

Near Rabia Masjid factory area
Bhalwal distt. Sargodha, Pakistan.
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drzeeshanmiqbal@gmail.com

Dr. Zeeshan Muhammad Iqbal

Father's Name : Lal Muhammad
Date of Birth : 04/02/1984
N.I. Card # : 38401-0365488-3
Domicile : Punjab
Nationality : Pakistani
Religion : Islam
Marital Status : Married
Postal Address : Near Rabia Masjid factory area Bhalwal dist. Sargodha.
Permanent Address : Near Rabia Masjid factory area Bhalwal dist. Sargodha.



OBJECTIVES

- To secure a challenging position in a reputable organization where my existing competencies, capabilities, skills, education and experience will be challenged and further developed.

QUALIFICATIONS:-

Sr. #	Degree	Discipline	Institute	CGPA
1	PhD (2010-17)	Livestock Management	University of Veterinary & Animal Sciences, Lahore	3.66/4.00
2.	M. Phil (2008-10)	Livestock Management	University of Veterinary & Animal Sciences, Lahore	3.59/4.00
3.	D.V.M (2002-07/08)	Veterinary Sciences	University of Veterinary & Animal Sciences, Lahore	3.03/4.00
4.	F. Sc. (2000-02)	Pre-Medical	Superior Science College, Sargodha	653/1100
5.	Matriculation (1997-99)	Science	Government High School Bhalwal, district Sargodha	513/850

Achievement/Awards/Appreciation:

1. Certificate of appreciation from Worthy Vice Chancellor, CUVAS, Bahawalpur, regarding dedication to the academic community and outstanding services for efficient acquisition of resources for the University vide no. SVC/477 dated 18-03-2026.
2. Letter of appreciation from Worthy Vice Chancellor, CUVAS, Bahawalpur for dedication, expertise and commitment to the additional duties assigned and academic excellence vide letter No. SVC/04 dated: 01-01-2026
3. Certificate of appreciation for Outstanding Highest Impact Factor Award for research and publication 12 July, 2024.

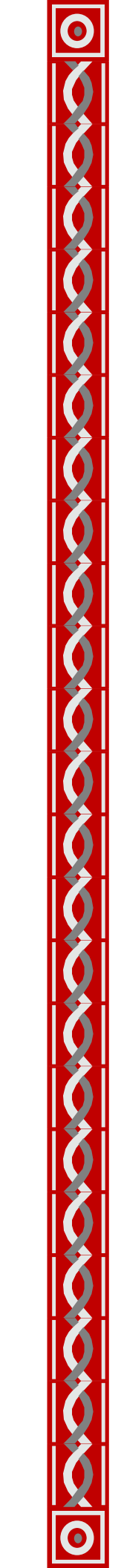
PROFESSIONAL EXPERIENCE

1. Working as **Assistant Professor** in the Department of Livestock Management, Faculty Animal Production and Technology at Cholistan University of Veterinary and Animal Sciences, Bahawalpur from **04-12-2018 to date**.
2. Worked as Senior **Veterinary Officer/Manager Livestock** at Livestock Experiment Station, Rakh Ghulaman, District Bhakkar under Directorate of Livestock Farms, L&DD, Punjab, Lahore from **26-04-2018 to 03-12-2018**.
3. Worked as Senior **Veterinary Officer/Assistant Research Officer** at Camel Breeding and Research Station, Rakh Mahni, District Bhakkar under Directorate of Livestock Farms, L&DD, Punjab, Lahore from **01-02-2017 to 25-04-2018** (transferred).
4. Worked as **Training Coordinator** in a Project Titled “Training and Demonstration Research Dairy Farm” from **11-07-2016** to 31-01-2017
5. Worked as **Research Associate** in PARB (Punjab -agricultural research board) funded project entitled “Enhancing performance of buffalo through improved feeding management at different physiological stages up to first lactation” from **19-10-2015** to **30-06-2016** (completion of project).
6. Worked as **Teaching Assistant** in the Department of Livestock Production from **15-03-2016** to **10-07-2016** (completion of project).

7. Worked in a project “gene expression and fatty acid composition of hoof digital cushion sample of Holstein cow” (30-01-2015 to 27-07-2015) at University of Illinois, Urbana, Champaign (USA).
8. Worked as **Research Associate** in PARB (Punjab agricultural research board) funded project entitled “Enhancing performance of buffalo through improved feeding management at different physiological stages up to first lactation” from 01-07-2011 to 27-01-2015.
9. Worked as **Research Fellow** in ALP (Agricultural linkages program) funded Project entitled “Phenotypic and Genetic characterization of Indigenous breeds of ovine (4 breeds) and caprine (5 breeds) species in Punjab” from 24-10-2008 to 30-06-2011 (completion of project).
10. Worked as Veterinary doctor and Quality control Manager at **ZENITH ASSOCIATE (PVT) LIMITED (slaughter house)** from 20-01-2008 to 22-10-2008 (8 months).
11. Five (5) months job experience at **Anis Associate (PVT) Ltd. (Slaughter House)** worked as a **Veterinary doctor** and **Quality control manager**.

ADDITIONAL DUTIES

1. **Director (Purchase & Store)** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur, **dated: 24-03-2025 to 01-06-2026**.
2. Deputy Director at **Livestock Farms**, Directorate of Dairy Animals Teaching and Research Center, Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated 15-07-2024 to 14-09-2025**.
3. **Member Camel Expert Committee** (Camel Production & Management Committee), Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated: 21-03-2025**.
4. **Member Committee for Culling / Auction** of farm animals, Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated: 08-01-2025**.
5. **Secretary Purchase Committee** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur vide letter No. Regr/Admin/49 **dated: 08-01-2025 to date**.

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6. **Farm Manager at Livestock Farms**, Directorate of Dairy Animals Teaching and Research Center, Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated: 18-04-2024 to 14-07-2024.**
 7. **Member/Secretary pension, insurance, gratuity, provident fund and benevolent fund** committee at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/154 dated: 13-02-2024.**
 8. **Building incharge** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/131 dated 30-01-2024 to date.**
 9. **Librarian**, at main library of Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/15 dated 04-01-2024 to 24-04-2025.**
 10. **Officer incharge**, Cholistan Institute of Business Administration (CIBA) at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/90 dated 24-01-2024.**
 11. **Officer incharge**, Cholistan Institute of Business Administration (CIBA) at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/1118 dated 26-10-2023 to 23-01-2024.**
 12. **Librarian, at main library** of Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/1118 dated 26-10-2023 to 03-01-2024.**
 13. **Member Board of Studies**, Faculty of Animal Production and Technology **vide letter No. Regr/Admin/590 dated:14-07-2023.**
 14. **Secretary purchase committee** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/49 dated: 20-01-2023 to 07-01-2025.**
 15. **Member/Secretary purchase committee** for the developmental project titled “Provision of missing facilities and remaining civil work of Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/532 dated: 22-06-2022.**
 16. **Class coordinator M. Phil Livestock Management**, Department of Livestock Management, Faculty of Animal Production and Technology **vide letter No. Regr/Admin/1295 dated: 09-12-2022.**

17. **Nomination as Subject Expert** to attend meeting of the selection board **vide letter No. 734-39/HRF dated: 17-11-2022.**
18. **Member Academia-Industry Linkages Committee** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/842 date: 22-12-2021.**
19. **Member postgraduate seminar committee**, Faculty of Animal Production and Technology **vide letter No. FAPT/168 dated: 08-09-2021.**
20. **Member M. Phil and PhD rules and regulations committee** of Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/466 date: 06-07-2021.**
21. **Officer incharge**, Department of Livestock Management at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/487 dated 10-07-2020 to 02-01-2023.**
22. **Member of Disciplinary Committee** of Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated 11-03-2020 to 13-10-2022.**
23. **Member Technical Evaluation Committee** for procurement of livestock and feed items **vide letter No. Regr/Admin/5070 dated:10-12-2019.**
24. **Member of syndicate** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated 14-10-2019 to 13-10-2022.**
25. **Member Time table committee** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/4943 dated 02-10-2019 to date.**
26. **Working as Assistant Director Advanced Studies** and Research at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **dated 12-09-2019 to 29-03-2021.**
27. **Member Prospectus Committee** at Cholistan University of Veterinary & Animal Sciences, Bahawalpur **vide letter No. Regr/Admin/4780 dated 16-07-2019 to date.**

SUPERVISION OF STUDENT

LIST OF M. PHIL STUDENTS SUPERVISED

Sr. No.	Name of Student	Registration No.	Department
1.	Muhammad Ali	24-CUVAS-0040	Livestock Management
2.	Taufeeq Ahmad	22-CUVAS-0028	Livestock Management
3.	Mr. Muhammad Hamza Shafiq	21-CUVAS-0035	Livestock Management
4.	Mr. Awais Wazir	21-CUVAS-0039	Livestock Management
5.	Mr. Muhammad Jahangir Shah	21-CUVAS-0042	Livestock Management

AS A MEMBER OF THE SUPERVISORY COMMITTEE

Sr. No.	Name of Student	Registration No.	Department
1.	Syed Mateen Haider	22-CUVAS-0025	Livestock Management
2.	Mr. Muhammad Saif Ur Rehman	21-CUVAS-0036	Livestock Management
3.	Mr. Muhammad Shahbaz	21-CUVAS-0036	Livestock Management
4.	Mr. Asad Ullah Kahloon	21-CUVAS-0040	Livestock Management
5.	Muhammad Mudassir	21-CUVAS-0059	Animal Nutrition

RESEARCH PROJECT:

Sr. No.	Project Title	Funding Agency	Role	Information
1.	Milk production, potential, reproductive efficiency and milk nutraceutical value of Mareecha camel (Camelus Dromedarius) of Cholistan kept under intensive management	PARB	Team Leader	Amount: 48.745 million Rs. Starting date: 01-10-2015 Completion date: 30-09-2019 Place: Camel Breeding and Research Station, Rakh

STATISTICAL ANALYSIS SKILLS:

I have expertise on performing statistical analysis on following statistical softwares,

- SPSS 13.0
- SAS 9.1
- Minitab 16

COMPUTER PROFICIENCY:

- MS-dos, MS Word, Excel, Power point, Internet Exploring, and Feed Formulation (mix-it win, UFFDA).
- Software installation

LANGUAGES:

- Can write, speak and understand English, Urdu and Punjabi fluently.
- Spoken English (E Sole₂)

PUBLICATIONS IN JOURNALS

National publications:

- Farooq, H. M., Younas, U., Shahzad, F., Hassan, F. U., Javaid. A., Abdullah, M., **Iqbal. Z. M.**, Naeem. M., Ali, N., 2025. Nutritional Profile and in situ Ruminant Digestion Kinetics of King Grass and Mott Grass. Pak. J. Zool. 1-8.
- Fida, S., Akram, A., Farooq, A., Farooq, A., Waheed, A., Faraz, A., Hussain, S. M., Iqbal, Z. M., Akbar, M.A., Rizwan, M., Liaqat, C. and Sanaullah, S., 2024. Analysis of the Interrelationships between Various Body Dimensions in Young Lambs. Journal of Agriculture and Food, 5(1), 69-75.
- Rashid, D., Ahmad, N., Mohsin, I., Ahmad, S., Younas, U., Safdar, M., Junaid, M., **Iqbal, Z. M.**, Saleem, A. H., Ahmad, A. and Nabeel, M. S., 2023. Factor analysis of biometric traits of Marecha camel in Pakistan. Uni. Sindh. J. Anim. Sci., 7(1); 38-58.

Saadullah, M., **Iqbal, Z. M.**, Imran, M., Haque, M. N., Hifzulrahman, Bhatti, J. A. and Abdullah, M., 2020. Effect of steaming-up primiparous Nili Ravi buffaloes on subsequent productive and reproductive performance. *J. Anim. Plant Sci.*, 30 (3): 603-611.

Iqbal, Z. M., Abdullah, M., Javed, K., Jabbar, M. A. and Ditta, Y. A., 2018. Evaluating varying levels of concentrate on productive and metabolic performance of Nili-Ravi buffalo heifer calves. *The J. Anim. & Plant Sci.*, 28(5): 1256-1262.

Ditta, Y. A., Saima, Pasha, T. N., Akram, M., **Iqbal, Z. M.** and Naseem, S., 2016. Binding efficiency of yeast sludge fractions and commercial Glucomannan against aflatoxins in Broiler. *The J. Anim. & Plant Sci.*, 26(5): 1202-1211.

Ahmad, N., Javed, K., Abdullah, M., Hashmi, A. S., Ali, A., Iqbal, Z., Younas, U. and **Iqbal, Z. M.**, 2014. Comparative productive performance of beetal goats in annual and accelerated system. *The J. Anim. & Plant Sci.*, 24(4): 979-985.

Iqbal, Z. M., Javed, K., Abdullah, M., Ahmad, N., Ali, A., Khalique, A., Aslam N. and Younas, U., 2014. Estimation of body weight from different morphometric measurements in Kajli lambs. *The J. Anim. & Plant Sci.*, 24(3): 700-703.

Ahmad, N., Ali, A., Abdullah, M., Khalique, A., Javed, K., Bhatti, J. A., Ahmad, S., Saima, Iqbal, Z., Omer, M.O., Younas, U., **Iqbal, Z. M.**, Anjum, K. M., Hussain, T. and Shahzad, F., 2014. Effect of feeding frequency on the growth performance of beetal goat kids during winter season. *The J. Anim. & Plant Sci.*, 24(1): 73-76.

Qudus, M. A., Ahmad, N., Javed, K., Abdullah, M., Jabbar, M. A., Omer, M. O., **Iqbal, Z. M.** and Ahmad, I., 2013. Effect of recombinant bovine somatotropin on milk production and composition of lactating Beetal goats. *The J. Anim. & Plant Sci.*, 23(1): 26-30.

International publications:

Khan, K., Raziq, F., Khan, M. T., Arslan, M., Azhar, M., Asad, T., Abbas, G., Bughio, E., Magsi, A. S., Gondal, M. A., Rauf, M., Faran, G., Farooq, Z., **Iqbal, Z. M.**, Kumar, M., Ali, F., Wadood, F., Salam, M. M. and Liaqat, S., 2025. Evaluating the impact of honey inclusion in drinking water on the semen quality, immunological response, and haematology of naked neck cocks. *Polish Journal of Veterinary Sciences*, 43-49.

- Raziq, F., Khan, M. T., Imran, M., Khan, W., Mushtaq, M., Arslan, M., Azhar, M., Asad, T., Liaqat, S., Gondal, M. A., Rauf, M., Faran, G., Farooq, Z., **Iqbal, Z. M.**, Kumar, M., Wadood, F., Ali, H., Abbas, G. and Shabbir, A., 2024. A preliminary assessment of the impact of honey on the reproductive performance of naked neck hens. 20(10). *Slovenian Veterinary Research*.
- Khan, M. T., Ahmed, S., Azhar, M., Asad, T., Arslan, M., Raziq, Gondal, M. A., Rauf, M., Liaqat, S., Bachaya, H., Kumar, M., Faran, G. V., Abbasi, F., Farroq, Z., Wadood, F., **Iqbal, Z. M.**, Abbas, G., Bughio, E., Younas, U. and Raja, I. H., 2024. Effects of Selenium-enriched Diets on the Growth Performance, Slaughter Characteristics, and Blood Biochemistry of Rhode Island Red Chicken. *Brazilian Journal of Poultry Science*, Revista Brasileira de Ciencia Avicola, 26(1): 1-9. eRBCA-2022.
- Akram, A., Farooq, A., Masud, S., Waheed, A., Faraz, A., Hussain, S. M., **Iqbal, Z. M.**, Akbar, M. A., Rizwan, M., Liaqat, C., Sanaullah, S. and Tauqir, N. A., 2024. Assessment of non-genetic factors affecting milk production in goats. VIII. International Congress on Domestic Animal Breeding, Genetics and Husbandry (ICABGEH) Antalya, Turkiye. 347-352. <https://www.researchgate.net/publication/384540362>
- Faraz, A., Tauqir, N. A., Akbar, M. A., Hussain, S. M., **Iqbal, Z. M.**, Nazir, S., Umar, M., Kanwal, I., Ilyas, M. F., Rizwan, M., Sanaullah, S., Liaqat, C. and Fatima, A., 2023. Portrayal of Productive Parameters of Marecha Camel Calves in Desert Ecosystem. *Journal of Agriculture and Food*. 4(2): 94-101
- Khan, M. T., Mehmood, S., Asad, T., Azhar, M., Arslan, M., Raziq, F., Liaqat, S., Raja, I. H., Gondal, M. A., Rauf, M., Nazir, S., Faran, G., Nisa, Q., Abbasi, F., Farooq, Z., **Iqbal, Z. M.**, Kumar, M., Wadood, F., Abbas, G., Bughio, E., Magsi, A. S., Younas, U. and Arshad, M. A. 2023. Assessing effect of feeding poultry byproducts compost on organoleptic characteristics and compositional profile of meat of broiler chickens. *Brazil. J. Biol.*, 83(e275633): 1-8.
- Khan, M. T., Mehmood, S., Arslan, M., Azhar, M., Asad, T., Raziq, F., Liaqat, S., Gondal, M. A., Rauf, M., Nazir, S., Faran, G., Abbasi, F., Farooq, Z., **Iqbal, Z. M.**, Kumar, M., Wadood, F., Raja, I. H., Ali, H., Abbas, G., Bughio, E., Magsi, A. S., Younas, U.,

- Arshad, M. A. and Rehman, M. F., 2023. Organoleptic characteristics and compositional profile of meat of growing Japanese quail fed different levels of poultry byproducts compost. *Brazil. J. Biol.*, 83 (e2274040): 1-6
- Khan, M. T., Niazi, A. S., Arslan, M., Azhar, M., Asad, T., Raziq F., Gondal, M. A., Rauf, M., Liaqat, S., Naz, S., and Bachaya, H. A., **Iqbal, Z. M.**, Kumar, M., Gull-e-Faran, Wadood, F. and Khan, H. U. (2023). Effects of selenium supplementation on the growth performance, slaughter characteristics, and blood biochemistry of naked neck chicken. *Poultry Science*, 102(3): 1-6.
- Junaid, M., Inayat, S., Gulzar, N., Khalique, A., Younas, U., Shahzad, F., **Iqbal, Z. M.** and Rajab, M., 2021. Effect of different fat levels on physicochemical, sensory and microbiological attributes of fermented laban milk. *J. Appl. Anim. Res.*, 49(1): 523-529.
- Rasoul, A. A., Khudhur, Z. O., Hamad, M. S., Ismaeal, Y. S., Smail, S. W., Rasul, M. F., Mohammad, K. A., Bapir, A., Omar, S. A., Qadir, M. K., Rajab, M. F., Salihi, A., Kaleem, M., Rizwan, M. A., Qureshi, A. S., **Iqbal, Z. M.** and Qudratullah, 2021. The role of oxidative stress and haematological parameters in relapsing-remitting multiple sclerosis in Kurdish population. *Multiple Sclerosis and Related Disorders*, 56(103228): 1-8, 103228.
- Saadullah, M., **Iqbal, Z. M.**, Haque, M. N., Hifzulrahman, Bhatti, J. A. and Abdullah, M., 2020. Effect of increasing pre-pubertal concentrate levels on reproductive and lactation performance of Nili Ravi buffalo heifers. *Trop. Anim. Heath Prod.* 2(6):2897-2903
- Iqbal, Z. M.**, Abdullah, M., Javed, K., Jabbar, M. A., Ahmed, N., Ditta, Y. A., Mustafa, H. and Shahzad, F., 2017. Effect of varying levels of concentrate on growth performance and feed economics in Nili-Ravi buffalo heifer calves. *Turkish J. Vet. Anim. Sci.*, 41(6): 775-780. doi:10.3906/vet-1702-1
- Iqbal Z. M.**, Akbar, H., Hosseini, A., Forteguerrri, E. B. R., Osorio, J. S. and Loor, J. J., 2016. Digital cushion fatty acid composition and lipid metabolism gene network expression in Holstein dairy cows fed a high-energy diet. *PLOS ONE* DOI:10.1371/journal.pone.0159536, Page 1-10. DOI: 10.1371/journal.pone.0159536.

Hosseini, A., Tariq, M. R., Rosa, F. T. D., Kesser, J. **Iqbal, Z.**, Mora, O., Sauerwein, H., Drackley, J. k., Trevisi, E. and Loor, J. J., 2015. Insuline sensitivity in adipose and skeletal muscle tissue of dairy cows in response to dietary energy level and 2,4-Thiazolidinedione (TZD). PLOS one Page 1-20. DOI: 10.1371/journal.pone. 0142633.

Aslam, N., Abdullah, M., Fiaz, M., Bhatti, J. A., **Iqbal, Z. M.**, Bangulzai, N., Choi, C. W. and Jo, I. H., 2014. Evaluation of different milking practices for optimum production performance in Sahiwal cows. J. Anim. Sci. and tech., 56(13):1-5.

Aslam, N., **Iqbal, Z. M.**, Warriach, H. M. and Wynn, P. C., 2014. Pattern of partitioning of aflatoxins from feed to urine and its effect on serum chemistry in Nili-Ravi buffalo heifers. Anim. Prod. Sci., 54: 1671-1675. <http://dx.doi.org/10.1071/AN14302>

Category: X ISSN: 1836-5787 Quality: Q2 (Impact Factor=1.028)

Haque, A. U., Abdullah, M., Saadullah, M., **Iqbal, Z. M.**, Bhatti, J. A., Ahmad, N., Rasheed, D. and Mohsin, I., 2013. Economics of Raising Calves on Milk and/or Milk Replacer in Nili-Ravi Buffaloes. Buff. Bullet., (Special issue for proceeding of the 10th world buffalo congress and the 7th Asian Buffalo Congress) 32(2): 1237-1240.

Abdullah, M., **Iqbal, Z. M.**, Saadullah, M., Haque, A. U., Javed, K., Jabbar, M. A. and Tauseef, A., 2013. Comparative Performance of Calves Fed Milk and/or Milk Replacer Supplemented with Calf Starter up to Weaning Age in Nili-Ravi Buffaloes. Buff. Bullet., (Special issue for proceeding of the 10th world buffalo congress and the 7th Asian Buffalo Congress) 874-877: 32(2).

One page paper

Iqbal, Z. M. Abdullah, M., Javed, K., Jabbar, M. A., Haque, A. and Saadullah, M., 2014. Evaluating growth performance of Nili-Ravi buffalo heifer calves at varying levels of concentrate ration. Proc. Aust. Soc. Anim. Prod. 30: 148.

BOOKS/BOOK CHAPTERS:

Sr. No.	Book Name	Year	Chapter

1.	Meat Composition and Nutrition	2025	Chapter 16: Cultured Meat Asim Faraz, Faizan Saleem, Hafiz Muhammad Ishaq, Syeda Maryam Hussain, Imtiaz Hussain Raja, Muhammad Rizwan, Irsa Kanwal, Zeeshan Muhammad Iqbal, Syed Sami Haider, Sannan Nazir, Muhammad Arslan Akbar, Muhammad Umar, Khoullah Fayyaz, Rao Aswad Irshad, Muhammad Usman, Haziq Abdullah, Muhammad Abuzar Javaid, and Muhammad Hussain Ghazali Pub Date: June 2026 Hardback Price: \$240 US £180 UK Hard ISBN: 9781779640529 E-Book ISBN: 978-1-77964-053-6 Pages: Est. 440pp w/index Binding Type: Hardback / ebook Notes: 46 b/w illustration Publisher: Apple Academic Press, CRC Press Taylor and Francis Group Owais Yousuf, PhD <i>Assistant Professor, Islamic University of Science and Technology, Awantipora</i> https://www.appleacademicpress.com/meat-composition-and-nutrition-/9781779640529
2.	Organic-Based Nanomaterials in Food Packaging	2024	Chapter 11: Safety and Regulatory Issues of Organic Nanomaterial Faraz, Asim, Faizan Saleem, Muhammad Arslan Akbar, Hafiz Muhammad Ishaq, Syeda Maryam Hussain, Zeeshan Muhammad Iqbal, Sannan Nazir, Tahir Mahmood Qureshi, Asma Akram, Mavra Ameen, Khoullah Fayyaz, Mohammad Rizwan, and Ahmad Fawad Khalil Page No. 209-225 Publisher: Springer Nature Switzerland ISBN 978-3-031-63828-2 ISBN 978-3-031-63829-9 (eBook) First online: 07-07-2024 Research Area: Organic-Based Nanomaterials in Food Packaging

			• https://doi.org/10.1007/978-3-031-63829-9 • https://link.springer.com/chapter/10.1007/978-3-031-63829-9_11
3.	From SARS-CoV to MARS-CoV Genetic Diversity of Coronaviruses, Vol, 1,	2024	Chapter 1: History of SARS-COV Muhammad Zeeshan Iqbal, Muhammad Bilal Bin Majeed, Muhammad Saeed, Muhammad Safdar, Kashif Rahim, Firasat Hussain, Hamid Majeed and Umair Younas. Page No. 2024, 1-26. ISBN (Online): 978-981-5274-94-3 ISBN (Print): 978-981-5274-95-0 (eBook) ISBN (Paperback): 978-981-5274-96-7 Research Area: Genetic Diversity of Corona Virus Published by Bentham Science Publishers Pte. Ltd. Singapore.
4.	From SARS-CoV to MARS-CoV Genetic Diversity of Coronaviruses, Vol, 1,	2024	Chapter 8: History of MERS-COV Sana Tehseen, Sidra-Tul-Muhtaha, Muhammad Saeed, Kashif Rahim, Muhammad Zeeshan Iqbal, Firasat Hussain and Umair Younas Page No. 247-274. ISBN (Online): 978-981-5274-94-3 ISBN (Print): 978-981-5274-95-0 (eBook) ISBN (Paperback): 978-981-5274-96-7 Published by Bentham Science Publishers Pte. Ltd. Singapore.
5.	Basics of Animal Production Sciences	2023	Chapter 1: Introduction to Livestock Management ISBN: 978-969-7563-43-2 Published by Books and Readers

6.	Basics of Animal Production Sciences	2023	Chapter 4: Basic Husbandry Operations ISBN: 978-969-7563-43-2 Published by Books and Readers
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CONFERENCE ABSTRACTS:

International:

- ❖ Raja I. H., A. Hayat¹, R. M. Bilal, F. Abbasi, Z. M. Iqbal, S. Saeed, M. A. Akbar⁵. (2024). Effect of citrus fruit powder on digestibility, carcass, immune response and ileal gut morphology of broiler. Poultry Science Conference (PSC@IPEX-2024), International Poultry Expo September 26-28. by Pakistan Poultry Association and University of Veterinary and Animal Sciences, Lahore. P-124.
- ❖ Iqbal, Z. M., M. Arslan, M. A. Akbar, S. Nazir, M. T. Khan, R. K. Elahi, I. H. Raja (2024). Revolutionizing the poultry industry: a deep dive into the cultured chicken meat. Poultry Science Conference (PSC@IPEX-2024), International Poultry Expo September 26-28. by Pakistan Poultry Association and University of Veterinary and Animal Sciences, Lahore. P-201.
- ❖ Iqbal, Z. M., M. Rauf, F. Hassan, A. Faraz, M. M. Ayaz, M. A. Akbar, A. Waheed, M. Arslan, S. Nazir, F. Shahzad, M. M. Jalees (2024). Rabbit Meat: A Quick Way to Fulfill Meat Demand and Supply Gap. The 8th two-day International Conference on "Global Halal Food Industry: Insights from Pakistan,". Bahauddin Zakariya University, Multan-Pakistan. April 24-25, P-241.
- ❖ Iqbal, Z. M., M. Fiaz, F. Hassan, A. Faraz, M. M. Ayaz, M. A. Akbar, A. Waheed, M. Arslan, S. Nazir, F. Shahzad, M. M. Jalees (2024). Traceable Mutton Production: An Innovative Farm-To-Fork Meat production System. The 8th two-day International Conference on "Global Halal Food Industry: Insights from Pakistan,". Bahauddin Zakariya University, Multan-Pakistan. April 24-25, P-242.
- ❖ Faraz, A., F. Saleem, A. Waheed, M. A. Akbar, H. M. Ishaq, T. Ahmad, Z. M. Iqbal, S. Nazir (2024). Halal Meat. The 8th two-day International Conference on "Global Halal

Food Industry: Insights from Pakistan,". Bahauddin Zakariya University, Multan-Pakistan. April 24-25, P-45.

- ❖ Faraz, A., F. Saleem, A. Waheed, M. A. Akbar, H. M. Ishaq, T. Ahmad, Z. M. Iqbal, S. Nazir (2024). The Global Halal Meat Market. The 8th two-day International Conference on "Global Halal Food Industry: Insights from Pakistan,". Bahauddin Zakariya University, Multan-Pakistan. April 24-25, P-46.
- ❖ Akbar, M. A., F. Hassan, Z. M. Iqbal, A. Faraz, A. Waheed, M. Arslan, S. Nazir, M. Rauf and M. Fahad (2024). Cultured Meat: The Future Food of The World. The 8th two-day International Conference on "Global Halal Food Industry: Insights from Pakistan,". Bahauddin Zakariya University, Multan-Pakistan. April 24-25, P-114.
- ❖ Jalees, M. M., W. Ashraf, K. Rahim, F. Hussain, **Z. M. Iqbal** and R. Hussain (2022). Monitoring of vaccination status and virus circulation with development of a thermostable vaccine for the control of Peste des Petites Ruminants.
- ❖ **Iqbal Z. M.**, M. Abdullah, K. Javed, M. A. Jabbar and J. J. Loor (2015). Evaluating varying dietary protein and energy levels for economical productive performance of Nili-Ravi buffalo heifer. J. Anim. Sci. Vol. 93, Suppl. S3/ J. Dairy Sci. Vol. 98, Suppl. 2.
- ❖ Abdullah, M., K. Javed, Z. M. Iqbal, M. Saadullah, M. A. Jabbar and A. U. Haque (2014). Effect of high nutrient density diets on growth performance, feed efficiency, age at puberty, and feeding economics in Nili-Ravi buffalo heifers. J. Anim. Sci., 92(2)/J. Dairy Sci. 97(1): 199.
- ❖ **Iqbal, Z. M.**, M. Abdullah, K. Javed, M. A. Jabbar, A. Haque and M. Saadullah (2013). Effect of varying levels of concentrate ration on the performance of Nili-Ravi buffalo heifer calves. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.14
- ❖ **Iqbal, Z. M.**, M. Abdullah, K. Javed, M. A. Jabbar and M. Saadullah (2013). Economics of rearing Nili-Ravi buffalo heifers on varying levels of protein and energy. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.15.

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- ❖ **Iqbal, Z. M.**, K. Javed, M. Abdullah, N. Ahmad, A. Khalique, N. Aslam and F. Shahzad (2013). Estimation of body weight from different body measurements in Kajli sheep raised under different Semi-Intensive feeding management system. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.61.
 - ❖ Ahmad, Z., J. A. Bhatti, N. Ahmad, M. A. Jabbar, M. Abdullah, A. Khalique, U. Younas, **Z. M. Iqbal** and R. A. Quddus (2013). Performance of cattle males treated via growth promoters under intensive production system. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.10.
 - ❖ Tashna, A., N. Ahmad, M. Abdullah, A. Khalique, K. Javed, Saima, S. Ahmad, **Z. M. Iqbal** and U. Younas (2013). Effect of feeding frequency on the growth performance of Beetal goat kids during winter season. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.62.
 - ❖ Khan, M. Z., T. N. Pasha, M. A. Jabbar, Y. A Ditta, Saima and **Z. M. Iqbal** (2013). Studies on imbalances of marco-minerals in Livestock of Okara and Hafizabad districts. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.74.
 - ❖ Aslam, N., M. Abdullah, J. A. Bhatti, M. Fiaz, Z. M. Iqbal and T. Ahmad (2013). Evaluating different milking practices for optimum production performance in Sahiwal Cattle. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan. P.78.
 - ❖ Haider, M., M. A. Jabbar, M. Z. U. Khan and **Z. M. Iqbal** (2013). Effect of supplementation of yeast (*Saccharomyce Cervisiae*) on milk production and milk quality in Nili-Ravi buffaloes. International Livestock and Nutrition Conference October 23-24, 2013; Uni. Vet. and Animal Sci. Lahore, Pakistan P.79.
 - ❖ **Iqbal, Z. M.**, K. Javed, M. Abdullah, N. Ahmad, A. Khalique, F. Shahzad, N. Aslam, and U. Younas (2013). Estimation of body weight from different morphometric

measurements in Kajli lambs of Pakistan. Proc 2nd int. Workshop Dairy Sci. Park, Nov 18-20, 2013; Uni. Agric. Peshawar, Pakistan.

- ❖ Shahzad, F., M. Abdullah, I. Hussain, J. A. Bhatti, M. A. Jabbar, K. Javed, A. S. Chaudhry, **Z. M. Iqbal**, Z. Kamran and Rafuddin (2013). Biotechnological methods to improve the nutritive value of wheat straw for nili-Ravi buffalo calves. Proc 2nd int. Workshop Dairy Sci. Park, Nov 18-20, 2013; Uni. Agric. Peshawar, Pakistan.

National:

- ❖ **Iqbal, Z. M.**, A. Raziq, M. Abdullah, U. Younas, N. Aslam, H. Rahman and A. Hussain (2012). Comparative performance of Lohi lambs supplemented with lucern (*Medicago Sativa*) hay and pelleted diets in addition to grazing under semi-Intensive system. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 315.
- ❖ **Iqbal, Z. M.**, M. Abdullah, M. Mudassir, A. Ahmad, U. Younas, N. Aslam and H. Rehman (2012). A survey to study the grazing behavior of different sheep breed herded by pastoralist in the northern areas of Pakistan. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 319.
- ❖ Atta, A., M. A. Jabbar, A. Khalique, U. Younas, **Z. M. Iqbal**, H. Rahman and N. Aslam (2012). Comparative effect of growth promoter on feed intake and growth performance of male buffalo calves. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 307.
- ❖ Khalique, A. A, U. Younas, **Z. M. Iqbal**, A. Hussain and H. Rahman (2012). Induction in growth rate and economics of meat yield in buffalo male calves subjected to different growth hormonal implants. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 308.

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- ❖ Younas, U., **Z. M. Iqbal**, A. Hussain, H. Rahman and N. Aslam (2012). Effect of growth promoting implants on digestibility of different feed components in male buffalo calves. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 309.
 - ❖ Rahman, H., M. Abdullah, U. Younas, **Z. M. Iqbal**, A. Hussain and S. A. Khan (2012). Effect of different forms of Alpha-Alpha on performance of Lohi lambs. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University Of Poonch Rawalakot, Azad Jammu and Kashmir. P. 310.
 - ❖ Kashif, M., M. Akhtar, U. Younas, **Z. M. Iqbal**, N. Aslam, A. Hussain and S. A. Khan (2012). Biological evaluation of different poultry by-product meals varying in protein and ash contents. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 312.
 - ❖ Kashif, M., M. Akhtar, U. Younas, **Z. M. Iqbal**, N. Aslam and A. Hussain (2012). Protein efficiency ratio and net protein ration of different poultry by-product meals varying in protein and ash contents and economics of broiler production. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 313.
 - ❖ M. Hassan, U. Younas, M. Abdullah, N. Ahmad, H. Rahman, **Z. M. Iqbal** and A. Hussain. (2012). Effect of feeding of varying levels of lucern hay and pellets on feed utilization, growth and economics in beetal kids. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 314.
 - ❖ Younas, U., M. Abdulla, **Z. M. Iqbal**, N. Ahmad, A. Hussain, N. Aslam and H. Rahman (2012). Inter-Relationship of linear body measurements with body weight in Kajli sheep at different stages of life cycle. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 317.

- ❖ Aslam, N., M. Abdullah, J. A. Bhatii, M. A. Jabbar, **Z. M. Iqbal**, U. Younas and A. Hussain (2012). The effect of different milking practices on production performance of Sahiwal cows. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 320.
- ❖ Mudassir, M., M. Abdullah, N. Ahmad, **Z. M. Iqbal**, U. Younas, N. Aslam and A. Hussain (2012). Reproductive characteristics of different breeds maintained by pastoralists in Northern areas of Pakistan. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 321.
- ❖ Farooq, M., M. Akhtar, **Z. M. Iqbal**, U. Younas, A. Hussain and H. Rehman (2012). Effect of supplementation of different levels of threonine in the vegetable protein based diet on the production performance of broiler. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 322.
- ❖ **Iqbal, Z. M.**, M. Abdullah, K. Javed, N. Ahmad, A. Khalique, U. Younas, A. Hussain and N. Aslam (2012). Estimation of body weight from different morphometric measurements in Kajli lambs of Pakistan. Agriculture and food security issues in Global environment perspective, Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir. P. 323.

WORKSHOPS/TRAINING COURSES:

- Eighteen days (21 April, 2025 to 8th May, 2025) faculty training by **National Academy of Higher Education Commission (NAHE)/Higher Education Commission (HEC)** at Cholistan at the Veterinary Academy, University of Veterinary & Animal Sciences, Bahawalpur
- Two days (14-15 February 2024) training program organized by Punjab Higher Education Commission of Pakistan (PHEC) on “**Use of Generative Artificial Intelligence Tools for Higher Education**” in teaching and research at the Veterinary Academy, University of Veterinary & Animal Sciences (UVAS), Lahore.

- One week training workshop on **“Data analysis with R”** (17-21 July 2023) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
- Two days refresher course on **“Biorisk Management”** (06-07 Oct, 2021) at Microbiology Laboratory, Cholistan University of Veterinary and Animal Science, Bahawalpur by Association for Biorisk Management.
- Five days virtual training on **“Biorisk Management”** (28 Dec, 2020 to 01 Jan, 2021) at Microbiology Laboratory, Cholistan University of Veterinary and Animal Science, Bahawalpur by Association for Biorisk Management.
- **In-Service Competency Enhancement Training for University Faculty** (25-26 April, 2019) in collaboration with Center or educational policy and administration, UVAS at Cholistan University of Veterinary and Animal Science, Bahawalpur.
- **First International Workshop on Bio-Diversity Techniques & Tools** (04 April, 2019) at Cholistan University of Veterinary and Animal Science, Bahawalpur.
- Workshop on **“DATA ANALYSIS METHODOLOGIES”** (4-8 march 2014) Bio-Statistical consulting center, Faculty of Life Sciences and Business Management, UVAS, Lahore.
- Workshop on **“ANALYZING AND IMPROVING DAIRY BUSINESS PERFORMANCE”** (5-6 September, 2013) Avari hotel, Lahore.

CONFERENCES/SEMINARS ATTENDED

- One day scientific talk on **“The fertility in estrous synchronized sheep and goats through laparoscopic artificial insemination”** 11, March 2024, Office of Research Innovation and Commercialization (ORIC) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
- **International Poultry Expo-2023** (21-23 September) Lahore Expo Center.
- International multidisciplinary conference on **“Innovations in Biochemistry, Veterinary Medicine and Pharmacology”** (06-07 February, 2023) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
- One day seminar on **“Food Security and Livestock”** (1st December, 2022) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.

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- Seminar and walk on **“Dengue Awareness Day”** (4th November, 2022) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
 - Organized **“World Animal Day”** (04th October, 2022) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
 - Organized **“Annual Dinner”** (24th September, 2022) at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
 - International conference on **“Remote Sensing and GIS Integration in Veterinary, Agriculture and Health Science”** (23-24 Feb, 2022), Faculty of Veterinary and Animal Sciences, MNS University of Agriculture, Multan, Pakistan.
 - One day seminar on **“Role of feed additives in health and production of dairy animals”** at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
 - Seminar on **“Reducing production and health losses due to mycotoxin in dairy animals”** at Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
 - Online International symposium on **“Camel as The Animal of Future** (22 June, 2020), Department of Microbiology, Virtual University of Pakistan.
 - Seminar on **Beef Summit and Feed Formulation** (01 April, 2019) at Multan organized by Alltech Pakistan
 - **Food and Nutrition Week (3-7 November 2015)**, University of Veterinary and Animal Science, Lahore-Pakistan
 - **Joint Annual Meeting, Animal Dairy Science Association - American Society of Animal Sciences (JAM-ADSA-ASAS) 12-16 July 2015**, Hotel Rosen Shingle Creek, Orlando, Florida.
 - Seminar on **“FUTURE STRATEGIES TO IMPROVE BUFFALO REPRODUCTION”** (16 April 2014) at Buffalo Research Institute, Pattoki.
 - **2nd International Workshop on Dairy Science Park (18-20 November 2013)**, University of Agriculture Peshawar, Pakistan.
 - **International Livestock Nutrition Conference (23-24 October 2013)**, University of Veterinary and Animal Sciences, Lahore, Pakistan.
 - **6th Asian Buffalo Congress 2009**. Pearl Continental Hotel, Lahore, Pakistan



CLINICAL PRACTICES:

- Surgery clinic
- Reproduction clinic
- Medicine clinic

EXTRACURRICULAR ACTIVITY:

- Martial arts (Black Belt in Kyo Koshin Ki)
- Athlete
- Cricket
- Badminton

MEMBERSHIP OF LEARNED SOCIETIES:

- Registered Veterinary Medical Practitioner (RVMP), Pakistan Veterinary Medical Council (PVMC), Islamabad
- Society of Parasitology
- Vets Blood Donor Society
- Memento Committee