

CURRICULUM VITAE

Name	Muhammad Zeeshan	
Father Name	Ghulam Asghar	
Nationality	Pakistani	
Marital status	Single	
Permanent Address	Basti Manjothi, Mauza Chaudhary, Tehsil Kot Addu, Dist. Muzaffargarh	
Postal Address	Department of Parasitology, University of Agriculture, Faisalabad	
E-mail addresses:	dr.zee474@gmail.com 2018ag1914@uaf.edu.pk	
Telephone Number ☎	Cell: +92-346-4785474	
Present Post	Research Fellow, Department of Parasitology, University of Agriculture, Faisalabad-38040, Pakistan	
Professional Links:	ORCID: 0000 0002 2470 6441 Linked In: https://www.linkedin.com/in/muhammad-zeeshan-37b706195/ Google Scholar: https://scholar.google.com/citations?user=lbxoShwAAAAJ&hl=en Publons (Web of Science): Researcher ID – GPG-2821-2022; https://publons.com/wos-op/researcher/5413616/muhammad-zeeshan/	

EDUCATION

Institution attended	Certificate obtained	Years attended		CGPA/Division/Total Marks/Marks obtained	Major Subjects
		From	To		
University of Agriculture, Faisalabad	M. Phil.	2018	2020	4.00/3.97/1 st	Veterinary Parasitology
Gomal University Dera Ismael Khan	DVM	2013	2018	4.00/3.63/1 st 3980/3150	Veterinary Science
New Punjab Higher Secondary School, Kot Addu	Intermediate	2010	2012	1100/769/1 st	Pre-Medical
Govt. High School, Kot Addu	Secondary School Certificate	2008	2010	1050/880/1 st	Science

PROFESSIONAL WORK EXPERIENCE

Organization	Designation	Years attended		Skills learned
		From	To	
Al-Riza dairy farm, Gujranwala	Internee Doctor	February 2018	June 2018	Reproduction
Al-Riza dairy farm, Gujranwala	Assistant Doctor	July 2018	October 2018	Dairy Nutrition and Management
Epidemiology, Advance Diagnosis and Biological Control Model of Ticks and Tick-borne Diseases in Ruminants at Two Ecologies of Pakistan, Molecular	DPL	November 2018	November 2019	Acaricidal Efficacy Trials

Parasitology University of Agriculture, Faisalabad				
Epidemiology, Advance Diagnosis and Biological Control Model of Ticks and Tick-borne Diseases in Ruminants at Two Ecologies of Pakistan, Molecular Parasitology University of Agriculture, Faisalabad	Research Fellow	March 2022	December, 2022	Sampling and Surveys, Report writing, Organizing Conferences, Article Writings

PROFESSIONAL TRAINING

MOOC (Platform)

Sr. No.	Title of Course	Completion year	Awarding Institute
1.	Getting Started with Data Visualization in R	2023	Johns Hopkins University
2.	Introduction to Genomic Technologies	2023	Johns Hopkins University
3.	Tropical Parasitology: Protozoans, Worms, Vectors and Human Diseases	2023	Duke University
4.	GIS, Mapping, and Spatial Analysis	2023	University of Toronto
5.	GIS Data Acquisition and Map Design	2023	University of Toronto
6.	Spatial Analysis and Satellite Imagery in a GIS	2023	University of Toronto
7.	Introduction to GIS Mapping	2023	University of Toronto
8.	GIS, Mapping, and Spatial Analysis Capstone	2022	University of Toronto
9.	Introduction to Statistics & Data Analysis in Public Health	2020	Imperial College London
10.	Introduction to Statistics & Data Analysis in Public Health	2020	Imperial College London
11.	Epidemiology: The Basic Science of Public Health	2019	The University of North Carolina at Chapel Hill
12.	Measuring Disease in Epidemiology	2019	Imperial College London
13.	Study Designs in Epidemiology	2019	Imperial College London
14.	Validity and Bias in Epidemiology	2019	Imperial College London
15.	Epidemiology for Public Health	2019	Imperial College London
16.	Oral Health and You	2019	Universiti Kebangsaan Malaysia
17.	Write Professional Emails in English	2019	Georgia Institute of Technology
18.	Build Your Professional ePortfolio in English	2019	Georgia Institute of Technology
19.	Teach English Now! Reading, Writing and Grammar	2019	Arizona State University
20.	Teach English Now! Foundation Principles	2019	Arizona State University
21.	Mastering Your Personal and Professional Growth	2019	Charles Sturt University
22.	Speak English Professionally: In Person, Online & On the Phone	2019	Georgia Institute of Technology
23.	Conjunctions, Connectives and Adverb Clauses	2019	UCI Division of Continuing Education
24.	Doing Clinical Research: Biostatistics with the Wolfram Language	2019	University of Cape Town
25.	Writing in the Sciences	2019	Stanford ONLINE

26.	Writing your World: Finding yourself in the academic space	2019	University of Cape Town
27.	Dairy Production and Management	2019	Penn State College of Agriculture Sciences
28.	Bugs 101: Insect-Human Interactions	2019	University of ALBERTA
29.	Protists: Evolution and Ecology of Microbial Eukaryotes	2019	Saint Petersburg State University
30.	Whole genome sequencing of bacterial genomes - tools and applications	2019	Technical University of Denmark (DTU)
31.	DNA Decoded	2019	McMaster University
32.	Disease to Genes and Back	2019	Novosibirsk State University
33.	Fundamentals of Immunology: Death by Friendly Fire	2019	Rice University
34.	Fundamentals of Immunology: T Cells and Signaling	2019	Rice University
35.	Fundamentals of Immunology: Innate Immunity and B-Cell Function	2019	Rice University
36.	Fundamentals of Immunology: Specialization	2019	Rice University

CO-CURRICULAR, EXTRA-CURRICULAR ACTIVITIES & ADDITIONAL SERVICES

1. Reviewer of the "Journal of Innovative Sciences".
2. Reviewer of the "American Journal of Entomology"

Memberships

1. Lifetime Member of Pakistan Society of Parasitology
2. Member of Pakistan Veterinary Medical Council

PUBLICATIONS

EXTENSION ARTICLES PUBLISHED IN NEWSPAPERS/ PERIODICALS

1. **Zeeshan, M.** Sajid, M.S., Younis, S. 2023. Impact of Climate Change on Arthropod-borne Diseases. Agriworld. Vol. 09(13): pp-10
2. **Zeeshan, M.** Sajid, M.S., Ghazanfer, S. 2023. Climate Change and Protozoan Diseases. Veterinary News and Views, Vol. 07(13): pp-10
3. Ghazanfer S., Sajid, M.S., **Zeeshan, M.** 2022. What are helminths. Technology Times. February 1.
4. Ghazanfer, S., Sajid, M.S., **Zeeshan, M.** 2022. Trematode Infections. Technology Times. September 08.
5. **Zeeshan, M.**, Sajid M.S., Imran, M. 2022. House Fly: Neglected Disease Vector. Technology Times. January, 27
6. **Zeeshan, M.** 2022. Sexually Transmitted Diseases: Their Role in One Health. Technology Times. January, 21
7. **Zeeshan, M.**, Sajid M.S., Ghazanfar, S. 2021. Trichomoniasis: A veiled sexually transmitted disease. The Business. 16(243): pp. 3
8. **Zeeshan, M.**, Sajid M.S., Maqbool, M. 2021. Water-Borne parasitic diseases: measures to be safe. The Business. 16(249): pp.2
9. **Zeeshan, M.** and Sajid, M.S. 2019. Preventing Congo that transmitted through ticks. Technology Times, May 09. Available online: (<https://www.technologytimes.pk/preventing-congo-transmitted-ticks/>)
10. **Zeeshan, M.**, Sajid, M.S., Zaheer, T., Farooq, U. 2019. Lyme's Disease: Public Health Concern. Veterinary News and Views, Vol. 14 (27): pp. 10
11. **Zeeshan, M.**, Sajid, M.S., Zaheer, T., Malik, M.A. 2019. Toxoplasmosis: A Disease of Public Health Significance. Veterinary News and Views, Vol. 14(40): pp.10
12. Farooq, U., **Zeeshan, M.**, Malik, M.A. 2019. Congo Fever: Tick Borne Threat to Public Health. Veterinary News and Views, Vol. 14 (44): pp.10
13. **Zeeshan, M.**, Sajid, M.S. 2019. Leishmaniasis: An Overview. Agri World News, Vol. 5 (21)

PAPERS/ EXTENDED ABSTRACTS PUBLISHED IN ABSTRACT BOOKS/CONFERENCE PROCEEDINGS

1. **Zeeshan, M.**, Sajid, M.S., Ghazanfer, S., Maqbool, M., Malik, M.A., Younis, S. 2022. Climatic variability affecting the arthropods and arthropod borne protozoal diseases. Fourth International Conference On Emerging Trends In Bioinformatics And Biosciences. P. 209
2. Younis, S., Sajid, M.S., Naeem, M.A., **Zeeshan, M.**, Maqbool, M., Ghazanfer, S. 2022. Control of ticks using copper nanoparticles. Fourth International Conference on Emerging Trends In Bioinformatics And Biosciences. P. 277
3. Ghazanfer, S., Sajid, M.S., Rizwan, H. M. **Zeeshan, M.**, Maqbool, M., Younis, S. 2022. Climate change impacts on ticks and tick-borne manifestations. Fourth International Conference on Emerging Trends In Bioinformatics And Biosciences. P. 308
4. Younis, S., Sajid, M.S., **Zeeshan, M.**, Ghazanfer, S. 2021. Use of Arthropods and their metabolites.; Nature-friendly innovation in nanotechnology. International Conference on Sustainable Bioeconomy in Livestock and Crop Production (ICBLCP-2021).
5. Ghazanfer, S., Sajid, M.S., Rizwan, H.M., **Zeeshan, M.**, Younis, S., Malik, M.A. Dung Beetle: Dividend for Agriculture Production. International conference on susceptible Bioeconomy in Livestock and Crop Production (ICSBLCP-2021). P.71
6. **Zeeshan, M.**, Sajid, M.S., Maqbool, M., Ghazanfer, S. Parasites: Friends or Foes. International conference on susceptible Bioeconomy in Livestock and Crop Production (ICSBLCP-2021). P.70
7. **Zeeshan, M.**, Sajid, M.S., Abdullah, M.A., Zaheer, T., Ahmad, H. 2019. Global scenario of emerging and re-emerging zoonotic diseases. 1st International Conference on "Agricultural and Biological Sciences" Haripur, Pakistan
8. Malik, M.A., Sajid, M.S., Rehman, N., Hussain, K., **Zeeshan, M.**, Shah, S.H.A., Akbar, M., Talib, U., Zaheer, T. 2019. Impact of climate change on vector-borne diseases. 1st International Conference on "Agricultural and Biological Sciences" Haripur, Pakistan.
9. Sajid, M.S., Imran, M., Maqbool, M., **Zeeshan, M.**, Naveed, M., Razzaq, A. 2019. Biological Control Model of Ticks and Tick-Borne Diseases. Food Security Through Parasite Control, "PARACON" International Parasitology Conference.
10. **Zeeshan, M.**, Sajid, M.S., Maqbool, M. 2019. Nanotechnology: An Alternate Control Method for Ticks and Mosquitoes. 2019. Food Security Through Parasite Control, "PARACON" International Parasitology Conference.
11. **Zeeshan, M.**, Imran, M., Sajid, M.S., Malik, M.A. 2019. Bioinformatics: A Tool for Identification of Human Diseases. 3rd National Conference on Emerging Trends in Bioinformatics and Biosciences.
12. **Zeeshan, M.**, Sajid, M.S., Malik, M.A., Hussain, K., Ahmad, H. 2018. Entomopathogenic fungi: A novel control agent to combat acaricidal resistance. 2nd International Conference of Biochemistry, Biotechnology and Biomaterials (ICBBB)-2018, Faisalabad, Pakistan.

REVIEW PAPERS

1. Maqbool, M., MS Sajid, M Saqib, FR Anjum, MH Tayyeb, HM Rizwan, MI Rashid, I Rashid, A Iqbal, RM Siddique, A Shamim, MA Hassan, FA Atif, A Razzaq, M Zeeshan, K Hussain, RHA Nisar, A Tanveer, S Younas, K Kamran, SU Rahman. 2022. Potential Mechanisms of Transmission of Tick-Borne Viruses at the Virus-Tick Interface. Front. Microbiol. 13:846884

RESEARCH PAPERS

1. Malik, M.A., Sajid, M.S., Shamim, A., Imran, M., Arif, M.A., Siddique, R.M., Talib, U., Tayyab, M.H., **Zeeshan, M.**, Hassan, M., Rizwan, H.M., Abbas, H., Altaf. W. 2020. Comparative efficacy of oral formulations of Ivermectin and Levamisole under in vitro conditions against *Haemonchus Contortus*. Pakistan Journal of Science. 72:48-53.

Book Chapters

1. Malik, M. A., Sajid, M. S., Abbas, R. Z., Aleem, M. T., Anjum, F. R., Khan, A., Farhab, M., Maqbool, **M., Zeeshan, M.**, Hussain, K., Rehman, N., Nisar, R. H. A., Rizwan, H. M., & Tahir, U. B. (2022). Anthelmintic Drug Resistance in Livestock: Current Understanding and Future Trends.

- In J. Morales-Montor, V. H. D. Río-Araiza, & R. H. Bello (Eds.), Parasitic Helminths and Zoonoses - From Basic to Applied Research [Working Title]. IntechOpen.
2. Mahvish Maqbool, Muhammad Sohail Sajid, Rao Zahid Abbas, Hafiz Muhammad Rizwan, **Muhammad Zeeshan**, Kashif Hussain and Rana Hamid Ali Nisar. 2022. Theileriosis: Impact on Animal Health and Recent Advances Regarding Its Control. Animal Health Perspective. Unique Scientific Publisher. Vol 2. Chapter 09.
 3. Faiza Bano, Ibadullah Jan, Ayesha Riaz, Tariq Hussain, Onur Ceylan, Ceylan Ceylan, **Muhammad Zeeshan** and Saif-ul-Islam. 2023. Parasite Control Strategies: Chemotherapy. Parasitism and Parasitic Control in Animals: Strategies for the Developing World. CABI, UK. ISBN 9781800621886. DOI: 10.1079/9781800621893.0000

HONORS AND AWARDS

Title of Award

1. Awarded with Laptop from Prime Minister Laptop Scheme (HEC)

HANDS ON TRAINING WORKSHOPS/SYMPOSIA

1. 05-Days BRM Basic Training at Parasitology Lab, Faculty of Veterinary Science, University of Agriculture, Faisalabad by Association for Biorisk Management In collaboration with Health Security Partners and University of Agriculture, Faisalabad, Held on March 29 to April 02, 2022
2. One Week Hands on Training on Scanning Electron Microscopy (SEM) organized by Central Hi-Tech Laboratory and Office of Research, Innovation & Commercialization (ORIC) University of Agriculture, Faisalabad, Held on February 14-18, 2022.
3. One-day Training Workshop on Primer Designing Tool & Troubleshooting, organized by Department of Physiology, Government College University, Faisalabad on October 17, 2019.
4. Hands on Training Workshop Cum Seminar on Mosquito and Mosquito-Borne Diseases Organized by Department of Parasitology, University of Agriculture, Faisalabad Held on June 19, 2019.
5. One Day hands on Training on Laboratory Diagnosis of Parasitic Infections, Organized by Department of Parasitology, University of Agriculture, Faisalabad, Pakistan. Resource Person Prof. Dwight D. Bowman, Cornell University, New York, USA Held on January 31, 2019.

Workshops/Symposia organized

1. Member of Organizing Committee for organizing Two day Symposium on "Arthropod and Arthropod-borne Diseases". Dated: May 30-31, 2023
2. Organized Two-Days Hands-on Training Workshop cum Seminar on "Ticks and Tick-borne diseases" as Secretary. Vide No. Coord/7-B/4172-95, dated: 10-06-2022.
3. VC's Nominee for organizing "3rd National One Day Symposium on One Health" as member of Refreshment Committee. Vide No. Coord/7/2739-82, dated: 07-09-2021
4. Member of Organizing Committee for organizing One Day Training on "Practical Applications of Nutritional Epidemiology" organized by Institute of Home Sciences, Faculty of Food, Nutrition and Home Sciences, university of Agriculture, Faisalabad.

Seminar / Workshop / Conferences

1. Participated in One day Workshop on "Research and Publication Ethics" organized by Pakistan Journal of Agricultural Sciences, University of Agriculture, Faisalabad on February 20, 2023.
2. Participated in "One Health International Conference (OHIC 2022) organized by University of Veterinary and Animal Sciences, Jhang, Pakistan on 24-25th November 2022
3. Participated in a seminar "Introduction to Western Blotting" organized by Bio-Rad Laboratories and Canvio Sdn Bhd held on December 20, 2022.
4. Participated in International Conference "Climate Change: Impacts and Solutions organized by University of Agriculture Faisalabad held on November 7-9, 2022.
5. Participated in the webinar "Vector-Borne Diseases and its Pathogens in Tropics and Subtropics Areas: Knowledge and Gaps" organized by One Health & Implementation Research held on September 30, 2022
6. Participated in Fourth International Conference on Emerging Trends in Bioinformatics & Biosciences (ICETBB-2018) organized by Department of Bioinformatics, Hazara University Mansehra, Pakistan held on September 15-17, 2022.

7. Participated in 7th International Conference "Climate Smart Agriculture: Innovations and Adaptations, Faculty of Agriculture, University of Poonch Rawalakot, held on June 15-17, 2022
8. Poster Presentation in 7th International Conference "Climate Smart Agriculture: Innovations and Adaptations, Faculty of Agriculture, University of Poonch Rawalakot, held on June 15-17, 2022
9. Participated in Hands on Training Workshop Cum Seminar on Ticks and Tick-Borne Diseases, Molecular Parasitology and One Health Lab, University of Agriculture, Faisalabad, held on June 9-10, 2022.
10. Participated in Awareness Session on Antimicrobial Resistance (AMR), Antimicrobial Use (AMU), Transboundary Animal Diseases (TADs) and Herd Health Management held on June 3, 2022.
11. Participated in International Webinar on "Livestock Production Systems in an Urbanizing World" organized by FVAS, MNSUAM, Pakistan in collaboration with University of Kassel and George-August University Gottingen, Germany. Held on 30th September 2021.
12. Participated in 3rd National Symposium on "One Health" organized by Faculty of Veterinary Science, University of Agriculture, Faisalabad held on September 8, 2021.
13. Participated in Webinar on "Demographic & Clinical Aspects of Dengue in Pakistan" organized by Department of Entomology, University of Punjab, Pakistan held on June 23, 2021
14. Participated in Webinar of Community Development Initiative Project "Environmentalism in Islam" sponsored by US. Department of States, administered by IREX held on June 03, 2021.
15. Poster Presentation in International Parasitology Conference on "Food Safety Through Parasite Control" organized by Pakistan Society of Parasitology, University of Veterinary and Animal Sciences, Lahore, Pakistan. Held on November 6, 2019.
16. Participated in Layer Quality Conference, organized by World Poultry Science Association (WSPA) & Institute of Animal and Dairy Sciences (IADS), University of Agriculture, Faisalabad, held on October 23-24, 2019.
17. Participated in "Building Innovative Pakistan: 8th Invention to Innovation Summit Buy and Sell Technology" Organized by University of Punjab held on April 02-03, 2019.
18. Poster Presentation in 1st International Conference on "Agricultural and Biological Sciences" Haripur, Pakistan. Held on March 27-30, 2019.
19. Participated in seminar on "Biosafety Measures in Agriculture: Issues and Options" organized by Office of research Innovation & Commercialization (ORIC), UAF in collaboration with Pakistan Agriculture Research Board (PARB) held on March 19-20, 2019.
20. Participated in "One Day Hands on Training on Laboratory Diagnosis of Parasitic Infections" organized by Department of Parasitology, FVS, UAF in collaboration with Department of Pathobiology, College of Veterinary and Animal Sciences, Jhang, Pakistan held on January 31, 2019
21. Participated in "2nd National One Day Symposium on One Health" organized by Faculty of Veterinary Science, University of Agriculture, Faisalabad held on December 12, 2018.
22. Participated in "World One Health Day" organized by Faculty of Veterinary and Animal Sciences in Collaboration with The Brooke Pakistan, University of Agriculture, Pakistan held on October 04, 2018.
23. Participated in International Poultry Expo held on 27th – 29th September 2018 at Expo Center Lahore.
24. Participated in International Veterinary Pharma EXPO held on March 21-22, 2018, at Expo Center Lahore
25. Participated in International Poultry Expo held on 24th – 26th August 2017 at Expo Center Lahore.
26. Participated in One-day Seminar on Malaria Threats: Current Scenario and Future Prospects held on June 16, 2015, organized by Molecular Parasitology Lab, Department of parasitology, Faculty of Veterinary Science, University of Agriculture Faisalabad.
27. Participated in one-day symposium on The Ticks and Tick-Borne Diseases held on March 15, 2014, organized by Molecular Parasitology Lab, Department of parasitology, Faculty of Veterinary Science, University of Agriculture Faisalabad.

LANGUAGES & SKILLS

- **English, Urdu, Punjabi, Saraiki**

Computer Skills

Good Working Experience on

- MS Office-2003,2007,2010,2016 and 365 (Word, Excel, Outlook and PowerPoint)
- QGIS
- R Software
- Mendeley Reference Manager
- Minitab
- Clustal-X
- BioEdit
- MEGA-X
- Data Analysis at Excel

REFERENCES

- Reference and proof of publications will be furnished upon request.