

CURRICULUM VITAE

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I am currently serving in the University of Agriculture, Faisalabad as a Assistant Professor in Department of Clinical Medicine & Surgery. This Department being the clinical department has the core responsibility to train the undergraduate and postgraduate students pertaining to clinical skills. The department shares about 30% of the courses offered to DVM degree students which include veterinary clinical medicine, veterinary preventive medicine, small & large animal's surgery, diagnostic imaging and animal welfare etc. A small colony of lab animals is maintained for use in research and xeno-diagnosis.

I am leading one of the two surgical units of the Department. I have to attend clinical cases of both large and small animals presented to the OPD of the Department of Clinical Medicine and Surgery. Along with this, I have to teach major courses of the Undergraduate and Postgraduate Degree Programmes. So far, I have taught following major courses to Under Graduates in alternate semesters; **Surg-601 Anaesthesiology and Intensive Care**, (in which different anaesthetic techniques are taught and demonstrated to undergraduate students), **Med-602 Small Animal Surgery** (in which different internal and external operative procedures on experimental small animals specially in dogs), **Surg-611 Large Animal Surgery and Shoeing** (in which different operative procedures are performed on large animals), **Surg-504 Surgery Clinic-I, Surg-602 Surgery Clinic-II, Surg-603 Surgery Clinic-III** and **Surg-613 Surgery Clinic-IV** (students perform different clinical procedures on experimental animals along with attending the clinical cases under the supervision of teacher).

While regarding Post Graduate Courses I was Principal Instructor in the following courses

Surg-701 Advances in Small Animal Surgery

Surg-703 Advances in Large Animal Surgery

Surg-704 Advances in Surgical Techniques

Surg-722 Advances in Veterinary Anaesthesia and Analgesia

EPH-703 Public Health Principles, Practices and Evaluation

EPH-710 Public Health Principles and Practices

I have got **1st Position** in my **M Phil.** Degree program securing **3.96/4.00** CGPA in 2010. I have expertise in food and companion animal anaesthesia and surgery. I have performed some major operations like herniorrhaphy and hernioplasty in farm animals, rumenotomies and ruminal cannulations in goats and bulls, caesarean sections in large and small animals along with some excision and exploratory surgeries. In case of General Surgery course of Undergraduate I have to perform all internal and external surgical procedure on experimental animals for class demonstration.

In 2018, I have completed my **Ph. D.** degree from Department of Clinical Medicine and Surgery, University of Agriculture, Faisalabad. Antibiotics tainted milk is of grave concern not only for public health perspective but also for dairy industry. I have tried to overcome the threat by using non-antibiotic antibacterial option to replace antibiotics in animals for the very first time in Pakistan.

Education

Degree	Start Date	End date	Field of study	Institute
Ph. D.	19-03-2011	02-10-2018	Clinical Medicine & Surgery	UAF
M. Phil	01-09-2008	15-08-2010	Clinical Medicine & Surgery	UAF
DVM	01-12-2003	30-06-2008	Veterinary Science	UAF
HSCC	01-09-2000	30-06-2002	Pre-medical	B.I.S.E. Multan Pakistan
SCC	01-04-1998	30-06-2000	Science Group	B.I.S.E. Multan Pakistan

Awards and Honors

2010 *Certificate of Appreciation on securing 1st Position in M Phil.*

2008-2010 *University Merit Scholarship Holder*

Funded Research Grants

Research grant of **PKR 2.235** million as **PI** under Technology Transfer entitled “**Application of a non-antibiotic oral formulation for the treatment of mastitis in dairy animals in district Faisalabad**” by Endowment Fund Secretariat, UAF.

Positions Held

2nd Dec. 2010-21st Aug. 2024 Lecturer, Department of Clinical Medicine & Surgery UAF,

22nd Aug, 2024 to date Assistant Professor, Department of Clinical Medicine & Surgery UAF

Trainings and Foreign Tours

- 1- Attended a 5 days training entitled “Detection and Prevention of Infectious Zoonotic Diseases” under umbrella of The Centre for Agriculture and Food Security and Preparedness, University of Tennessee, USA, in Jordan. (2017).
- 2- Attended two weeks long training entitled “Veterinary Clinical Procedures in Large and Small Animals” organized by Pakistan Veterinary Medical Council (PVMC) and University of Veterinary and Animals Sciences, Lahore (2017).
- 3- Attended 3-day training on “Orthopaedic Surgery” organized by Pakistan Veterinary Medical Council (PVMC) (2020).

Professional Affiliations

1. Member Pakistan Veterinary Medical Council.
2. Vice President Graduate’s Circlage Committee 2008.
3. Member of the committee constituted to initiate a new degree program “MS in Veterinary Practices”
4. Member Pakistan Small Animal Veterinary Association (PakSAVA).
5. Served as Senior Academic Advisor, Faculty of Veterinary Science, UAF.
6. Serving as Deputy Director Student’s Affairs, UAF.
7. Served as Associate Editor, Pakistan Veterinary Journal (**IF 2.80**)

Key Skills

- Use of anaesthesia in companion and food animals.
- Basic knowledge of radiology and ultrasonography.
- Corrective and exploratory surgery in companion and food animals.
- Handling and treatment of different conditions resulting into endotoxemia and septicaemia.
- Evaluation of Hypertonic saline solution in different clinical conditions.
- Seeking the suitable alternatives for wound closure/healing
- Non-antibiotic antibacterials use to mitigate antimicrobial resistance in veterinary practice
- Attending emergency cases at OPD of the teaching Hospitals of the Department.

Postgraduate Research Projects Supervised as Principal Supervisor (34 completed)

1. Anaesthetic evaluation of Medetomidine alone and in combination with Ketamine, Nalbufin and Medazoalm in dogs.
2. Effect of single superphosphate and di-calcium phosphate supplementation on Surf Field Mastitis Scores of existing intra-mammary infections & milk quality.
3. Clinical disease profiles of sacrificial small ruminants with special reference to respiratory tract infections.
4. Comparative Therapeutic efficacy of black seed oil as a cardiac stimulant and remedy of peritonitis induced septicaemia in rabbits.

5. Comparative wound healing activity of turmeric and neem oil as compared to Oxoferin® on full thickness cutaneous wounds in rabbits.
6. Prevalence of *Cryptococcus neoformans* in Bovine Mastitis in District Faisalabad.
7. Evaluation of Vitamin C and zinc supplementation in amelioration of induced avian pathogenic *Escherichia coli* (APEC) infection in broiler chicks.
8. Determination of intraocular pressure as a potential marker for the assessment of clinical hydration status in sheep and goats.
9. Comparative wound healing efficacy of Acacia honey and povidone on diabetic cutaneous wounds in a rat model.
10. Comparative evaluation of tissue staples and conventional suture material silk for the apposition of linear skin incision in rabbits.
11. Comparative wound healing efficacy of turmeric, honey alone and in combination on burn wound in rabbit model.
12. Clinical and laboratory investigations of urinary stones/crystals in small ruminants in hospital settings.
13. Evaluation of preventive and therapeutic role of Vitamin C supplementation on colibacillosis in rabbits.
14. Evaluation of comparative wound healing efficacy of aloe vera and acacia honey alone and in combination on burn wounds in rabbit model.
15. Evaluation of comparative wound healing efficacy of aloe vera and turmeric alone and in combination on burn wounds in rabbit model.
16. Comparison of Photochemical tissue bonding using Rose Bengal (RB) dye and skin sutures for closure of incisional cutaneous wounds in a canine model.
17. Antibacterial activity of lignocaine (I) *In vitro* susceptibility of selected pathogens and, (II) *In vivo* evaluation against *Staphylococcus epidermidis* in surgical wound infection model
18. Antibacterial activity of diclofenac sodium (I) *In vitro* susceptibility of selected pathogens and, (II) *In vivo* evaluation against *Staphylococcus epidermidis* in surgical wound infection model.
19. Comparative wound healing efficacy of photochemical tissue bonding using rose Bengal dye with cyanoacrylate-based tissue glue in incisional cutaneous wounds in rabbit model.
20. A survey of zoonotic parasites (*Toxoplasma gondii* and *Giardia*) in dogs and cats presented to government and private veterinary clinics of Faisalabad
21. Comparative wound healing efficacy of Turmeric, Silver nanoparticle and silver sulfadiazine on burn wound model in rabbits
22. Amelioration of paracetamol induced liver damage with apple peel in rabbits
23. Dermatophytosis in cats: (I) Prevalence in Faisalabad (II) evaluation of antifungal activity of *aloe vera gel* in clinical cases
24. Comparative wound healing efficacy of *aloe vera gel*, silver nanoparticles and silver sulphadiazine on burn wound model in rabbits
25. Evaluation of tissue adhesives as an alternative to routine suturing in cystotomy closure.
26. Comparative evaluation of fishing net/net fabric and proline in repair of experimental hernia induced in rabbits.
27. Dynamics of administration of cefipime through different routes as antimicrobial prophylaxis in intestinal surgery.
28. Prophylactic use of pomegranate peel extract against intranasal induction of *P. multocida* infection in rabbits

29. Evaluation of nephroprotective effects of watermelon seeds against gentamicin-induced nephrotoxicity in rabbits.
30. A survey of zoonotic *Ancylostoma* spp (Hookworms) in owned cats of Faisalabad
31. Evaluation of *in-vitro* and *in-vivo* antibiofilm activity of tri-sodium citrate against mixed infection of *Staphylococcus aureus* and *Escherichia coli*
32. Investigation on prevalence of *Hemonchus contortus* and coccidiosis in small ruminants of Faisalabad
33. Prevalence and associated risk factors of chronic obstructive pulmonary in District Gujranwala (M. Phil Epidemiology and Public Health)
34. Prevalence and identification of risk factors associated with peptic ulcer disease in District Gujranwala (M. Phil Epidemiology and Public Health)

Postgraduate Research Projects Supervised as Member Supervisory Committee. (40 students)

1. Morphological and histometrical changes in bursa and testes of guinea fowl (*Numida meleagris*) in different breeding seasons.
2. Antibacterial activity of trifluoperazine; (I) *In vitro* susceptibility against selected pathogens and, (II) *in vivo* evaluation against Methicillin-resistant *Staphylococcus aureus* in surgical wound infection model.
3. Evaluation of wound healing activity of Shingraf (a mineral origin ayurvedic medicine) on full thickness cutaneous wounds in a rabbit model.
4. Evaluation of therapeutic efficacy of Defroxamine alone and in combination with hyper vitaminosis-C as an adjunct to rational therapy in peritonitis induced septic shock in dogs.
5. Race related problems of Greyhounds in selected areas of Pakistan.
6. Evaluation of efficacy of single bilateral intratesticular injection of hypertonic saline solution (HSS) as a chemical sterilizing agent in dogs.
7. Microbiological and seroepidemiological analysis of contagious caprine pleuroneumonia in Khyber Pakhtunkhwa.
8. Comparison of effect of different suture materials and patterns on healing of incised skin wound in a rabbit model.
9. Evaluation of Preventive and therapeutic role of vitamin C supplementation on pasturelosis in rabbits.
10. Occurrence of microbial contamination among various operation theatres of selected veterinary hospital in Punjab, Pakistan
11. Comparative prevalence of zoonotic nematodes (hookworms, *toxocara canis*, *Trichuris vulpis*) in stray and owned dogs of Faisalabad Metropolitan.
12. Comparison of Photochemical tissue bonding using Rose Bengal dye (RB) and Skin sutures for closure of incisional cutaneous wounds in a rabbit model.
13. Comparative evaluation of single, bilateral intratesticular injection of hypertonic saline solution and calcium chloride as chemical sterilizing agents in male cats.
14. Development of an indirect ELISA using recombinant VP2 protein of Infectious Bursal Disease virus
15. Seroprevalance of Foot and Mouth Disease (FMD) by complement fixation analysis in District Muzaffargarh

16. Effect of meloxicam and ketoprofen on the efficacy of hypertonic saline solution based chemical castration in rabbits
17. Therapeutic evaluation of tomato and camphor alone and in combination for the treatment of oral ulcer in rabbit model
18. Evaluation of antifungal activity of *Aloe vera* gel for the treatment of *Microsporium canis* infection in rabbit model.
19. Therapeutic evaluation of baking soda, coconut oil and *aloe vera* gel alone and in combination for the treatment of induced oral ulcer in rabbit model.
20. Evaluation of therapeutic hepatoprotective efficacy of orange and banana peel against NSAID induced hepatotoxicity in rabbit model
21. Evaluation of *in vitro* and *in vivo* Antibacterial activity of orange and apple peel extract against Methicillin Resistant *Staphylococcus aureus* (MRSA)
22. Comparison of tissue adhesive and conventional suturing to close intestinal invasion after enterotomy.
23. Therapeutic efficacy of tyloxapol as a non antibiotic alternative against *methicillin resistant Staphylococcus aureus* infected wound in a rabbit model.
24. Dynamics of administration of moxifloxacin through different routes as antimicrobial prophylaxis in urogenital surgery.
25. Sheep semen cryopreservation and artificial insemination at Department of Theriogenology, UAF.
26. Therapeutic efficacy of nanocomposite mediated photodynamic therapy against arsenic induced skin cancer in Wistar rats model.
27. Treatment of induced hemolytic anemia using polyherbal extract in rabbits.
28. Evaluation of *Moringa olifera* leave powder in the treatment of Phenyl-hydrazine induced anemia in rabbit
29. Therapeutic evaluation of *Punica grantum* (L.) fruit peel extract for treatment of experimentally induced pasturellosis in rabbits
30. Investigation of therapeutic hepatoprotective efficacy of potato and cucumber peel powder against paracetamol induced hepatotoxicity in rabbit model.
31. *Microsporium canis*: (i) molecular characterization of isolates recovered from pet dogs in Faisalabad (ii) antifungal activity of apple cider vinegar against *Microsporium canis*
32. Quantification of the impact of tent pegging on the bio-mechanics and physiology of horses (*Equus caballus*)
33. Comparative therapeutic efficacy of *Syzygium aromaticum* (clove) and *Vaccinium macrocarpon* (cranberry) alone and in combination *vis a viz.* antibiotic use for the treatment of induced urinary tract infection (UTI) in the rabbit model
34. Documentation of fungi associated with skin infection in cats
35. A study on the impact of udder morphometry on subclinical mastitis in dairy cattle
36. Evaluation of oral anti-oxidant N-acetyl cysteine and zinc sulphate combination with conventional antibiotic therapy for the treatment of mastitis in goats
37. Effect of adding clove extract to semen extender on post thaw quality of buck spermatozoa
38. Evaluation of *in-vitro* and *in-vivo* antibacterial and antibiofilm activity of clove oil, apple cider vinegar and mixture of both against methicillin resistant *Staphylococcus aureus*
39. *In-vitro* evaluation of antibacterial and antibiofilm activity of clove oil against *Klebsiella pneumonia*

40. Production of *Staphylococcus aureus* biofilm and anti-biofilm activity of apple cider vinegar, penicillin and vancomycin against *Staphylococcus aureus* biofilm
41. Evaluating the antimicrobial potential of calcium zincate nanoparticles against *Pseudomonas aeruginosa* biofilms

Publications (Total Impact Factor- 15.473)

- 1- Haroon, K., F. Hassan, M. R Sajid, T. Sahar, M. Ijaz, M. T Mohyud-din, **A. Manzoor**, M. Babar, A. Rashid and K. Iqbal **2024**. Anti-Proliferative Effect of Biosynthesized Zinc Oxide Nanoparticles Using *Albiza Lebbeck* Leaves Extract Against Arsenic Induced Liver Cancer in Rats; Pakistan Journal of Agricultural Sciences.61 :923-929; **(IF 0.856)**
- 2- Asif, I., M.T.M. Din, M. Ijaz, **A. Manzoor**, F. Hassan, M.S. Mehmood, F. Aslam, M. Saim and Z.M. Din. **2024**. Evidence Based Investigation of the Hepatoprotective Potential of Orange Peel and Banana Peel. Pakistan Journal of Agricultural Sciences. 61: 695-702. **(IF 0.856)**
- 3- Rizwan, M., H.M.U. Abid, M. Akhlaq, S. Khan, **A. Manzoor**, B. Khiljee, M. Ansari, S. Rana, U. Javaid and S. Shoukat, **2024**. Comparative efficacy of *Aloe vera* (*Alobarbadensis*) and turmeric (*Curcuma longa*) on burn wound healing in rabbit model. *Journal of Population Therapeutics and Clinical Pharmacology*, 31(2), pp. 526–534. doi: 10.53555/jptcp.v31i2.4402.
- 4- Yaseen A, **A Manzoor**, M Imran and U Shehzadi. **2023**. Chronic Obstructive Pulmonary Disease (COPD): Emphysema or Chronic Bronchitis. *Biological Times*, 2(12): 3-4
- 5- Ali, A., M. Ijaz, **A. Manzoor**, Z.M. Din, M.T.M. Din, F. Hassan, S. Arooj and M. Shafaq, **2022**. Evaluation of potential use of mosquito net as an alternative and cheaper source for hernia repair in rabbits. *Journal of Global Innovations in Agricultural Sciences*. 10:139-146.
- 6- Din, Z.M., M. Ijaz, D. Chaman, **A. Manzoor**, F. Aslam, M.S. Shafeeq, A. Ahmad, M.E. Tariq and D. Sameen. **2022**. Comparative study of ovariectomy by laparoscopic and conventional open surgery methods in bitches. *Journal of Global Innovations in Agricultural Sciences*. 10:165-170.
- 7- Ijaz M, **Manzoor A**, Mohy-ud-Din MT, Hassan F, Mohy-ud-Din Z, Ans M, Saleem MI, Khan HH and Khanum F, **2021**. An economical non-antibiotic alternative to antibiotic therapy for subclinical mastitis in cows. *Pak Vet J*. 41(4):475-80 <http://dx.doi.org/10.29261/pakvetj/2021.059> **(IF: 1.318)**
- 8- S. Ashok, M. Ijaz, **A. Manzoor**, M. F. Qadir and S. Nazir, **2021**. Antibacterial activity of trifluoperazine; *in vitro* susceptibility of MRSA *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *E. Coli*, and *in vivo* evaluation against methicillin resistant *Staphylococcus aureus* in surgical wound infection model. *The J. Anim. Plant Sci.*, 31 (5); 1287-1292. **(IF 0.59)**
- 9- **Manzoor, A.** , G. Muhammad, F. Deebea and M. I. Arshad, **2020**. Therapeutic evaluation of an out of the box oral non-antibiotic formulation against clinical mastitis in buffalos. *Pak. J. Agri. Sci.*, Vol. 57(1), 269-274 **(IF- 0.677)**
- 10- T. Rehman, R. Aslam, A.I. Aqib, M. Mohsin, **A. Manzoor**, M. Shoaib, M.A. Naseer, A. Hassan, H. Sattar, M.F. Kulyar, I. Muzammil and W. Yao, **2020**. Phylogeny of hospital acquired MRSA, and its phenotypic clinic-epidemiology with vancomycin resistant *S. aureus* (VRSA). *Microb. Pathogenesis*, 14: 104537. **(IF. 2.914)**

- 11- M. Ali, M. Ijaz, **A. Manzoor**, M.T. Mohy-ud-Din, F. Hassan, R. Tabassum, Z.A. Bhutta, W. Ali, M. Muneeb, U. Mehtab and M.A. Zafar, **2020**. Efficacy of *Azadirachta indica* (Neem) leaf extract and hypertonic saline solution as intratesticular chemical sterilizing agents in dogs. *Braz J Vet Res Anim Sci.* 2020;57(4): e171582. <https://doi.org/10.11606/issn.1678-4456.bjvras.2020.171582>.
- 12- M. Ijaz, R.A. Aleem, **A. Manzoor**, A.S. Qureshi, F. Hassan, M.T. Mohy ud Din, Z. Mohy ud Din, K. Hayyat and R. Tabassum, **2019**. Comparative Evaluation of Single, Bilateral Intra-Testicular Injection of Hypertonic Saline Solution and Calcium Chloride as Chemical Sterilizing Agents in Male Cats. *Biomed J Sci & Tech Res* 21(3)-2019. BJSTR. MS.ID.003598.
- 13- N. Afsheen, K. Rahman, N. Jahan, M. Ijaz, **A. Manzoor**, K.M. Khan and S. Hina, **2018**. Cardioprotective and Metabolomic profiling of selected medicinal plants against oxidative stress. *Oxidative Medicine and Cellular Longevity*. Volume 2018, Article ID 9819360, 17 pages (**IF- 4.936**)
- 14- S. Umar, M. Ahmad, I. Ahmad, N. Ahmad, M. Zubair, Z. Umar, A. Sarwar, **A. Manzoor** and A. Murtaza. **2017**. Correlation of Biochemical Constituents of Seminal Plasma with Semen Quality in Teddy Goat (*Capra hircus*) Bucks. *Andrologia*.e12940. <https://doi.org/10.1111/and.12940>. (**IF- 1.588**)
- 15- A. Raza, A. G. Qamar, **A. Manzoor**, M. Ijaz, K. Hayat, T. Rehman, M. Shakeel and G. Muhammad, **2017**. Detection of Biofilm production by *Staphylococcus aureus* and *in-vitro* inhibition of biofilm using serum antibodies. *Matrix Science Medica* 1(2); 07-10
- 16- A. Humayun, G. Muhammad, Z. Iqbal, M. A. Zafar, **A. Manzoor** and M. Ijaz, **2017**. Evaluation of therapeutic efficacy of deferroxamine as an adjunct to rational therapy alone or in combination with vitamin C in induced endotoxemia in dogs. *Journal of Entomology and Zoology Studies*, 5(6): 2036-2042
- 17- H.M. Shahbaz, **A. Manzoor**, M. Ijaz, M. S. Mahmood, M. T. Mohy-ud-Din, A. Masood and A. H. Gaad and A. G. Qamar, **2017**. Comparative Wound Healing Efficacy of Neem Oil, Turmeric and Oxoferin® On Full Thickness Cutaneous Wounds in a Rabbit Model. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)* Volume 10, Issue 2, PP 66-71.
- 18- A.S. Qureshi, Ziaullah, M.Z. Ali and **A. Manzoor**, **2016**. Pre-hatch growth and development of selected internal organs of domestic duck (*Anas platyrhynchos*). *Pak Vet J*, 36(3): 307-311. (**IF- 0.813**)
- 19- M.Z. Ali, A.S. Qureshi, S. Rehan, S.Z. Akbar and **A. Manzoor**, **2015**. Seasonal variations in histomorphology of testes and bursa, immune parameters and serum testosterone concentration in male guinea fowl (*Numida meleagris*). *Pak Vet J*, 35(1): 88-92. (**IF- 0.822**)
- 20- A. Tariq, A. Shahzad, R. Kuasar, A. Mehfooz, **A. Manzoor**, M. Ijaz, I. Rashid, N. Mahmood, J. Tahir, S.H.T. Zaidi, U.A. Fiaz and M.S. Qureshi, **2013**. Gangrenous Mastitis: An Important *Staphylococcus aureus* Related Problem in Goat Husbandry. *Advances in Animal and Veterinary Sciences*. 2 (1): 46 – 49.
- 21- **A. Manzoor**, M.A. Zafar, M. Ijaz, A. Raza, M. Ahmed, **2012**. Use of Chellidonium® (A Homeopathic Medicine) for the Treatment of Icterus in Cats. *International Journal of Molecular Veterinary Research* 2012, Vol.2, No.7, 25-28

- 22- Raza, A., G Muhammad, **A. Manzoor**, M Ahmad and M Ijaz, **2012**. Clinical efficacy of allopurinol and ketoprofen in the treatment of urate associated urolithiasis in bucks – Case report. *Int. J. Mole. Vet. Res.*, 2 (6):22-24.
- 23- Raza A, MA. Naeem, M Ahmad, **A. Manzoor**, M Ijaz, **2012**. Cherry Eye: Prolapse of Third Eyelid Gland in Dog- A case report. *Int. J. Mole. Vet. Res.*
- 24- A. Yousaf, I. Sarfraz, M. A. Zafar, R. Z. Abbas, A. Hussain and **A. Manzoor**, **2010**. Effect of Treatment with Tri-Sodium Citrate Alone and in Combination with Levamisole HCl on Total Milk Bacterial Count in Dairy Buffalo Suffering from Sub-Clinical Mastitis. *Revista Veterinaria*;2010, Vol. 21 Issue (supl. Proceedings of 9th World Buffalo Congress); 187-189 (**IF- 0.103**)
- 25- Muhammad N., M. A. Zafar, G. Muhammad, M. Z. Masood, **A. Manzoor** and I. Sarfaraz, **2009**. Comparative anaesthetic efficacy of propofol, thiopental sodium and combination of propofol with ketamine hydrochloride in dogs. *Pakistan Veterinary Journal*, 29: 11-15.

Abstracts

- 1- Zafar MA, A Yousaf, RH Pasha, AS Qureshi and **A Manzoor**, **2013**. Evaluation of Antinociception of Epidurally Administered Xylazine and Lignocaine Combination in Dromedary Camels. *Proc. Of International Camel Conference*, 19-21 April 2013, Islamia University Bahawalpur. (**Oral Presentation**)
- 2- **Manzoor, A.**, M.A. Zafar, G. Muhammad and F. Raza, **2012**. Comparative Evaluation of Amoxicillin Plus Clavulanic Acid and Co-Trimazine in the Treatment of Pyoderma in Beetal Goats. 4th International Conference on Small Ruminant Production, 3-7th September 2012, Sharmal Sheikh, Egypt. (**Oral Presentation**)
- 3- Ahmad, T., A. Yousaf, G. Muhammad, M. K. Mansoor and **A. Manzoor**, **2012**. Treatment of Abscesses in goats under field condition. 4th International Conference on Small Ruminant Production, 3-7th September 2012, Sharmal Sheikh, Egypt. (**Oral Presentation**)
- 4- M. A. Zafar, G. Muhammad, N. Ullah, F. Raza and **A. Manzoor**, **2012**. An evaluation of relative efficacy of hypertonic saline solution as an adjunct to ceftiofur HCl and flunixin meglumine for the treatment of Bovine Pneumonic Pasteurellosis. *Proceedings of the 27th World Buiatrics Congress*, June 3-8, 2012 Lisbon, Portugal. (**Oral Presentation**)

Book Chapter

- 1- Hassan, F., M. Khaliq, M.R. Sajid, M. Ijaz, M.T. Mohy-ud-Din and **A. Manzoor**, **2023**. Aflatoxins of Summer Fodders: Causes and Management, In. *Sustainable Summer Fodder, Production, Challenge, and Prospects*. Eds. IU Haq, S. Ijaz and H.M. Ali. CRC Press. Pp; 26-57.
- 2- Saleem MI, Mahfooz A, Zaka F, Butt FA, Shah SK, **Manzoor A**, Ahmar M, Raza A, Khan MU and Shakir AH, **2023**. Public Health Awareness of Zoonosis through Veterinary Profession. In: Khan A, Abbas RZ, Hassan MF, Aguilar-Marcelino L, Saeed NM and Mohsin M (eds), *Zoonosis*, Unique Scientific Publishers, Faisalabad, Pakistan, Vol. I: 594-611. <https://doi.org/10.47278/book.zoon/2023.044>
- 3- **Manzoor, A.**, M. Ijaz, M.T. Mohy-ud-Din and F. Hassan, 2022. Toxins of Preserved Fodders: A Threat to Livestock, In. *Sustainable Winter Fodder, Production, Challenge, and Perspectives*. Eds. IU Haq and S. Ijaz. CRC Press. Pp; 365-392.