17 October, 2014. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.
14. Member Faculty Prospectus Committee for Pathobiology year 2014-2015. No. FVS/D-605/14 dated 25-3-2014.
15. Member Admission Committee DVM 2014-15
- 2015**
16. Member Faculty Purchase Committee
17. Member Faculty Animal Purchase Committee
- 2016**
18. Focal Person ORIC, Faculty of Veterinary Sciences, BZU
- 2017**
19. Panel member of Examiners for DVM internes No. FVS/D-1081/17 dated 18-5-2017
20. Visit to Multan abattoir No.FVS/DPB/D-314/17 dated 22-11-2017

ORGANIZED CONFERENCES NATIONAL AND INTERNATIONAL

2010

- ◆ National conference on the strategies to improve red meat production in Pakistan. 13th October, 2010. Faculty of Vet. Sci. Bahauddin Zakariya University, Multan, Pakistan.

2014

- 1st International conference on Zoonoses, 16-17 October, 2014. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.

2016

- ◆ 2nd International conference on Zoonoses, 20-21 October, 2016. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.

EXTRA QUALIFICATIONS:

- a. Counter Part to **JICA** (Japan International Cooperation Agency).
- b. Community Trainer and Resource person for **F.A.O** (Mithawan Watershed management Project GCP/Pak/083/JPN).
- c. Community Trainer and Resource Person for **NRSP** (National Rural Support Programme).

- d. **Computer skill** (M.S. Word XP, PowerPoint XP, Excel XP, Adobe photo shop, Adobe Acrobat reader 6, ACD, In page 2000, Corel draw 9).

HONORS:

1. HEC Approved Supervisor
2. Secretary Conference” National Conference to Improve Red Meat Production” 2010
3. Secretary Departmental technical Committee for Purchase and civil Work for Faculty of Veterinary sciences, BZU, Multan Notification No. gen/P-4/9593 dated 22-12-2011
4. Member Post Graduate Admission Committee Notification No. ad-12/9043 dated 22-08-2014
5. Member Admission Committee 2013-14, 2014-2015
6. Secretary Organizing Committee “1st International conference on Zoonoses”, 16-17 October, 2014
7. Member Advance Board of Studies of Faculty of Veterinary Sciences, BZU, Multan Notification No. Acad/BOF-Veterin.Sci/12084 Dated 1-12-2014
9. 29th Khwarizimi International Award (KIA) Laureates, Iran (Applicant) 2015
10. Recipient of “ *Scientific Engagement Grant*” up to \$1300 USD to attend “17th International Congress on Infectious Diseases” at Hyderabad, India on March 2-5, 2016

PROJECTS

AWARDED & COMPLETED

1. **Dr. Muhammad Mazhar Ayaz** P.I and Prof. Dr. Skindar Hayat Co.PI:
Sero-epidemiological survey of trypanosomiasis in camel horses and donkeys of in and around Multan, Punjab.
Awarding agency: Bahauddin Zakariya University, Multan, Pakistan.
2. Prof. Dr. Zafar Iqbal PI and **Dr. Muhammad Mazhar Ayaz** Co. P I :
Epidemiological Survey Through Real Time PCR Of Cutaneous Leishmaniasis In Humans, Dogs, Rats And Flies of Rajan Pur, D.G. Khan, Layyah and Bakhar Districts Of Punjab, Pakistan.
Awarding agency: Higher Education Commission (HEC), Islamabad, Pakistan
Status: Approved/ In Progress.
3. **Dr. Muhammad Mazhar Ayaz** PI: Identification of Ectoparasites in Poultry.
Awarding agency: Directorate of Research, BZU
Status: Completed. 16/04/2013
4. **Dr. Muhammad Mazhar Ayaz** P.I .2015.Sero-Corpological ELISA detection of Liver Fluke in Goats of Multan.2015. Rs. 1,73,600/- Awarded By Directorate of Research and Linkages, Punjab, Pakistan

SUBMITTED

5. **Dr. Muhammad Mazhar Ayaz** and Prof. Dr. Masood Akhtar. 2014. Real Time PCR detection of *Cryptosporidium* spp. of animal origin from fresh milk and vegetables grown at animal farm in Multan and D.G.Khan of Southern Punjab. Submitted to HEC under NRPU. Amount 3.617 million rupees
6. **Dr. Muhammad Mazhar Ayaz** P.I and Dr. Rehan Sadiq Sheikh Co.PI. 2015. Experimental Preparation of Gut Associated Protein (GAP) Vaccine against Haemonchiasis to control losses in Small ruminants in free pastoral areas of Southern Punjab. Rs. Million 5.88120/- submitted to PARB, Punjab
7. **Dr. Muhammad Mazhar Ayaz** P.I & Dr. Taraneh Oncel Co-PI. 2015. Molecular characterization of *Hepatozoon canis* in dogs from Istunbul, Turkey and Multan, Pakistan; A Parasitological Survey and Capacity building between two countries. A project for PSF and TUBITAK International collaborative work. Submitted to Pakistan Science Foundation (PSF), Islamabad, Pakistan
8. **Dr. Muhammad Mazhar Ayaz** P.I & Dr. Muhammad Hanif Co-PI. 2016. Screening of Phytochemicals for the control of GIT cestodes (Helminths) infection in small ruminants. Submitted to HEC, Islamabad through ORIC of worth Rs.2.257 Million.
9. Pak-US collaborative project, HEC and Washington DC, USA
10. PERIDOT Research Program, Pak-French Collaboration, HEC

HOSTING AND INTERVIEWS IN TV SHOWS:

TV and Radio Talks/ Interviews/ Live Programs

Hosting and Interviews on TV Shows:

WASEEB Television shows telecasted during 2010 and aired in more than 35 Countries of World

2010

1. Zamindara
2. Kissan Baithak
3. Sitarun pay kamand

2011

1. Zamindara
2. Kissan Baithak

2012

1. Zamindara
2. Kissan Baithak

2014

1. Zamindara
2. Sawail De Rung (Live Morning TV Program)

For dengue awareness in General Public/ audiences.

“Sawail de Rung” is a morning transmission which is an extremely popular interactive morning show which invites renowned celebrity from different fields of life to come and be a part of your daily dose of entertainment. The viewers can also call in the program and share their views.

ORGANIZING EVENTS/ CONFERENCES

1. Annual Dinner 2010 Invitation Committee
2. National Conference on the Strategies to improve Red meat production in Pakistan, 13th October, 2010.
3. Fancy Bird Exhibition at FVS, BZU, Multan, April, 2011
4. Annual Dinner 2011 Invitation Committee
5. 1st International Conference on Zoonoses 15-16 October, 2014 (Secretary Conference), Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan

MEMBER INTERNATIONAL CONFERENCE COMMITTEE(S)

1. ICE 2015:17th International Conference on Entomology, December 3-4, 2015, Penang, Malaysia.
2. ICE 2018: 20th International Conference on Entomology, Penang, Malaysia December 3 - 4, 2018

TECHNICAL MEMBER FOR PUNJAB PUBLIC SERVICE COMMISSION

1. Punjab Public Service Commission,2010.No.PS-FB/PPSC-2010/133 dated 16-11-2010
2. Punjab Public Service Commission, 2012 PS-AA/PPSC-2012/ dated 12-03-2012
3. Punjab Public Service Commission,2012 PPSC-AA-II/2012/01dated 27-03-2012
4. Punjab Public Service Commission, 2016 PS-AA/PPSC-2016/ dated 12-03-2016
5. Punjab Public Service Commission,2016 PPSC-AA-II/2016/01dated 27-03-2016

EXTERNAL EXAMINER FOR OTHER UNIVERSITY

1. External Examiner for Adbul Hai, M.Phil student, Veterinary Parasitology, Supervised By Dr. Masood Akhtar, FVS, University of Agriculture, Faisalabad, 2010. No.2632-33 dated 05/08/2010

ADMINISTRATIVE DUTIES

2010

1. Member Post Graduate Admission committee 2010
2. Secretary conference for the strategies to improve red meat production 2010.

2011

3. Incharge, Laboratory staff Pathobiology, 2011
4. Incharge, Estate and Buildings Faculty of Veterinary Sciences, 2011-14

2013

5. Assistant Director Student Affairs, 2012-13
6. Admission committee Undergraduate Program DVM (5 years) 2013
7. Student Advisor 2013-14

2014

8. Member Faculty Prospectus Committee for Pathobiology year 2014-2015. No. FVS/D-605/14 dated 25-3-2014.
9. Member Evaluation/ Technical Scrutiny Committee for FVS. No. FVS/D-971/14 dated 27-5-2014.
10. Member Board of Faculty in FVS, BZU, letter No. Acad/BoS-BoF/ 730 dated 23-6-2014
11. Member Technical Scrutiny Committee of FVS, Notification No. Gen/P-4/7619 dated 1-7-2014
12. Look after of Dean Office in absence of Dean Office Order No. PF/21/Admin/8985 dated 21-08-2014
13. Member Under graduate & Post Graduate Admission Committee. Notification No. Ad-12/9043/R.S. Dated 22-8-2014
14. Member Faculty Examination Committee for M.Phil. Notification No. Acad/BoS-Vet. Sci/9385 dated 1-9-2014.
15. Look after of Dean Office in absence of Dean Office Order No. PF/21/Admin/9794 dated 17-09-2014
16. Secretary Organizing Committee for 1st International conference on Zoonoses, 16-17 October, 2014. Organized by Faculty of Veterinary Sciences, BZU, Multan, Pakistan.

2015

17. Member Faculty Self-evaluation Report Committee for accreditation of Faculty with PVMC, Notification No. FVS/D-1537/15 dated 27-08-2015

2016

18. Member Banner Committee in 2nd International Conference on Zoonoses. 2-21 October, 2016, FVS, BZU, Multan
19. Member Faculty Examination Committee for DVM, Internee 2017

ORGANIZING EVENTS/ ANNUAL DINNERS/ SHOWS

2011

1. Fancy Bird Exhibition at FVS, BZU, Multan, April, 2011
2. Annual Dinner , Invitation Committee Minutes of the Meeting dated 25th April, 2011

COLLABORATIVE WORK ACTIVITIES

1. Dr. Taraneh Oncel, Associate Professor, Pendik Veterinary Control Institute, Parasitology Lab., 34890, Pendik, Istanbul, Turkey
2. Dr. Shiv Kumar and J.P. Dubey. USDA, ARS, Animal Parasitic Diseases Laboratory, Beltsville Agricultural Research, USA
3. Yadong Zheng, State Key Laboratory of Veterinary Etiological Biology, Key Laboratory of Veterinary Parasitology of Gansu Province, Lanzhou Veterinary Research Institute, CAAS, Lanzhou 730046, China

INTERNATIONAL REFERENCES

1. Dr. Taraneh Oncel, Associate Professor, Pendik Veterinary Control Institute, Parasitology Lab., 34890, Pendik, Istanbul, Turkey
2. Professor Dr. Domenico Otranto, DVM, PhD, Dip. EVPC, FRES
Professor of Parasitic Diseases, Department of Veterinary Medicine University of Bari Str. prov. per Casamassima km 370010 Valenzano (Bari) ITALY
Tel +39 080 4679839, fax +39 080 4679837
3. Prof. Dr. Leandero Buffoni Perazzo, Animal Health Department(Parasitology and Parasitic Diseases), Faculty of Veterinary Medicine, University of Cardoba,Campus de Rabanales, Ctra, Madrid-Cadiz, km 396,14014 Cordoba, Spain, email: h12bupel@uco.es
Telephone: +34957218722 , Fax: +3495721106
4. Professor Dr. Martin Pfeffer, Institute of Animal Hygiene and Veterinary Public Health. Faculty of Veterinary Medicine, An den Tierkliniken 1, o4103 Leipzig, Germany
Email: pfeffer@vetmed.uni-leipzig.de.
Phone:+49(0)3419738150/52, Fax: :+49(0)3419738198
5. Yadong Zheng, State Key Laboratory of Veterinary Etiological Biology, Key Laboratory of Veterinary Parasitology of Gansu Province, Lanzhou Veterinary Research Institute, CAAS, Lanzhou 730046, China

6. Dr. Maria Esteve-Gassent, Veterinary Pathobiology, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University VMA316, TAMU-4467, College Station TX-77843, USA, MEsteve-Gassent@cvm.tamu.edu
7. Dr. Oleg Mediannikov at Institut hospitalo-universitaire (IHU) Méditerranée infection, Marseille, France, 19-21 Boulevard Jean Moulin 13385 Marseille cedex5, France, olegusss1@gmail.com

SUMMARY OF PROJECTS (University Level)

S. No.	Title of Project	Status	Funding Agency	Duration of Project	Amount of Project	Current Status of Project
1	Sero epidemiological survey of trypanosomiasis in camel horses and donkeys of in and around Multan, Punjab.	P.I	Bahauddin Zakariya University, Multan, Pakistan.	1 year	Rs.56000/-	Completed

2	Epidemiological Survey Through Real Time PCR Of Cutaneous Leishmaniasis In Humans, Dogs, Rats And Flies of Rajan Pur, D.G. Khan, Layyah And Bakhar Districts Of Punjab, Pakistan.	Co.PI	HEC	3 years	Rs.3.48 Million	Under way
3	Identification of Ectoparasites in Poultry	PI	BZU	1 year	Rs.67000/-	Completed
4	Sero-Coprological ELISA detection of Liver Flukes in different goat breeds of Multan,Pakistan	PI	BZU	1 year	173000/-	Completed
5	Lactogenic detection of Liver fluke through ELISA in goats	PI	BZU	1 year	158100/-	Completed

SUBMITTED (National/ International)

S. No.	Title of Project	Status	Funding Agency	Duration of Project	Amount of Project	Current Status of Project
1	Dr. Muhammad Mazhar Ayaz and Prof. Dr. Masood Akhtar. Real Time PCR detection of Cryptosporidium spp. of animal origin from fresh milk and vegetables	P.I	HEC	3 yr	Rs. 3.617 million rupees /-	Submitted

	grown at animal farm in Multan and D.G.Khan of Southern Punjab. Submitted to HEC under NRPU					
2	Dr. Muhammad Mazhar Ayaz P.I and Dr. Rehan Sadiq Sheikh Co.PI. Experimental Preparation of Gut Associated Protein (GAP) Vaccine against Haemonchiasis to control losses in Small ruminants in free pastoral areas of Southern Punjab	PI	PARB, Punjab	3 yrs	Rs.Million 5.88120/-	submitted to PARB, Punjab
3	Dr. Muhammad Mazhar Ayaz P.I & Dr. Taraneh Oncel Co-PI. 2015. Molecular characterization of <i>Hepatozoon canis</i> in dogs from Istunbul, Turkey and Multan, Pakistan; A Parasitolgical Survey and Capacity building between two countries.	PI	PSF and TUBITAK International collaborative work. Submitted to Pakistan Science Foundation (PSF), Islamabad, Pakistan	3 yr	Rs.3.8 Million Rupees	PSF and TUBITAK International collaborative work. Submitted to Pakistan Science Foundation (PSF), Islamabad, Pakistan
4	Dr. Muhammad Mazhar Ayaz P.I & Dr. Muhammad Hanif Co-PI. 2016.	PI	HEC, Islamabad	3 yr	Rs.2.257 Million.	Submitted to HEC, Islamabad

	Screening of Phytochemicals for the control of GIT cestodes(Helminth) infection in small ruminants.					
5	Muhammad Irfan Ullah and M. Mazhar Ayaz, 2016. Isolation of phenolic compounds from commonly available mushrooms in Pakistan and evaluation of immunomodulatory and antiprotozoal effects in broiler	Co PI	ALP, NARC, Islamabad	3 yrs	Rs. 1.6 Million	Submitted
6	2016. Molecular Characterization and validation of <i>Fasciola hepatica</i> diagnosis in goats through LAMP method	PI	ALP, NARC, Islamabad	3 yrs	Rs.51.95 Million	Submitted
7	Genomaping of Vector role of <i>Ixodes racinus</i> for Rickettsia in dogs and its Whole Genome Sequence (WGS)	PI	American Society of Microbiology (ASM)	3 yrs	\$324,000	Submitted

8	Molecular detection, validation and characterization of Babesia spp. in Water Buffalo (<i>Bubalis bubalis indicus</i>) in Multan, Southern Punjab, Pakistan	PI	Pak-US Collaborative Project	3 yrs	\$499,999	Submitted
9	Molecular Diagnosis and Characterization of Tick-Borne Pathogens (TBPs) in Southern Punjab, Pakistan	PI	Pak-French Collaborative Project	3 yrs	Rs.250,000	Submitted
10	Preparation of micro RNA (mi RNA) therapy against <i>Toxocara vitulorum</i> in buffalo calves	PI	ALP, NARC, Islamabad	3 yrs	Rs.7.992 Million	Submitted
11	Screening of Phytochemicals for the control of GIT cestodes (Helminths) infection in small ruminants	PI	NRPU, HEC, Islamabad, Pakistan	3 yrs	Rs. 4.342630 millions	Awarded
12	Molecular Characterization and validation of Fasciola hepatica diagnosis in goats through LAMP method	PI	Thematic Research Grant, HEC, Islamabad, Pakistan	1 yrs	3.4 million	submitted
13	Potential Screening of Phytochemicals from indigenous		The Innovative Veterinary Solutions for	33 months	1018525 CA\$	Submitted

	plants of Pakistan against Selected Resistant Microbes (Neospora spp., Eimeria maxima, E. tenella, Salmonella spp., and Escherichia coli) of Poultry: A Multi-Pronged approach		Antimicrobial Resistance (InnoVet-AMR)/ IDRC/ CRDI, Canada & UK			
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