

LIST OF PUBLICATIONS AUTHORED BY DR. MIAN MUHAMMAD AWAIS

a. SCIENTIFIC PUBLICATIONS

i.	Impact Factor (IF) Publications	-----	37
ii.	HEC Recognized Publications	-----	10
	Total (I + II)	-----	47

i. Internationally Indexed Impact Factor Publications

Sr. No.	Manuscript Details	IF
1.	Awais MM , M Akhtar, F Muhammad, AU Haq and MI Anwar, 2011. Immunotherapeutic effects of some sugar cane (<i>Saccharum officinarum</i> L.) extracts against coccidiosis in industrial broiler chickens. <i>Experimental Parasitology</i> , 128(02): 104-110.	2.122
2.	Awais MM , M Akhtar, Z Iqbal, F Muhammad, MI Anwar, 2012. Seasonal prevalence of coccidiosis in industrial broiler chickens in Faisalabad, Punjab-Pakistan. <i>Tropical Animal Health and Production</i> , 44(02): 323-328.	1.09
3.	Awais MM and M Akhtar, 2012. Evaluation of some sugarcane (<i>Saccharum officinarum</i> L.) extracts for immunostimulatory and growth promoting effects of in industrial broiler chickens. <i>Pakistan Veterinary Journal</i> , 32(03): 398-402.	1.365
4.	Akhtar M, MI Anwar, Z Iqbal, F Muhammad, MM Awais , AU Haq and EH Sawicka, 2012. Immunological evaluation of two local isolates of <i>Eimeria tenella</i> gametocytes against coccidiosis in poultry. <i>Pakistan Veterinary Journal</i> , 32(01): 77-80.	1.365
5.	Akhtar M, A Hai, MM Awais , Z Iqbal, F Muhammad, AU Haq and MI Anwar, 2012. Immunostimulatory and protective effects of <i>Aloe vera</i> against coccidiosis in industrial broiler chickens. <i>Veterinary Parasitology</i> , 186(3-4): 170-177.	2.381
6.	Akhtar M, AF Tariq, MM Awais , Z Iqbal, F Muhammad, M Shahid and E Hiszczynska-Sawicka, 2012. Studies on wheat bran Arabinoxylan for its immunostimulatory and protective effects against avian coccidiosis. <i>Carbohydrate Polymers</i> , 90(01): 333-339.	3.479
7.	Muhammad F, M Akhtar, IJ Hassan, ZU Rehman, MM Awais , MK Saleemi and MI Anwar, 2012. Quantitative Structure activity relationship and risk analysis of some pesticides in cattle milk. <i>Pakistan Veterinary Journal</i> , 32(04): 589-592.	1.365
8.	Muhammad F, MM Awais , M Akhtar and MI Anwar, 2013. Quantitative Structure activity relationship and risk analysis of some pesticides in cattle milk. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 10: 04.	1.012
9.	Iqbal Z, ZU Rahman, F Muhammad, T Khaliq, H Anwar, MM Awais and S Sadaf, 2013. Oxytocin induced oxidative stress in lactating <i>Bubalis bubalis</i> (Nili Ravi). <i>BMC Veterinary Research</i> , 9: 169.	1.743
10.	Kashif M, T Ahmad, A Shakoor, MY Rana, MM Awais , SA Muhammad, A Yousaf, M Yaqoob, Z Iqbal, A Nasir and ME Baber, 2013. Comparative Efficacy of enrofloxacin	0.060

	and oxytetracycline as systemic dry period therapy for the control of <i>Bubaline</i> mastitis. Buffalo Bulletin, 32(Special Issue 2): 1002-1008.	
11.	Kaleem QM, M Akhtar, MM Awais , M Saleem, M Zafar, Z Iqbal, F Muhammad and MI Anwar, 2014. Studies on <i>Emblica officinalis</i> derived tannins for its immunostimulatory and protective activities against coccidiosis in industrial broiler chickens. The Scientific World Journal, 2014: 378473.	1.219
12.	Nadeem M, A Yousaf, Z Iqbal, MM Awais and BA Pervez, 2014. Prevalence, diagnosis and treatment of mycoplasmosis in game birds. World's Poultry Science Journal, 70(01): 69-80.	1.089
13.	Razzaq A, K Ashraf, A Maqbool, M Islam, A Hannan, MM Awais , MA Khetran, S Jan, M Shafee, M Essa and H Kakar, 2014. Epidemiology, sero-diagnosis and therapeutic studies on nematodes infection in Balochi range-sheep at district Quetta, Balochistan, Pakistan. Iranian Journal of Parasitology, 9(02): 169-180.	0.857
14.	Awais MM , M Akhtar, Z Iqbal and F Muhammad, 2014. <i>Saccharum officinarum</i> derived high molecular mass glycoproteins as native biological response modifiers in chickens. Pakistan Veterinary Journal, 34(04): 464-468.	1.392
15.	Akhtar M, AA Ahmed, MM Awais , MK Saleemi, K Ashraf and EH Sawicka, 2014. Seroprevalence of <i>Toxoplasma gondii</i> in the backyard chickens of the rural areas of Faisalabad, Punjab, Pakistan. International Journal of Agriculture and Biology, 16: 1105-1111.	0.808
16.	MA Zaman, M Sajid, A Sikandar, TU Rehman and MM Awais , 2014. Point Prevalence of Gastrointestinal Helminths and their Association with Sex and Age of Buffaloes in Lower Punjab, Pakistan. International Journal of Agriculture and Biology, 16: 1229-1231.	0.808
17.	Javed M, F Rizvi, AW Manzoor, MM Awais , RSA Khan and AUH Khan, 2014. Comparative evaluation of conventional and molecular diagnostic methods for Newcastle disease during an Outbreak in Punjab, Pakistan. Pakistan Journal of Agricultural Sciences, 51(3): 701-707.	1.049
18.	Iqbal Z, ZU Rahman, F Muhammad, M Akhtar, MM Awais , T Khaliq, A Nasir, M Nadeem, K Khan, HM Arshad and MA Basit, 2015. Effect of oxytocin on serum biochemistry, liver enzymes and metabolic hormones in lactating Nili Ravi buffaloes. Tropical Animal Health and Production, 47(01): 21-27.	0.870
19.	Akhtar M, MM Awais , MI Anwar, S Ehtisham-ul-Haque, A Nasir, MK Saleemi and K Ashraf, 2015. The effect of infection with mixed <i>Eimeria</i> species on hematology and immune responses following Newcastle disease and Infectious bursal disease booster vaccination in broilers. Veterinary Quarterly, 15(01): 21-26.	1.047
20.	Ehtisham-ul-Haque S, SU Rahman, MI Khan, M Younus, MM Awais and A Nasir, 2015. A simplified duplex real-time PCR incorporating TaqMan minor groove binder (MGB) probes and exogenous internal positive control for the simultaneous detection of <i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> isolates from chickens. Veterinarni Medicina, 60(05): 268-273.	0.560
21.	Ullah MI, M Akhtar, Z Iqbal, M Shahid and MM Awais , 2015. Immunomodulating and Antiprotozoal Effects of Different Extracts of the Oyster Culinary-Medicinal Mushroom	1.357

	<i>Pleurotus ostreatus</i> (Higher Basidiomycetes) Against Coccidiosis in Broiler. International Journal of Medicinal Mushrooms, 17(03): 309-317.	
22.	Raza A, F Muhammad, S Bashir, MI Anwar, MM Awais , M Akhtar, B Aslam, T Khaliq and MU Naseer, 2015. Antiviral and immune boosting activities of different medicinal plants against Newcastle disease virus in poultry. World's Poultry Science Journal, 71(03): 523-532.	0.974
23.	Waheed M, F Muhammad, I Javed, M Akhtar, MK Saleemi, T Khaliq, MM Awais and MI Anwar, 2015. Dermatoprotective effects of some plant extracts (genus Ficus) against experimentally induced toxicological insults in rabbits. Toxicology and Industrial Health, 31(11): 982-989.	1.688
24.	Abbas Y AW Sahota, M Akram, S Mehmood, J Hussain, M Younus, MM Awais and AR Sial. 2015. Effect of different feed restriction regimes on growth performance and economic efficiency of Japanese quails. Journal of Animal and Plant Sciences, 25(04): 966-970.	0.422
25.	Anwar MI, F Muhammad, MM Awais and M Akhtar, 2017. A review of β -glucans as a growth promoter and antibiotic alternative against enteric pathogens in poultry. World's Poultry Science Journal, 73(03): 651-661.	0.974
26.	Rizwan HM, M Akhtar, Z Iqbal, MM Awais and MI Anwar, 2017. Evaluation of <i>Avena sativa</i> derived arabinoxylans as native biological response modifiers in broilers. International Journal of Agriculture and Biology, 19(04): 834-840.	0.758
27.	Khaliq K, M Akhtar, MM Awais and MI Anwar, 2017. Evaluation of immunotherapeutic effects of <i>Aloe vera</i> polysaccharides against coccidiosis in chicken. Kafkas Universitesi Veteriner Fakultesi Dergisi, 23(06): 895-901.	0.452
28.	Ullah MI, M Akhtar, MM Awais, MI Anwar and K Khaliq, 2018. Evaluation of immunostimulatory and immunotherapeutic effects of tropical mushroom (<i>Lentinus edodes</i>) against eimeriasis in chicken. Tropical Animal Health and Production, 50(1): 97-104.	1.089
29.	Navid MT, UI Farooq, AI Latif, MM Awais , MI Anwar, M Akhtar and AB Zahur, 2018. Prevalence of foot and mouth disease virus in apparently healthy buffaloes brought to Islamabad slaughterhouse in Pakistan. Tropical Biomedicine, 35(1): 161-167.	0.418
30.	Awais MM , M Akhtar, MI Anwar and K Khaliq, 2018. Evaluation of <i>Saccharum officinarum</i> L. bagasse-derived polysaccharides as native immunomodulatory and anticoccidial agents in broilers. Veterinary Parasitology, 249: 74-81.	2.009
31.	Akhtar M, M Humayun, Z Iqbal, MM Awais and MI Anwar, 2018. Evaluation of biological response modifying and immunotherapeutic activities of barley derived arabinoxylans against coccidiosis in commercial broilers. Turkish Journal of Veterinary and Animal Sciences, 42(1): 55-64.	0.513
32.	Ahmad S, A Khaliq, TN Pasha, S Mehmood, K Hussain, S Ahmad, B Rasheed, MM Awais and SA Bhatti, 2018. Influence of feeding <i>Moringa oleifera</i> pods as phytogenic feed additive on performance, blood metabolites, chemical composition and bioactive compounds of breast meat in broiler. Kafkas Universitesi Veteriner Fakultesi Dergisi, 24(2): 195-202.	0.411

33.	Ullah MI, M Akhtar, MM Awais , MI Anwar and K Khaliq, 2018. Immunological and anti- <i>Eimeria</i> effects of hot water and methanolic extracts of <i>Pleurotus sajor-caju</i> in broiler. Kafkas Universitesi Veteriner Fakultesi Dergisi, 24(6): 893-898.	0.411
34.	Ullah MZ, MM Awais , M Akhtar, MI Anwar, MT Navid, I khan and A Razzaq, 2018. Seroprevalence, associated risk factors and hematological impacts of toxoplasmosis in small ruminants of Multan, Punjab-Pakistan. Tropical Biomedicine, 35(4): 1028-1040.	0.418
35.	Ahmad A, AA Anjum, M Rabbani, K Ashraf, MM Awais , M Nawaz, N Ahmad, A Asif and S Sana, 2019. Effect of fermented rice bran on growth performance and bioavailability of phosphorus in broiler chickens. Indian Journal of Animal Research, 53(3): 361-365.	0.437
36.	Anwar MI, MM Awais , M Akhtar, MT Navid and F Muhammad, 2019. Nutritional and immunological effects of nano-particles in commercial poultry birds. World's Poultry Science Journal, 75 (02), 261-272.	1.364
37.	Awais MM , MA Jamal, M Akhtar, MR Hameed, MI Anwar and MI Ullah, 2019. Immunomodulatory and ameliorative effects of Lactobacillus and Saccharomyces based probiotics on pathological effects of Eimeriasis in broilers. Microbial Pathogenesis, 126(1): 101-108.	2.581

ii. HEC Recognized/Scopus Indexed Publications

Sr. No.	Manuscript Details
1.	Bibi F, S Qaisrani, M Ayaz, M Nazir, A Ahmad, MM Awais , B Khan and M Akhtar, 2018. Occurrence of endoparasites in some selected fishes of Chenab river, Pakistan. Bangladesh Journal of Zoology, 46(1), 53-61.
2.	Akhtar M, E Hyszczynska-Sawicka, MM Awais , MI Anwar and M Stankiewicz, 2016. Simplified RNA Extraction from <i>Trichostrongylus</i> Infected Sheep Blood to Amplify Ovine Interleukin-6 Gene. Pakistan Journal of Life and Social Sciences, 14(01): 57-59.
3.	Ali MA, LA Lodhi, MM Awais , Faiz-ul-Hassan and W Ahmad, 2016. Effect of birth weight and sex of the calf on incidence of calving disorders in buffaloes in Punjab province, Pakistan (a case study). Science International, 28(3): 3179-3182.
4.	Muhammad SA, A Shakoor, M Younus, MM Awais , M Kashif, MK Maan, MR Hameed and MS Akhtar, 2015. Surgical Rectification of Congenital Type II Atresia ani Leading to Recto-Vaginal Fistula in Cattle Calves. Pakistan Journal of Life and Social Sciences, 13(01): 62-63.
5.	Farooq AA, MH Lashari, MS Akhtar, MM Awais , S Inayat and M Akhtar, 2015. Prevalence of Bovine Fascioliasis in Different Commercial and Non-commercial Dairy Farms of District Rajanpur, Punjab, Pakistan. Pakistan Journal of Life and Social Sciences, 13(01): 8-11.
6.	Nazir KHMNH and MM Awais , 2014. Expression Profiles of Fungal Cytochrome P450 Genes: A Mini Review. Journal of Pure and Applied Microbiology, 8(01): 81-87.
7.	Awais MM , M Akhtar, Z Iqbal and F Muhammad, 2013. <i>Saccharum officinarum</i>

	derived mid molecular mass glycoproteins as native biological response modifiers in chickens. Pakistan Journal of Life and Social Sciences, 11(03): 200-207.
8.	Mukhtar M, MM Awais , MI Anwar, Z Hussain, N Bhatti and S Ali, 2012. Pathogenicity and effect of exogenous antibodies on the viability of <i>Mycoplasma gallisepticum</i> in chicken Embryos, Pakistan Journal of Life and Social Sciences, 10(01): 13-17.
9.	Mukhtar M, MM Awais , MI Anwar, Z Hussain, N Bhatti and S Ali, 2012. Seroprevalence of <i>Mycoplasma gallisepticum</i> among commercial layers in Faisalabad, Pakistan. Journal of Basic and Applied Sciences, 08: 183-186.
10.	Imtiaz F, M Akhtar, MM Awais , F Muhammad and H Jamil, 2011. Standardization and application of modified counter immuno-electrophoresis for the detection of antigenic response against <i>Haemonchus contortus</i> in rabbits. Pakistan Journal of Life and Social Sciences, 09(01): 13-16.

b. ABSTRACTS PUBLISHED

1. **Awais MM**, MZ Ullah M Akhtar, MI Anwar, MT Navid, I khan and A Razzaq, 2018. Seroprevalence, associated risk factors and hematological impacts of toxoplasmosis in small ruminants of Multan, Punjab-Pakistan. 14th International Congress of Parasitology held on August 19-24, 2018 at Exco, Daegu, Korea.
2. M Akhtar, S Mumtaz, **MM Awais**, MI Anwar and MI Ullah, 2018. Evaluation of biological response modifying and immunotherapeutic effects of *Ficus religiosa* derived extracts against coccidiosis in chickens. 14th International Congress of Parasitology held on August 19-24, 2018 at Exco, Daegu, Korea.
3. Ali MA, **MM Awais**, FU Hassan, W Ahmad, R Dilshad, E Ahmad and N Ijaz, 2018. Studies on effect of asphalt on semen quality and freezability of Lohi rams. The 55th Annual Meeting of the Society of Cryobiology held on July 10-13, 2018 at Madrid, Spain.
4. Fayyaz A, MK Saleemi, SU Rehman, A Fayyaz, MN Naseem, **MM Awais** and UH Khan, 2017. Major fungus infections and their control in Pakistan. 10th International Conference on Clinical Virology, Fungal Infections & Infectious Diseases held on December 4-5, 2017, Dubai, UAE, Journal of Virology and Antiviral Research, 6: 4.
5. Rauf N, M Akhtar, MA Hafeez, MK Saleemi and **MM Awais**, 2017. Effect of *Embllica officinalis* derived tannins on cell mediated immune response and their protective efficacy against coccidiosis in chickens. International parasitology Conference held on October 25-26, 2017 at University of Veterinary and Animal Sciences, Lahore, Pakistan.
6. Tariq M and **MM Awais**, 2016. Role of dairying in food sovereignty in Pakistan. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore on 16-17 March 2016.
7. Ali MA, LA Lodhi, M Akhtar, **MM Awais**, MR Hameed, H Anwar, W Ahmad, AR Khalid, Z Iqbal and A Fayyaz, 2016. Effect of organic metabolites on dystocia in riverine buffaloes

- of Pakistan. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore, Pakistan (March 16-17, 2016).
8. Lashari MH, A Ehsan, N Sial, S Naqvi, MS Akhtar, AA Farooq, MM Ayaz, **MM Awais** and **M Akhtar**, 2016. Cystic echinococcosis of slaughtered ruminants in Bahawalpur municipal abattoir, Punjab, Pakistan. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore, Pakistan (March 16-17, 2016).
 9. Hameed MR, MZ Khan, M Akhtar, MK Saleemi, **MM Awais**, S Ahmad, AR Khalid, E Ahmad, Z Iqbal and MA Ali, 2016. Immunopathological consequences of ochratoxigenesis and associated effects on oxidative parameters in day old broilers. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore, Pakistan (March 16-17, 2016).
 10. Nazir MM, M Akhtar, A Maqbool, K Ashraf, **MM Awais**, G Yasin, MS Nabeel, AN Ahmad, DS Lindsay, 2016. Prevalence of Neospora caninum antibodies in the serum of camels (*Camelus dromedarius*) at Rakh Mahni from Bhakkar, Pakistan. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore on 16-17 March 2016.
 11. Raza M, S Bashir, MI Anwar, F Muhammad, **MM Awais** and M Akhtar, 2016. Effects of nano-particles on the productivity of commercial poultry birds: A review. International Livestock, Dairy and Poultry Congress (ILDPC) held at Expo Centre, Johar Town, Lahore on 16-17 March 2016.
 12. Ullah MI, M Akhtar and **MM Awais**, 2016. Immunological and anti-eimeria activities of hot water and methanol extracts of *Pleurotus sajor-caju* in broiler. International Poultry Scientific Forum, Concurrent Meeting of The Southern Poultry Science Society 37th Annual Meeting and The Southern Conference on Avian Diseases 57th Annual Meeting held at Georgia, USA on January 25-26, 2016.
 13. Anwar MI, F Muhammad, A Raza, **MM Awais** and M Akhtar, 2016. One health approach to prevent food-borne Salmonellosis: A review. 2nd International Conference on Zoonoses-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 20-21 October 2016.
 14. Lashari MH, S Naqvi, N Sial, Z Tasawar, MS Akhtar, M Ayaz, AA Farooq, SS Zahra and **MM Awais**, 2016. First report on incidence of Giardia infection in cholistani calves of the river Sutlej areas, Bahawalpur, Pakistan. 2nd International Conference on Zoonoses-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 20-21 October 2016.
 15. Nadeem A, T Ahmad, M saqib, MI Ullah, MM Awais, MR Hameed and AR Khalid, 2016. Sero-prevalence of equine brucellosis in five districts of Punjab province of Pakistan. 2nd International Conference on Zoonoses-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 20-21 October 2016.
 16. Tariq M, MM Awais, P Akhtar, SU Rehman and A Hameed, 2016. Poultry health hazards and their zoonotic implications. 2nd International Conference on Zoonoses-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 20-21 October 2016.

17. Anjum S, I Khan, A Shakoor, M Younus, K Muhammad, S Ali, **MM Awais**, A Nasir and H El-Adawy, 2016. Seroepidemiology of brucellosis in pregnant and women presented with abortion in rural and urban areas in three selected districts of Punjab province, Pakistan. 2nd International Conference on Zoonoses-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 20-21 October 2016.
18. Akhtar M, HM Rizwan and **MM Awais**, 2015. *Avena sativa* derived arabinoxylans as native biological response modifiers in chicken. 29th EFFoST International Conference, Athens, Greece, November 10-12, 2015.
19. **Awais MM** and M Akhtar, 2015. Evaluation of biological response modifying activities of sugar cane bagasse derived polysaccharides in chickens. 29th EFFoST International Conference, Athens, Greece, November 10-12, 2015.
20. Akhtar M, **MM Awais** and A Jamil, 2015. Immunotherapeutic effects of *Saccharum officinarum* derived mid molecular mass glycoproteins against coccidiosis in broiler chickens. International Livestock, Dairy & Poultry Congress, Expo Centre, Lahore, Pakistan, 14-15 April 2015.
21. Ehtisham-ul-Haque S, U Waheed, **MM Awais**, A Nasir and MK Rafique, 2014. Loop-mediated isothermal amplification (LAMP) assay: a powerful inovative diagnostic tool for the rapid molecular detection of zoonotic pathogens in developing countries. 1st International Conference on Zoonoses-2014, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 16-17 October 2014.
22. Akhtar M, AA Ahmed, **MM Awais**, MI Anwar, MK Saleemi, K Ashraf and E Hiszczynska-Sawicka, 2014. Seroprevalence of *Toxoplasma gondii* in the backyard chickens of the rural areas of Faisalabad, Punjab, Pakistan. 1st International Conference on Zoonoses-2014, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 16-17 October 2014.
23. Hussain T, N Chaudhry, **MM Awais**, B Aslam, M Arshad and M Adil, 2014. Sero-prevalence of brucellosis among the indigenious breeds of buffaloes in urban, peri urban and randomly selected villages of district Pakpattan, Pakistan. 1st International Conference on Zoonoses-2014, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 16-17 October 2014.
24. Chaudhry N, T Hussain, B Aslam, MK Rafique and **MM Awais**, 2014. Study on sero-prevalence of brucellosis among the buffaloes and cattle in urban, peri urban and rural areas of district Mandibahuddin, Pakistan. 1st International Conference on Zoonoses-2014, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan, 16-17 October 2014.
25. **Awais MM** and M Akhtar, 2014. Biological response modifying and immunotherapeutic activities of sugar cane bagasse derived fatty acids against coccidiosis in industrial broiler chickens. The 10th Asia Pacific Poultry Conference, ICC Jeju, Korea, October 19-23, 2014.
26. Iqbal Z, ZU Rahman, M Akhtar, T Khaliq, **MM Awais**, A Nasir, M Nadeem and M Kashif, 2014. Effect of oxytocin on serum biochemistry, liver enzymes and metabolic hormones in lactating Nili Ravi buffaloes. International Livestock, Dairy & Poultry Congress, Aiwan-e-Iqbal Complex, Lahore, Pakistan, 11-12 March 2014.

27. Muhammad SA, A Shakoor, M Younus, MR Hameed, **MM Awais**, M Kashif, MK Maan and MS Akhtar, 2014. Surgical rectification of congenital type II *Atresia ani* leading to recto-vaginal fistula in two cow calves. International Livestock, Dairy & Poultry Congress, Aiwan-e-Iqbal Complex, Lahore, Pakistan, 11-12 March 2014.
28. **Awais MM**, M Akhtar, F Muhammad, A Jamil, Z Iqbal, MA Zaman, S Ehtisham-ul-Haque and MR Hameed, 2014. *Saccharum officinarum* derived high molecular mass glycoproteins as native BRMs in broiler chickens. International Livestock, Dairy & Poultry Congress, Aiwan-e-Iqbal Complex, Lahore, Pakistan, 11-12 March 2014.
29. Zaman MA, Z Iqbal, M Younus, S Ehtisham-ul-Haque and **MM Awais**, 2014. Evaluation of anti-coccidial activity of a herbal extract against caecal coccidiosis. International Livestock, Dairy & Poultry Congress, Aiwan-e-Iqbal Complex, Lahore, Pakistan, 11-12 March 2014.
30. Javed M, F Rizvi, AW Manzoor, **MM Awais**, RSA Khan and AUH Khan, 2014. Validity of conventional and molecular diagnosis of Newcastle disease during an outbreak in Punjab, Pakistan. International Livestock, Dairy & Poultry Congress, Aiwan-e-Iqbal Complex, Lahore, Pakistan, 11-12 March 2014.
31. Kashif M, T Ahmad, A Shakoor, MY Rana, **MM Awais**, SA Muhammad, A Yousaf, M Yaqoob, Z Iqbal, A Nasir and A Khan, 2013. Comparative efficacy of enrofloxacin and oxytetracycline as systemic dry period therapy for the control of bubaline mastitis. The 10th World Buffalo Congress and the 7th Asian Buffalo Congress, Hilton Phuket Arcadia Resort and Spa, Phuket, Thailand, May 6-8, 2013.
32. Zaman MA, Z Iqbal, MN Khan, G Muhammad, M. Younus and MM Awais, 2013. Scientific validation of ethnobotanicals used against parasites in Pakistan. International Conference and Exhibition on Traditional and Alternative Medicine held at Hyderabad, India. December 09-11, 2013.
33. Muhammad F, **MM Awais**, M Akhtar and MI Anwar, 2013. Quantitative Structure activity relationship and risk analysis of some pesticides in cattle milk. 1st International Conference on Global Environmental Changes, GC University, Faisalabad, Pakistan, January 15-16, 2013.
34. Akhtar M, A Hai, F Muhammad, **MM Awais** and MI Anwar, 2011 Immunostimulatory and Protective Effects of *Aloe vera* against Coccidiosis in Industrial Broiler Chickens. *Planta Medica*, 77.
35. Akhtar M, F Muhammad, AU Haq, I Hussain, **MM Awais**, K Ashraf and MI Anwar, 2010. Effect of induced coccidiosis in three hybrid strains of industrial broiler chicken. B.S.P. Spring meeting and trypanosomiasis and Leishmaniasis Seminar, Cardiff University, Wales, UK. March 29th – April 1st, 2010.

Research Monographs/ Lab Manuals /Booklets/Abstract Books

a. Books/Booklets	-----	03
b. Research Monographs	-----	04
c. Conference Proceeding Books	-----	04
Total (a+b+c)	-----	11

a. Books/Booklets

1. Akhtar M, MI Anwar, MR Hameed, MM Awais et al. 2017. Para-vets Training Guide. The Elite Scientific Publications, Pakistan (**ISBN: 978-969-8753-14-6**).
2. Shakoor A, M Kashif, A Nasir, S Ehtisham-ul-Haque, A Hussain, **MM Awais** and A Yousaf, 2014. Veterinary Medicine Practical Note Book. The Elite Scientific Publications, Pakistan. (**ISBN: 978-969-7517-07-7**).
3. Anwar MI, M Akhtar, **MM Awais** and Ahmad Raza, 2013. Turkey Farming. The Elite Scientific Publications, Pakistan. (**ISBN: 978-969-8753-07-8**).

b. Research Monographs

1. Kaleem QM, M Akhtar and **MM Awais**, 2015. *Emblica Officinalis* Derived Tannins as Native BRMs in Poultry. Lambert academic Publishing, Germany (**ISBN: 978-3-659-70615-8**).
2. Ahmad AA, M Akhtar and **MM Awais**, 2014. Status of Toxoplasmosis in backyard poultry of Pakistan. Lambert academic Publishing, Germany (**ISBN: 978-3-659-63311-9**).
3. Tariq AF, M Akhtar and **MM Awais**, 2013. Wheat bran derived Arabinoxylans: Native Immunomodulators. Lambert academic Publishing, Germany (**ISBN: 978-3-659-32573-1**).
4. **Awais MM** and M Akhtar, 2011. Immunostimulatory and protective effects of sugar cane in chickens. VDM Verlag Dr. Muller Aktiengesellschaft & Co KG, Saarbrücken, Germany (**ISBN: 978-3-639-36178-0**).

c. Conference Proceeding Books

1. Akhtar M and **MM Awais**, 2016. Abstract Book of International Livestock, Dairy and Poultry Congress -2016. The Elite Scientific Publications, Pakistan (**ISBN: 978-969-8753-11-5**).
2. Akhtar M and **MM Awais**, 2016. Abstract Book of 2nd International Conference on Zoonoses-2016. The Elite Scientific Publications, Pakistan (**ISBN: 978-969-8753-13-9**).
3. Akhtar M and **MM Awais**, 2015. Abstract Book of International Livestock, Dairy and Poultry Congress -2015. The Elite Scientific Publications, Pakistan (**ISBN: 978-969-8753-10-8**).
4. Akhtar M and **MM Awais**, 2014. Abstract Book of 1st International Conference on Zoonoses-2014. The Elite Scientific Publications, Pakistan (**ISBN: 978-969-8753-09-2**).

POLICY DOCUMENTS/ RECOMMENDATION NOTES

1. Drafted a policy paper to address the zoonotic issues in the country/region in consultation with experts at 1st International Conference on Zoonoses-2014 held at Bahauddin Zakariya University, Multan-Pakistan (October 16-17, 2014)
2. Drafted a policy paper for national/international policy making bodies and funding agencies to formulate the future strategies for effective control of zoonotic diseases in the country/region in consultation with experts at 2nd International Conference on Zoonoses-2016 held at Bahauddin Zakariya University, Multan-Pakistan (October 20-21, 2016)
3. Drafted Modules of DVM Internship Program (for the very first time in the country by holding 3 consecutive national workshops on developing/updating of internship modules) in consultation with stakeholders from Industry and Academia for hands on trainings of DVM internees in different organizations to meet the needs of Livestock and Poultry Sectors in the country.

POPULAR ARTICLES

- Awais MM**, Akhtar M, Anwar MI and Jamil H, 2011. Key Principles for healthy life in buffalo and cattle calves. *Zarii Digest*, 46 (2): 59,65.
- Kaleem QM, Akhtar M, **Awais MM** and Anwar MI, 2011. Parasites of Poultry, their economic losses and control. *Zarii Digest*, 46 (2): 64-65.
- Ullah MI, Akhtar M and **Awais MM**, 2011. Immunomodulation in animals. *Zarii Digest*, 46(4): 72.
- Tabassum R, **Awais MM**, Ali S and Anwar MI. Newcastle disease, an infectious disease of poultry, its signs and symptoms, treatment and control. *Veterinary News and Views*, 24-30 November.
- Awais MM** and Akhtar M, 2011. Dengue Fever: A global threat to mankind. *Veterinary News and Views*, 08-15 December.
- Hai A, Akhtar M, Haq AU and **Awais MM**, 2012. Parasites, their importance and control. *Kisan Time*, January, pp: 24-26.
- Rizwan HM, Akhtar M, Humayun M and **Awais MM**, 2012. Preparation of poultry shed before the arrival of chicks. *Zarii Digest*, 47(3): 35-36.
- Humayun M, Akhtar M, **Awais MM** and Rizwan HM, 2012. Some important diseases of calves and their control. *Zarii Digest*, 47(4): 31, 52.
- Ikrima, **Awais MM**, Abbas Y and Younus, M. 2014. Early bird mortality in chickens and its control. *Veterinary News and Views*.
- Naseer U, Akhtar M, Kaleem QM, Anwar MI, **Awais MM**, 2013. Economic losses due to parasitism in livestock industry. *Zarii Digest*, 48(1): 36-37.

- Raza A, MI Anwar, MM Awais, M Akhtar, 2016. Congo Fever and Preventive Measures. Veterinary News and Views
- Fayyaz A, MM awais, M Akhtar, 2016. Significance of Sheep and Goat in national Economy. Veterinary News and Views.
- Fayyaz A, **MM Awais**, MI Anwar and M Akhtar, 2017. Vector-Borne Diseases: A Public Health Hazard. Agro-Veterinary News, 24(02), 04.
- Ullah MI, MM Awais, MI Anwar and M Akhtar, 2017. A Myth - Use of Hormones in Poultry feed. Agro-Veterinary News
- Fayyaz A, MM Awais, MI Anwar and M Akhtar, 2018. Importance of colostrum in cattle and buffalo calves. Agro-Veterinary News, 24(09), 20.
- MM Awais, M Akhtar, A Fayyaz and MI Anwar, 2018. Tick borne diseases and their control. Agro-Veterinary News, 24(10), 19-20.
- Fayyaz A, RH Mirza, MI Anwar, **MM Awais** and M Akhtar, 2018. Care and production of sheep and goats. Agro-Veterinary News, 25(02), 15-16.