

CURRICULUM VITAE (CV)

Dr. Umair Younas

DVM, M.Phil, Ph.D, R.V.M.P, R.V.M.F
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BIOGRAPHY:

Dr. Umair Younas, is Assistant Professor and working as Officer In-charge in the Department of Livestock Management, Faculty of Animal Production and Technology (FAPT), Cholistan University of Veterinary and Animal Sciences, Bahawalpur (CUVAS, South-Punjab), Pakistan. He has completed his Doctor of Veterinary Medicine (D.V.M.) degree in 2007, M.Phil. (Livestock Management) in 2010 from University of Veterinary and Animal Sciences, (UVAS, Lahore). He has been awarded with various scholarship program throughout his professional career and got certificate of excellence from UVAS. Having expertise in dairy production and heat stress management, he completed his Ph.D. (Livestock Management) studies from UVAS, Lahore, as a HEC Indigenous Scholarship under HEC Scholarship Program.

Dr. Umair Younas worked as Sabbatical in University of Florida (USA; 2014) under HEC program "International Research Support Initiative Program (IRSIP)" to conduct various advance research trials on heat stress. Dr. Umair Younas has officially visited PTC+ institute (The Netherlands, Europe) and got training on "Milk Processing and Dairy Farm Management". In his area of interest, he has also been awarded a research project from Higher Education Commission (HEC) as Principal Investigator. He has more than fifteen years of teaching and research experience and currently working on bridging the gap between academia, industry and farmers.

AREAS OF INTEREST:

- Heat Stress Management
- Dairy production and Housing Management
- Adulteration in milk
- Strategic measures to enhance milk and meat production
- Phytogetic supplementation
- Milk chemistry and processing
- Lactation dynamics

INTERNATIONAL TRAININGS & RESEARCH EXPERIENCE

- Worked as Sabbatical in **University of Florida (UF, USA)** as a part of HEC~IRSIP program to conduct advance research studies (2014)

- Official Training on "Milk Processing and Dairy Farm Management" from the PTC+ International (Practical Training Centre plus), **Oenkerk, Netherlands, Europe** (Sep.-Oct. 2009).

PROFESSIONAL AFFILIATION:

- RVMP (Registered Veterinary Medical Practitioner) from Pakistan Veterinary Medical Council (PVMC), Life time membership
- RVMF (Registered Veterinary Medical Faculty) from Pakistan Veterinary Medical Council (PVMC)

RESEARCH PROJECT

- Working as **Co-Principal Investigator (Co-PI)** in the Higher Education Commission (HEC), Pakistan funded National Research Program for Universities (NRPU) project entitled: "Zero-waste Farm: Climate Resilient Silage System with Low-cost Indigenous Machinery and Integrated Circular Bio-economy Livestock and Meat Production Model for Sustainable Rural Production."
- Working as **Team Scientist** in the Pakistan Agriculture Research Board (PARB) funded project entitled: "Development of high nutritive, Climate resilient Sorghum genotypes by adoption of Brown Midrib (BMR) germplasm to Enhance Meat and Milk Productivity in Punjab" (21.60 million).
- Worked as **Principal Investigator** on HEC funded project "Comparative studies on chemical attributes and fatty acids profile of processed (U.H.T. & Pasteurized) and raw milks acquired from various milch species of Livestock" (0.429 million).

POST -GRADUATE STUDENTS UNDER SUPERVISION/SUPERVISED

As Supervisor = 10

As Co-supervisor = 08

PUBLISHED BOOKS

- A comprehensive book on "**LIVESTOCK PRODUCTION**" by Prof. Dr. Muhammad Abdullah and Dr. Umair Younas.
- Muhammad Abdullah, Nisar Ahmad, Hifz ur Rehman, Muhammad Saadullah, Umair Younas. **2021. Livestock Production (2nd Edition)**. Livestock Assistant Diploma (LAD) Course. Institute of continuing Education and Extension (ICE&E). UVAS. Sirajdin and Sons publications, Lahore.

PUBLISHED NEWS ARTICLES

- Article on “**National Economics and Our Livestock**” by Prof. Dr. Muhammad Abdullah and Dr. Umair Younas (Nawaey-e-Kissan, March, 2016, Page no. 26-27)
- Article on “**Heat Stress: Threat to Black Gold of Pakistan**” by Dr. Umair Younas, The Business, Lahore, Volume 10, No. 332. (Friday December 04, 2015. Page No. 5)

INTERNATIONAL ORAL/POSTER PRESENTATIONS

RESEARCH WORK ACCEPTED FOR ORAL PRESENTATION

- “Effect of heat stress on productive and physiological performance of Nili-Ravi buffaloes during early summer” by Tropical Animal Production and Science (TASP July 26-29, 2016), Bangkok, Thailand
- Comparative inter-relationship of linear body measurements with body weight in Kajli and Hissardale sheep by 11th World Conference on Animal Production (WCAP; 2013), Beijing, China.
- Inter-relationship of BW with linear body measurements in Hissardale sheep at different stages of the life cycle” by American Dairy Science Association (ADSA; 2012) U.S.A.

RESEARCH WORK ACCEPTED FOR POSTER PRESENTATION

- Effect of housing management on the performance of Nili-Ravi buffaloes under dry-hot conditions of central Punjab, Pakistan” by 8th Asian Buffalo Congress (ABC 2015) Istanbul, Turkey
- “Production and physiological performance of Nili-Ravi Buffaloes under different housing management practices during humid hot conditions of central Punjab, Pakistan” by 8th Asian Buffalo Congress (ABC 2015) Istanbul, Turkey.

INTERNATIONAL PUBLICATIONS

- ✓ A. Faitma, Z. Ahsan, O. Nasir, F. Hassan, R.M. Bilal, M. Junaid, M. Safdar, **U. Younas***. 2023. Biological Attributes of Livestock as Affected by Heat Stress in Tropical and Sub-tropical Regions. *Current Studies in Health and Life Sciences. International Society For Research in Education and Science Publications (ISRES)*. www.isres.org
- ✓ Kamal Niaz , MuhammadAsif Nawaz , Sidra Pervez , **Umair Younas**, Ismail Shah , Fazlullah Khan (2022). Total scale analysis of organic acids and their role to mitigate the Alzheimer disease. Elsevier 144: Pages 437-447<https://doi.org/10.1016/j.sajb.2021.09.020>.
- ✓ Tazerji SS, Shahabinejad F, Tokasi M, Rad MA, Khan MS, Safdar M, Filipiak KJ, Szarpak L, Dzieciatkowski T, Jurgiel J, Duarte PM, Rahman MT, Sobur MA, Islam MS, Ahmed A, Shaheen MNF, Shehata AA, Gharieb R, Fawzy M, Malik YS, Jaganathasamy N, Rajendran VO, Subbaram K, Ali PSS, Ali S, Rehman SU, Ozaslan M, Khan G, Saeed M, **Younas U**, Imran S, Junejo Y, Arabkarami P, Hogan U, Rodriguez-Morales AJ.(2022) Global data analysis and risk factors associated with morbidity and mortality of COVID-19. Gene Reports Journal_doi: 10.1016/j.genrep.2022.101505.

- ✓ B. M. S. Ahmed,* **U. Younas**, T. O. Asar, A. P. A. Monteiro, M. J. Hayen, S. Tao, & G. E. Dahl (2021). Maternal heat stress reduces body and organ growth in calves: Relationship to immune status. *Journal of Dairy Science Communications* 2:295–299 <https://doi.org/10.3168/jdsc.2021-0098>.
- ✓ Junaid, M., Inayat, S., Gulzar, N., Khalique, A., **Younas, U.**, Shahzad, F., ... & Rajab, M. (2021). Effect of different fat levels on physicochemical, sensory and microbiological attributes of fermented laban milk. *Journal of Applied Animal Research*, 49(1), 523-529.
- ✓ **Umair Younas**, Sana Tehseen, Fazlullah Khan, Kamal Niaz. (2021). Brown Algae (Fucoxanthin): Nutraceuticals and Cancer Signaling. Springer Publisher Nutraceuticals and Cancer Signaling. Food Bioactive Ingredients. Springer, Cham. p. 99-127 https://doi.org/10.1007/978-3-030-74035-1_6.
- ✓ **Umair Younas**, Muhammad Abdullah, Jalees Ahmed Bhatti, Nisar Ahmed, Faisal Shahzad, Musadiq Idris, Sana Tehseen, Muhammad Junaid, Saima tehseen & Saeed Ahmed (2020). Biochemical and physiological responses of Nili-Ravi Buffalo (*Bubalus bubalis*) to heat stress. *Turk J Vet Anim Sci* 44: 1196-1202. [doi:10.3906/vet-2005-145](https://doi.org/10.3906/vet-2005-145).
- ✓ **Umair Younas**, Sana Tehseen, Fazlullah Khan, Kamal Niaz (2020). Influence of Nutrients, Bioactive Compounds, and Plant Extracts in Liver Diseases: Hepatitis B. Elsevier pp19-39. ISBN 978-0-12-816488-4; <https://doi.org/10.1016/B978-0-12-816488-4.00012-7>.
- ✓ Muhammad Saeed, Muhammad Sajjad Khan, Kinza Amir, Jannat BiBi, Muhammad Asif, Asadullah Madni, Asghar Ali Kamboh, Zahid Manzoor, **Umair Younas** and Sun Chao (2022). Lagenaria siceraria fruit: A review of its phytochemistry, pharmacology, and promising traditional uses. *Frontiers in Nutrition* <https://doi.org/10.3389/>.
- ✓ Ihtisham Ul Haq, Fatima Fayyaz, Amna Shafqat, Abdul Basit, Firasat Hussain, Israr Aziz, Zarak Imtiaz Khan, Amjad Islam Aqib, Faisal Siddique, **Umair Younas** and Kashif Rahim. Natural products and SARS-CoV-2. **Elsevier** (Application of Natural Products in SARS-CoV-2). ISBN: 978-0-323-95047-3.
- ✓ Ihtisham Ul Haq, Zarak Imtiaz Khan, Israr Aziz, Abdul Basit, Firasat Hussain, Asma Bibi Amjad Islam Aqib, Faisal Siddique, **Umair Younas** and Kashif Rahim. Phages and SARS-CoV-2. **Elsevier**(Application of Natural Products in SARS-CoV-2). ISBN: 978-0-323-95047-3.
- ✓ **Umair Younas***, Kashif Prince (2019). *Coronavirus Disease 2019 (COVID-19): Epidemiology, Biochemistry, Diagnostics and Treatment: Mutation of SARS-CoV2* . ISBN: 978-981-4998-94-9 (Print), ISBN: 978-981-4998-93-2 (Online) _ DOI:[10.2174/97898149989321210101](https://doi.org/10.2174/97898149989321210101).
- ✓ Ahmed BMS, **Younas U**, Asar TO, Dikmen S, Hansen PJ, Dahl GE. 2017. Cows exposed to heat stress during fetal life exhibit improved thermal tolerance. *J Anim Sci*. 95(8): 3497-3503. doi: 10.2527/jas.2016.1298.

- ✓ B. M. S. Ahmed, **U. Younas**, T. O. Asar, A. P. A. Monteiro, M. J. Hayen, S. Tao, and G. E. Dahl. 2016. Maternal heat stress reduces body and organ growth in calves: relationship to immune tissue development. *J Anim Sci.* 94(5): 617. DOI: 10.2527/jam2016-1279.
- ✓ Ahmed, B.M.S., A.P.A. Monteiro, **U. Younas**, T.O. Asar, J-D. Liu, J. Hayen, S. Tao and G.E. Dahl. 2015. Maternal heat stress affects calf passive immunity: Effects on intestinal cell apoptosis. *J. Dairy Sci.* 98(Suppl. 2):713.