

Name **Dr. Mubasher Rauf**

Education: PhD Pathology



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Name Dr. Mubasher Rauf

- **Biography:**

Dr. Mubasher Rauf is an Associate Professor and Chairman of the Department of Pathology at Cholistan University of Veterinary and Animal Sciences (CUVAS), Bahawalpur. He holds a PhD in Veterinary Pathology from the University of Veterinary and Animal Sciences (UVAS), Lahore and has more than 14 years of experience in university teaching, research, veterinary diagnostics, and academic administration in Pakistan and Saudi Arabia. His areas of expertise include veterinary pathology, histopathology, immunohistochemistry, molecular diagnostics, infectious diseases, disease surveillance and One Health. His research interests focus on livestock and poultry diseases, emerging and zoonotic diseases and advanced diagnostic techniques, with more than 42 research publications and book chapters. He is actively involved in undergraduate and postgraduate teaching, research supervision, veterinary disease diagnosis, postmortem services, and strengthening modern veterinary diagnostic and biosafety facilities.

- **Areas of Interest:**

Dr. Mubasher Rauf's areas of interest include veterinary pathology, diagnostic pathology, histopathology, immunohistochemistry, molecular diagnostics, infectious and emerging diseases and diseases of livestock, poultry and wildlife. His research focuses on disease pathogenesis, diagnosis and surveillance, with particular emphasis on zoonotic diseases and One Health. He is also interested in veterinary postmortem diagnostics, development of modern diagnostic laboratories, biosafety and biosecurity, veterinary education and research and the application of artificial intelligence and advanced technologies in pathology and disease diagnosis.

- **Trainings/Courses/ Workshops:**

- Certificate of Achievement: Two Days International Training Workshop on Utilization of IVF and Embryo Transfer Technologies for Enhancing the Genetic Potential of Livestock in Pakistan. 23–24 October 2025
- One Day Seminar on World Tuberculosis Awareness Day – Certificate of Appreciation Presented to Organizer Dr. Mubasher Rauf. 24 March 2025

- International Conference on Forestry, Food and Sustainable Agriculture (ICFFSA), Medina, Saudi Arabia. 14–15 March 2025
- Certificate of Participation: Seminar “Malaria Ends With Us”, organized by Department of Parasitology in coordination with Department of Livestock Management, CUVAS Bahawalpur. 2025
- CUVAS Certificate of Trainer: One Day Workshop on Day-1 Competency for Veterinary Graduates. 2025
- Five Days Genomic Workshop on “Integrating Genetic Improvement in Livestock for Improving Productivity and Profitability”, CUVAS Bahawalpur. 11–15 October 2021
- ABM Biorisk Management Courses, CUVAS Bahawalpur. 2021
- 1st International Conference on Zoonoses, BZU Multan. 16–17 October 2014
- Bio-Safety Training Workshop for Young Scientists, BZU Multan. 17 February 2014
- Three Days Cascading of Asian Institute of Technology (AIT), Thailand Based Training Program “Ensuring Training Effectiveness”. 9–11 April 2012
- Two Days Seminar on Recent Development in Edible Oil Production and Processing with Special Reference to Pakistan. 12–13 March 2012
- Statistical Modeling for Improving the Standards of Research and Education for University Professionals, University College of Agriculture, BZU Multan. 23–25 January 2012
- Three Days HEC Workshop on Statistical Modeling for Improving the Standards of Research and Education for University Professionals. 23–25 January 2012
- One Week Training on National Necropsy Workshop, University of Veterinary and Animal Sciences (UVAS), Lahore. 19–24 September 2011
- Participated in National Conference on the Strategies to Improve Red Meat Production in Pakistan, BZU Multan. 2010
- Hosted Delegates and Attended International Asian Buffalo Congress. 2009
- Two Weeks Short Training Course on Environmental Sampling. March–September 2009
- Attended National Conference on “Prion Diseases – A Threat to Humans and Livestock”, UVAS Lahore. 20 May 2008
- Education for Wildlife Sustainability, Training in GIS and Natural Photography, UVAS Lahore. 30–31 January 2008
- Development of Wildlife Education and Research, University of Veterinary and Animal Sciences, Lahore. 2008
- Training Workshop on Digital Library Project, University of Veterinary & Animal Sciences (UVAS), Lahore. 2008
- Necropsy Practice and its Veterolegal Implementation in Animals, Department of Pathology. 25–30 June 2007
- Successfully Attended and Qualified a 15 Days Teachers’ Orientation Program, UVAS Lahore. 15–29 June 2007

- **Publications:**

- M.T. Khana, Chang Xu, S. Khan, F. Ali, G. Abbase, Bughio, B. Siddique, M. Rauf, M.A. Gondal, K. Prince, M.S. Rehman, H.A. Bachaya, Promy Vir, Dalia Fouad, Kun Li,. “Dietary *Nigella sativa* supplementation enhances performance, carcass characteristics, meat quality,

- immune response, and gut health in broilers.” July 2025. Poultry Science 104 (2025) 105626
<https://doi.org/10.1016/j.psj.2025.105626>
- Z. Lia, M. Kumar, M. Irfan, M.T. Khan, G. Faran, G. Abbas, K. Prince, G.A. Dilbar, M.A. Gondal, M. Rauf, I. Ahmed, M. Ilyas, A. Hussain, H. Yuan, Dalia Fouad. “Impact of dietary turmeric and ginger powder on performance, serum chemistry and gut microbiota in laying hens.” Journal of Applied Poultry Research 34 (2025) 100605.
<https://doi.org/10.1016/j.japr.2025.100605>
 - Shafeeq Ur Rehman, Waqas Ashraf, Muhammad Moazam Jalees, Tariq Abbas, Humera Nazir, Jahanzaib, Muhammad Arslan Akbar, Mubasher Rauf, Shabir Ahmad, Laiba Qadir, Muhammad Shan, Faizan Ali. “A Meta-Analysis of the Preventive Potential of Mucosal Vaccines for Foot and Mouth Disease.” Journal of Microbiological Sciences J. Micro. Sci. Vol. 4(2), 212-221, 2025, <https://doi.org/10.38211/jms.2025.04.110>
 - Aamir Mushtaq, Asif Javaid, Imtiaz Hussain Raja, Muhammad Azhar, Mubasher Rauf, Sohail Ahmad. “Impact of Replacing Corn with Mango Kernel Seed Meal on Growth Performance, Carcass Characteristics and Blood Parameters in Japanese Quails.” Planta Animalia Volume 4, Issue 5. 235-242. October 10, 2025.
 - DOI: <https://doi.org/10.71454/PA.004.05.0224>
 - Safdar Iqbal, Abdul Ghaffar, Syed Qaswar Ali Shah & Mubasher Rauf. “Fossil mammals from the new locality Gazlope, Sakhi Sarwar, Sulaiman Range, district Dera Ghazi Khan, South Punjab, Pakistan.” HISTORICAL BIOLOGY. 24 Oct 2025.
<https://doi.org/10.1080/08912963.2025.2565738>
 - K. Khan, F. Raziq, M. T. Khan, M. Arslan, M. Azhar, T. Asad, G. Abbas, E. Bughio, A. S. Magsi, M. A. Gondal, M. Rauf, G. Faran, Z. Farooq, Z. M. Iqbal, M. Kumar, F. Ali, F. Wadood, M. M. Salam, S. Liaqat “Evaluating the impact of honey inclusion in drinking water on the semen quality, immunological response, and hematology of naked neck cocks.” Polish Journal of Veterinary Sciences, Vol. 28, No. 1 (2025), 43–49. DOI [10.24425/pjvs.2025.154012](https://doi.org/10.24425/pjvs.2025.154012)
 - F. Raziq, Muhammad Tahir Khan, M. Imran, W. Khan, M. Mushtaq, M. Arslan, M. Azhar, T. Asad, S. Liaqat, M. A. Gondal, M. Rauf, G. Faran, Z. Farooq, Z. M. Iqbal, M. Kumar, F. Wadood, H. Ali, G. Abbas, A. Shabbir. “A preliminary Assessment of the Impact of Honey on the Reproductive Performance of Naked Neck Hens.” Slovenian Veterinary Research 2025 | Vol 20 No 10
 DOI [10.26873/SVR-1793-2024](https://doi.org/10.26873/SVR-1793-2024)

- Khan MT, Rehman MF, Arslan M, Javaid A, Farooq U, Asad T, Nisa Q, Azhar M, Bughio E, Liaqat S, Aslam S, Ali F, Ali H, Wadood F, Gondal MA, **Rauf M**, Fouad D, Ataya FS, Safdar M, Nazir S, Magsi AS & Kumar M. “Effect of Blend of Essential Oils on Growth Performance, Carcass Characteristics, Meat Quality, Intestinal Morphology, Serum Biochemistry, and Immune Response of Broiler Chickens.” Brazilian Journal of Poultry Science. Vol 26, 2024.

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- Khan MT, Ahmed S, Azhar M, Asad T, Arslan M, Raziq F, Gondal MA, **Rauf M**, Naz S, Bachaya HA, Qumar M, Faran G, Abbasi F, Farooq Z, Wadood F, Iqbal ZM, Abbas G, Bughio E, Younas U, Raja IH, Nisa Q. “Effects of Selenium-enriched Diets on the Growth Performance, Slaughter Characteristics, and Blood Biochemistry of Rhode Island Red Chicken”. Brazilian Journal of Poultry Science. Vol 26, 2024. <https://doi.org/10.1590/1806-9061-2022-1747-ER>

- A Ullah, AA Anjum, F Raziq, MT Khan, R Gul, **M Rauf**, F Wadood, H Ali, G Abbas, E Bughio, U Younas, Q Nisa, K Khan. “Effect of ethanolic extract of Eucalyptus globulus leaves on growth enhancing, gut morphology, and intestinal absorption capacity in broiler chicken.” Journal of the Hellenic Veterinary Medical Society. Vol 75, No 1 (2024) <https://10.12681/jhvms.34468>

- Muhammad Rizwan Khan, Bushra Nisar Khan, Zia Ullah, Fakhra Nazir, Arshia Mukhtar, **Mubasher Rauf**, Muhmmad Azhar, Abida Mushtaque, Rida Fatima “Biometrical Analysis of the Indian One Horned Rhinoceros (*Rhinoceros unicornis*) in Laal Suhanra National Park, Pakistan.” Markhor The Journal Of Zoology Volume 5, Issue 1 2024. <https://doi.org/10.54393/mjz.v5i01.93>

- Safdar Ali1, Muhammad Moazam Jalees, Waqas Ashraf, Maimona Sadia, Qudratullah, Rafia Anwer, **Mubasher Rauf**, Hafsa Nasir. Medicinal Use Of Plants’ Extracts Against Clinical Isolates Of Methicillin-Resistant Staphylococcus Aureus. Pak-Euro Journal of Medical and Life Sciences. Vol. 7 No. 1, 2024.

- M. T. Khan, S. Mehmood, T. Asad, M. Azhar, M. Arslan, F. Raziq, S. Liaqat, I. H. Raja, M. A. Gondal, **M. Rauf**, S. Nazir, G. Faran, Q. Nisa, F. Abbasi, Z. Farooq, Z. M. Iqbal, M. Qumar, F. Wadood, G. Abbas, E. Bughio, A. S. Magsi, U. Younas and M. A. Arshad. “Assessing effect of feeding poultry byproducts compost on organoleptic characteristics and compositional profile of meat of broiler chickens.” Brazilian Journal of Biology, vol. 83, e275633.2023. <https://doi.org/10.1590/1519-6984.275633>

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- M. Shafiq, M.T. Khan, **M. Rauf**, F. Raziq, E. Bughio, M.A. Gondal, M.M. Jalees, S. Liaqat “Comparative Evaluation of Hatching Traits in Four Phenotypes of Naked Neck Chicken” /IJAR.BF-1449, 2022.
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- J. M. Khan, M.F. Tahir, M. F. Qamar, S. Naz, M. Rauf, R. Noreen^f, M. M. Ayaz, M. Khan, M. Ahmad, U. Khurshid, S. Saeed, M. J. Iqbal, Q. U. A. Younas and Y. Hameed “Mutations in the bone morphogenetic protein 15 gene causing defective protein secretion in Cholistani infertile sheep.”Brazilian Journal of Biology, 2024, vol. 84, e256923 |
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- Muhammad Moazam Jalees, Muhammad Khalid Mansoor, Hafsa Nasir, Usman Waheed, Waqas Ashraf, Firasat Hussain, **Mubasher Rauf**, Zeeshan Nawaz, Riaz Hussain, Muhammad Kashif Saleemi, Bilal Aslam, Imtiaz Ahmad Khan and Kashif Rahim. “Rise in spread of peste des petits ruminants (PPR) lineage IV associated role of wild animals in Pakistan.” Bioscience Research Vol. 18, No. 1, p. 1389-1396, 2021.
- Ujalla Tanveer, Laiba Bukhari, Maheen Shafiq, Zarreen Sajjad, Sana Riaz, Saim Ahmed, Muhammad Kaleem Usman, Abdul Qadeer, Hafiz Iftikhar Hussain, **Mubasher Rauf**. “Pathogenesis, Diagnosis, Immune Responses and Current Treatment Strategies of Covid-19.” International Journal of Biosciences (IJB) Vol. 18, No. 5, p. 20-28, 2021.
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- Nazeeha Waseem, Umair Waqas, **Mubasher Rauf**, Munazza Zaka Bhatti, Khushbakhat Maqbool, Muhammad Ahmad Naeem “The Prevalence of Multidrug Resistant Tuberculosis (MDR-TB) in Different Age Groups Keeping Gene-Xpert MTB/RIF as A Gold Standard Technique”. EAS Journal of Parasitology and Infectious Diseases. Vol. 3, No. 1, 2021.
<http://10.36349/easjpid.2021.v03i01.002>

- Hafiz Ishfaq Ahmad, Akhtar Rasool Asif, Muhammad Jamil Ahmad, Farwa Jabbir, Muhammad Adnan, Shakeel Ahmed, Gulnaz Afzal, Ali Haider Saleem, Linmiao Li, Haiying Jiang, Mario Juan Simirgiotis, **Mubasher Rauf**, Jinping Chen, “Adaptive evolution of peptidoglycan recognition protein family regulates the innate signaling against microbial pathogens in vertebrates” *Microbial Pathogenesis* 147 (2020).

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- Jabir Ali, **Mubasher Rauf**, Syed Asad Ali Bukhari, Sayed Jasim Raza Zaidi, Ujalla Tanveer, Khushbakhat Maqbool, Waheed Abbas, Syed Shehnsah, Asim Rasool Bhatti, Muhammad Sufyan Khalid, Muhammad Faizan Khurram Maqsood, Hafiz Muhammad Asmar Naeem. “Mosquitoes and viruses are dual threat to Pakistan: in the era of climate change.” *International Journal of Biosciences (IJB)* 2020.
- Nargis Naheed, Shabana Kalsoom, Iqra Mehmood, Muhammad Dilawaiz Khan, Muhammad Huzaifa Mahmood, Rizwana Kiran, Komal Abid, **Mubasher Rauf**. “Effect of protein, fat and carbohydrate supplemented diets on the growth performance and feeding behavior of Budgerigars (*Melopsittacus undulates*).” *International Journal of Biosciences (IJB)* 2020. Vol. 17, No. 2, p. 108-113, 2020
- Muhammad Saeed, Muhammad Naveed, Jakob Leskovec, Asghar Ali kamboh, Ihsanullah Kakar, Kifayat Ullah, Fawwad Ahmad, Muhammad Sharif, Asif Javaid, **Mubasher Rauf**, Mohamed E. Abd El-Hack, Mervat A. Abdel-Latif, and Sun Chao, “Using Guduchi (*Tinospora cordifolia*) as an eco-friendly feed supplement in human and poultry nutrition.” *Poultry Science*, 99: 2020 801–811.

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- Nasir Abbas, Muhammad Suleman, Nazir Ahmad Khan, Ijaz Ali, **Mubasher Rauf** and Sadeeq ur Rahman. “Prevalence of *Mycoplasma gallisepticum* in Poultry and Wild Life Birds Suspected of Chronic Respiratory Diseases In Northern Pakistan.” *Pakistan Journal of Zoology* 50 (3), 2018. DOI: <http://dx.doi.org/10.17582/journal.pjz/2018.50.3.1071.1077>
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Cells Propagated Ex-Vivo.” International Of Current Research. Vol 9. Issue, 03),pp 47988-47993, March, 2017

- Riaz Hussain Mirza, Khalid Javed, Maqsood Akhtar, **Mubasher Rauf**, Musarrat Abbas Khan, Murtaza Ali Tipu, Syed Muhammad Raihan Dilshad. “Environmental Factors Affecting Linear Classification of Top Line and Feet and Leg Traits in Nili Ravi Buffaloes of Pakistan.” Journal of Agricultural Engineering and Biotechnology, Vol.3 Iss. 3, PP. 84-91. Aug 2015.
- Riaz Hussain Mirza, Khalid Javed, Maqsood Akhtar, **Mubasher Rauf**, Syed Muhammad Raihan Dilshad, Musarrat Abbas Khan, Murtaza Ali Tipu. “Genetic and Phenotypic Correlation of Some Body Measurements with Milk Yield in Nili Ravi Buffaloes of Pakistan.” Journal of Animal Health and Production Vol 3, Issue 1 January 2015.

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- **M. Rauf**, Z. I. Chaudhary, M. Younus, A. A. Anjum, M. A. Ali, A. N. Ahmad and M. U. R. Khan. “Identification of *Mycoplasma gallisepticum* by **polymerase chain reaction** and conventional diagnostics from white leghorn layer flocks.” J. Anim. Plant Sci. 23(2): 2013.
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- **Books edited Book chapters or monographs published:**
 - Muhammad Moazam Jalees, Waqas Ashraf, Shafeeq Ur Rehman, **Mubasher Rauf** and Qamar-un-Nisa. “Botanical Alchemy: Ancient Remedies in Modern Healing” Chapter 11. A Publication of Unique Scientific Publishers. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 89-101. 2024 (**Book chapter**). <https://doi.org/10.47278/book.CAM/2024.102>
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