

CURRICULUM VITAE

Name	Dr. Misbah Ijaz
Present Position	Assistant Professor, Department of Clinical Medicine & Surgery, Faculty of Veterinary Science, University of Agriculture, Faisalabad. Pakistan
Total Impact Factor 21.328	
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Dr. Misbah Ijaz is working as Assistant Professor in Department of Clinical Medicine & Surgery, Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan. The Department of Clinical Medicine and Surgery is mandated to train the DVM, para-veterinary and postgraduate students in the realm of clinical medicine and surgery. The courses offered by the department pertain to didactic as well as practical (clinical) training of students in these areas. The department offers a broad range of courses including veterinary clinical medicine, veterinary preventive medicine, small & large animal's surgery, diagnostic imaging and animal welfare. A small colony of lab animals is maintained for use in research and xeno-diagnosis. The Department of Clinical Medicine and Surgery is serving the nation with following key objectives;

- To train DVM, para-veterinary and postgraduate students in the areas of animal health and animal welfare
- To harmonize the students with the recent advances, and developments in the field of veterinary medicine and surgery by offering refresher courses.
- To conduct research on economically important health problems of food animals and companion animals
- To offer veterinary professional services to the clientele in and around Faisalabad Metropolis
- To transfer the technologies developed/tested by the postgraduate students and faculty to the end users

Dr. Misbah Ijaz is leading one of the two surgical units of the Department. She has 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 she has to teach major courses of the Undergraduate and Postgraduate Degree Programmes. So far she has taught following major courses to Under Graduates in alternate semesters; **Med-602 Small Animal Surgery**, (in which different internal and external operative procedures on experimental small animals specially in dogs are performed), **Surg-601 Anaesthesiology and Intensive care** (in which different types of anaesthetics and anaesthesia techniques are demonstrated to students along with management of anaesthetic complications/ emergencies), **Surg-504 Surgery Clinic-I, Surg-602 Surgery Clinic-II and 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).

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

- Surg-701 Advanced Small Animal Surgery
- Surg-703 Advanced Large Animal Surgery
- Surg-704 Advanced Surgical Techniques
- Surg-722 Advances in Veterinary Anaesthesiology

Dr. Misbah Ijaz is expert in food and companion animal anaesthesia and surgery. She has performed some major operations like herniorrhaphy and hernioplasty in farm animals, ruminal cannulations in goats, caesarean sections in large and small animals along with some excision and exploratory surgeries. In case of General Surgery course of Undergraduates she has to perform all internal and external surgical procedure on experimental animals.

She has recently achieved a mile stone by completing her **Ph. D.** degree in realm of Clinical Medicine and Surgery, FVS, UAF. Irrational use of antibiotics and resultant antibiotic residues in milk and meat is an emerging threat to public health. She has tried to address this issue by successfully using some non-antibiotic antibacterial formulation as an alternative to antibiotics in dairy animals.

Key Skills

- Use of anaesthesia in companion and food animals.
- Corrective and exploratory surgery in companion and food animals.
- Handling and treatment of different conditions resulting into endotoxemia and septicaemia.
- Attending emergency cases at OPD of the teaching Hospital of the Department.
- Use of non-antibiotic antibacterials in combating microbial infections to combat AMR.
- Production of IgYs for different for different pathogens.

Education

2018	Ph. D. Clinical Medicine & Surgery, FVS, University of Agriculture, Faisalabad, Pakistan.
2011	M. Phil. Clinical Medicine & Surgery, FVS, University of Agriculture, Faisalabad, Pakistan.
2008	Doctor of Veterinary Medicine (DVM), FVS, University of Agriculture, Faisalabad, Pakistan.
2002	Higher Secondary School Certificate, B.I.S.E., Faisalabad
2000	Secondary School Certificate, B.I.S.E., Faisalabad

Positions Held

04/17-4/20	Member Syndicate, UAF
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Awards and Honours

2003-2008	University Merit Scholarship Holder
2012	Certificate of Appreciation by the HOD on performing cannulation surgery in buffalo bull

Funded Research Grants

- 1- Research grant of **PKR 3.2 million** as **PI** under NSLP entitled “**Treatment of Mastitis by nanoparticles and egg yolk antibodies**” by Pakistan Science Foundation.
- 2- Research grant of **PKR 2.235 million** as **Co-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.

Trainings and Foreign Tour

1. One month visit to University of California Davis, USA for revision of DVM curriculum.
2. 5 days training on “Community based prevention, detection and response to all hazards” under umbrella of The Center for Agriculture and Food Security and Preparedness, University of Tennessee, USA, in Malaysia.
3. 3 days training program on “Regional guidelines for Collecting and Transporting Priority Pathogen Samples in Pakistan” organized by US Academy of Science.

Professional Affiliations

1. Member Pakistan Veterinary Medical Council.
2. Member DVM curriculum revision committee constituted at faculty level.
3. Member of the committee constituted to initiate a new degree program “MS in Veterinary Practices”
4. Advisor ALS wing, “Veterinary Medical Council”, FVS, UAF.

Postgraduate Research Projects Supervised as Principal Supervisor. (40 completed)

1. Therapeutic and prophylactic evaluation of hyper vitaminosis-C in endotoxins induced septic shock in the dog
2. Evaluation of wound healing activity of Shingraf (a mineral origin ayurvedic medicine) on full thickness cutaneous wounds in a rabbit model.
3. Antibacterial activity of trifluoperazine; (I) *In vitro* susceptibility of selected pathogens and, (II) *In vivo* evaluation against Methicillin-resistant *Staphylococcus aureus* in surgical wound infection model.
4. Comparative effects of two anaesthetic agents xylazine and ketamine alone and in combination on intraocular pressure and blood glucose level in dogs
5. Evaluation of efficacy of single bilateral intratesticular injection of hypertonic saline solution (HSS) as a chemical sterilizing agent in dogs.
6. Comparison of effect of different suture materials and patterns on healing of incised skin wound in a rabbit model.
7. Evaluation of Preventive and therapeutic role of vitamin C supplementation on pasturelosis in rabbits.
8. Antibacterial activity of N-acetylcysteine; (I) *In vitro* susceptibility of selected pathogens and, (II) *in vivo* evaluation against *Staphylococcus epidermidis* in surgical wound infection model.
9. Clinicohematological and biochemical investigations of Babesiosis in client owned dogs.
10. Occurrence of microbial contamination among various operation theatres of selected veterinary hospital in Punjab, Pakistan.
11. Comparison of Photochemical tissue bonding using Rose Bengal dye (RB) and Skin sutures for closure of incisional cutaneous wounds in a rabbit model.
12. Comparative evaluation of single, bilateral intratesticular injection of hypertonic saline solution and calcium chloride as chemical sterilizing agents in male cats.
13. Therapeutic evaluation of tomato and camphor alone and in combination for the treatment of oral ulcer in rabbit model.
14. Evaluation of antifungal activity of grapefruit seed extract in the treatment of induced *Microsporum canis* infection in rabbit model.
15. Evaluation of antifungal activity of *Aloe vera* gel for the treatment of *Microsporum canis* infection in rabbit model.
16. Comparative prevalence of zoonotic nematodes (hookworms, *Toxocara canis*, *Tricchuris vulpis*) in stray and owned dogs of Faisalabad Metropolitan.
17. Isolation and identification of different fungal species of associated with pigeon dropping in Faisalabad Metropolitan.
18. Isolation and identification of different fungal species of associated with parrots dropping in Faisalabad Metropolitan.
19. Effect of meloxicam and ketoprofen on the efficacy of hypertonic saline solution based chemical castration in rabbits
20. Comparative evaluation of single bilateral intratesticular injection of *Azadirachta indica* (Neem) leaf extract and hypertonic saline solution as chemical sterilizing agent in dogs.
21. 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.

22. Evaluation of therapeutic hepatoprotective efficacy of orange and banana peel against NSAID induced hepatotoxicity in rabbit model
23. Evaluation of *in vitro* and *in vivo* Antibacterial activity of orange and apple peel extract against Methicillin Resistant *Staphylococcus aureus* (MRSA)
24. Evaluation of *in vitro* and *in vivo* Antifungal activity of orange and apple peel extract against *Microsporium canis* in rabbit model
25. Evaluation of mosquito net as an alternative to commercially available mesh for repair of induced hernia in rabbit model
26. Comparison of tissue adhesive and conventional suturing to close intestinal invasion after enterotomy
27. Therapeutic efficacy of tyloxapol as a non-antibiotic alternative against *methicillin resistant Staphylococcus aureus* infected wound in a rabbit model
28. Dynamics of administration of moxifloxacin through different routes as antimicrobial prophylaxis in urogenital surgery
29. Treatment of induced hemolytic anemia using polyherbal extract in rabbits.
30. Evaluation of *Moringa olifera* leave powder in the treatment of Phenyl-hydrazine induced anemia in rabbit
31. Therapeutic evaluation of *Punica grantum* (L.) fruit peel extract for treatment of experimentally induced pastorellosis in rabbits
32. Investigation of therapeutic hepatoprotective efficacy of potato and cucumber peel powder against paracetamol induced hepatotoxicity in rabbit model
33. Documentation of fungi associated with skin infection in cats
34. *Microsporium canis*: (i) molecular characterization of isolates recovered from pet dogs in Faisalabad (ii) antifungal activity of apple cider vinegar against *Microsporium canis*
35. Comparative evaluation of Repiderma® spray alone and in-combination with honey for treatment of infected burn wounds in rabbit model
36. Quantification of the impact of tent pegging on the bio-mechanics and physiology of horses (*Equus caballus*)
37. 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
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

Postgraduate Research Projects Supervised as Member Supervisory Committee. (41 completed)

1. Isolation and characterization of methanogenic bacteria and efficiency of methane production.
2. Isolation and characterization of water microbes.
3. Isolation, identification and characterization of lipase producing micro-organisms from different oil mills of District Faisalabad, Pakistan.
4. Comparative wound healing activity of turmeric and neem oil as compared to Oxoferin® on full thickness cutaneous wounds in rabbits.
5. Microbial burden and drug residual analysis in raw meat samples from different towns of Faisalabad, Pakistan.
6. Effect of oral administration of a *Nigella sativa* oil on the histomorphomatrical characteristics of testis and testosterone profile in rabbit.
7. Evaluation of Vitamin C and zinc supplementation in amelioration of induced avian pathogenic *Escherichia coli* (APEC) infection in broiler chicks.
8. Prevalence of *Cryptococcus neoformans* in Bovine Mastitis in District Faisalabad.

9. Prevalence of vancomycin and linezolid resistance in *staphylococcus* species isolated from different hospitals in Faisalabad, Pakistan.
10. Immunomodulatory and anti-coccidial activity of rice (*Oryza sativa*) derived Arabinoxylans in broiler chicken.
11. Evaluation of preventive and therapeutic role of Vitamin C supplementation on colibacillosis in rabbits.
12. Comparative wound healing efficacy of Acacia honey and povidone on diabetic cutaneous wounds in a rat model.
13. Antibacterial activity of lignocaine (I) *In vitro* susceptibility of selected pathogens and, (II) *In vivo* evaluation against *Staphylococcus epidermidis* in surgical wound infection model.
14. 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.
15. Comparison of photochemical tissue bonding using rose Bengal dye (RB) and skin sutures for closure of incisional cutaneous wounds in a canine model.
16. Comparative wound healing efficacy of photochemical tissue bonding using rose Bengal dye with cyanoacrylate based tissue glue in incisional cutaneous wounds in rabbit model.
17. A survey of zoonotic parasites (*Toxoplasma gondii* and *Giardia*) in dogs and cats presented to government and private veterinary clinics of Faisalabad
18. Comparative wound healing efficacy of Turmeric, Silver nanoparticle and silver sulfadiazine on burn wound model in rabbits
19. Amelioration of paracetamol induced liver damage with apple peel in rabbits
20. Comparative wound healing efficacy of *aloe vera* gel, silver nanoparticles and silver sulphadiazine on burn wound model in rabbits
21. Evaluation of tissue adhesives as an alternative to routine suturing in cystotomy closure
22. Comparative evaluation of fishing net/net fabric and proline in repair of experimental hernia induced in rabbits
23. Dynamics of administration of cefipime through different routes as antimicrobial prophylaxis in intestinal surgery
24. Stress resistance of poultry-associated *Salmonella* serovars in Faisalabad
25. Synchronization of follicular wave in dromedary camel (*Camelus dromedarius*) during breeding and induction of estrous during non-breeding season
26. Reproductive performance of Dutch Holstein Friesian bulls under environmental conditions of Balochistan
27. Therapeutic effect of *Curcuma longa* nanoparticles against arsenic induced hepatocellular carcinoma in rat model
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. *In-vitro* evaluation of fruits peel as prebiotics
31. Evaluation of the growth behavior of *Listeria monocytogenes* on fresh-cut apple, banana and guava under different storage temperatures
32. Evaluation of *in-vitro* and *in-vivo* anticoccidial activity of essential oil of citrus limon in broiler chicks
33. Effect of black seed oil (*Nigella sativa*) on glyphosate induced toxicity in the female reproductive system of rat
34. Cryopreservation of Lohi ram epididymal spermatozoa using cinnamon extract supplemented extender
35. Effects of Toldimphos sodium on reproductive performance of the dairy cattle to ovysynch protocol
36. Copro-prevalence of *Echinococcus granulosus* in client-owned dogs and Knowledge, attitudes and practices (KAP) analysis about cystic *Echinococossis* among dog owners in Faisalabad

37. Isolation and molecular identification of *Mycoplasma capricolum* sub species *Capripneumoniae* in District Dera Bugti, Balochistan
38. Effect of methionine supplementation on reproductive performance of Nili-ravi buffaloes treated with double ovsynch protocol of synchronization
39. FSH assisted ovum pick up (OPU) and its impact on subsequent developmental potential of buffalo embryos
40. Evaluation of *in-vitro* and *in-vivo* antibiofilm activity of tri-sodium citrate against mixed infection of *Staphylococcus aureus* and *Escherichia coli*
41. Investigation on prevalence of *Hemonchus contortus* and coccidiosis in small ruminants of Faisalabad

Languages

	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
English	Fluent	Fluent	Fluent
Punjabi	Fluent	Fluent	Fluent
Arabic	Basic knowledge	Fluent	Basic knowledge
Urdu	Mother language	Mother language	Mother language

Publications (Total Impact Factor- 21.328)

- 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- G. Abbas, M. S. Imran, A. Iqbal, M. Ali, M. Arshad, M. Ameer, M. A. Jabbar, A. Mustafa, T. Mahmood, M. I. Saleem, Z. Sultan, I. Hussain, S. Khan, W. Alam, A. Shafique, M. Imran, A. Mahfooz, M. Mujahid, **M. Ijaz**, N. Ali, S. G. Mohyuddin, S. Jaffery, D. K. A. Al-Taey, M. Nazar, A. A. Butt, A. Haider, **2023**. Effect of Covid-19 and soybean unavailability situations on the poultry industry of Pakistan: A comprehensive analysis of problems faced by the industry and its solution for sustainable animal production. Pakistan Journal of Science (Vol. 75 No. 2 June, 2023)
- 4- Azam. M., T.M. Qureshi, S. Hussain, A.I. Aqib, S. R. Khan, K. Akram, **M. Ijaz**, M. Murtaza, A. Muneer and S. Mahmood, 2022. Resistance modulation of *Staphylococcus aureus* Isolate of Dairy Cattle through Metallic Oxide Nanoparticles. Pakistan Journal of Zoology. 1-8. DOI: <https://dx.doi.org/10.17582/journal.pjz/20220305180337> (IF **0.687**)
- 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- L. Shafique, S. Wu, A. I. Aqib, M. M. Ali, **M. Ijaz**, M. A. Naseer, Z. Sarwar, R. Ahmed, A. Saleem, Q Ullah, A. S. Ahmad, H. Pan and Q. Liu, **2021**. Evidence-Based Tracking of MDR *E. coli* from Bovine Endometritis and Its Elimination by Effective Novel Therapeutics. Antibiotics, 2021, 18;10(8):997. 17 pages (IF **4.639**)

- 9- Z. A. Bhutta, A. Kanwal, M. Ali, M.F.A. Kulyar, W. Yao, M. Shoaib, A. Ashar, A. Mehfooz, **M. Ijaz**, N. Ijaz, M. Asif, S. Nawaz, M. R. Mehfooz, T. Kanwal, **2021**. Emerging nanotechnology role in the development of innovative solutions against COVID-19 pandemic. *Nanotechnology* 32 482001, 18 pages (**IF; 3.874**)
- 10- 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. *J. Anim. Plant Sci.*, 31 (5): 1289-1292. (**IF 0.481**)
- 11- S. Sharaf, M.R. Khan, A. Aslam, M. Rabbani, A. Sharaf, **M. Ijaz**, A. Anjum and N. Hussain, **2020**. Toxicopathological effects of heavy metals from industrial drainage wastewater on vital organs of small ruminants in Lahore. *Environ. Sci. Pollut. Res.* 28(3):3533-3543 DOI 10.1007/s11356-020-10051-4. (**IF 3.056**)
- 12- 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>.
- 13- **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.
- 14- **M. Ijaz**, G. Muhammad, F. Deebe and M. S. Mahmood, **2018**. Curing of subclinical mastitis by using an oral non-antibiotic preparation in cows. *Pak. J. Agri. Sci.* 56(4); 937-941 (**IF-0.677**)
- 15- 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. (**IF. 4.936**)
- 16- Umar Z, AS Qureshi, S Rehan, **M Ijaz**, T Faisal and S Umar, **2017**. Effect of oral administration of a *Nigella sativa* oil on the histomorphomatrical characteristics of testis and testosterone profile in rabbit. *Pak. J. Pharm. Sci.*, 30, pp.531-536. (**IF. 0.804**)
- 17- 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) (2017) 07-10
- 18- A. Humayun, G. Muhammad, Z. Iqbal, M. A. Zafar, A. Manzoor and **M. Ijaz**, **2017**. Evaluation of therapeutic efficacy of deferoxamine as an adjunct to rational therapy alone or in combination with vitamin C in induced endotoxemia in dogs. *Journal of Entomology and Zoology Studies* 2017; 5(6): 2036-2042 (Online ISSN: 2320-7078, Print ISSN: 2349-6800)
- 19- 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 (ISSN e- 2319-2380 p- 2319-2372).
- 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 (ISSN: 2307-8316).
- 21- A. Raza, G. Muhammad, A. Manzoor, M. Ahmad, **M. Ijaz**, **2012**. Clinical Efficacy of Allopurinol and Ketoprofen in the Treatment of Urate Associated Urolithiasis in Bucks – Case Report. *International Journal of Molecular Veterinary Research* 2012, Vol.2, No.6, 22-24 (ISSN 1927-5331).

- 22- 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 (ISSN 1927-5331).
- 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. Vol.3, No.1 1-3 (ISSN 1927-5331).
- 24- Tariq A, A Shahzad, **M Ijaz** and Z Akbar, **2014**. Effectiveness of Tetrachlordecaoxide Compounds in the Healing of Mandibular Fracture. J Adv Vet Res. 4(3)
- 25- Hassan, F., S. Altaf, **M. Ijaz** and M. T. Mohy-ud-din, **2016**. A Review on Ceftiofur Sodium. Int. J. Adv. Sci. Res. Manage. 1(8): 22-26 (ISSN 2455-6378).
- 26- Hassan, F., S. Altaf, **M. Ijaz**, M. T. Mohy-ud-din, **2016**. A Review on Flunixin Meglumine. Int. J. Med. Res. 1(2): 36-38 (ISSN)

Abstracts

- 1- Tahir, M., F. Hassan, M.R. Sajid, **M. Ijaz**, K. Iqbal and I. Abbas, **2023**. Evaluation of the hepatoprotective effect of *Citrus sinensis* against gentamicin-induced hepatotoxicity in albino rats. 2nd International Scientific Research Conference, October 7-8, 2023. Ankara Turkiye.
- 2- Hassan, F., **M. Ijaz** and M. T. Mohy-ud-din, **2018**. Herbal Medicine Toxicity. Proc. Of the “Int. Conf. on Dairy Animal Health Challenges”, January 17-18, 2018. Faculty of Vet. Sci., UAF. Pp. 77.
- 3- Muqaddas, F., A.S. Qureshi, S. Parveen, M. Ijaz, S. Nawaz, U. Shafi, S. Rehan and Q.S. Ahmed, **2022**. Effect of black seed oil (*Nigella sativa*) on glyphosate induced toxicity in the female reproductive system of rat. Proc. Of the “International Conference on Interdisciplinary Research Innovation”, October 26-28, 2022, UAF Community College, PARS, Faisalabad, Pakistan. Pp. 80-81.
- 4- R.M. Umer, F. Hassan, M. Khaliq, M. R. Sajid, **M. Ijaz**, **2022**. Antiulcer activity of Berberis Lyceum in Rabbit Model in International Istanbul Scientific Research Congress on July 23-25, 2022 in Turkey

Book Chapter

- 1- Saleem MI, Zaka F, Butt AA, Mahfooz A, **Ijaz M**, Shah SK, Kaleem QM, Saleem MW, Shakir AH, Raza A, and Khan MU, **2023**. Strategies of Prophylactic and Metaphylactic Approaches for the Control of Zoonotic Diseases. In: Khan A, Abbas RZ, Hassan MF, Aguilar-Marcelino L, Saeed NM and Mohsin M (eds), Zoonosis, Unique Scientific Publishers, Faisalabad, Pakistan, Vol. I: 578-593. <https://doi.org/10.47278/book.zoon/2023.043>
- 2- 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.
- 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.