



Dr. Muhmmad Nasir Bhaya

Assistant Professor (BPS-19)

DEPARTMENT OF PATHOLOGY, FACULTY OF VETERINARY SCIENCES,
UNIVERSITY OF AGRICULTURE FAISALABAD, PAKISTAN.

PhD (AFYON KOCATEPE UNIVERSITY, DEPARTMENT OF PATHOLOGY, FACULTY OF
VETERINARY MEDICINE AFYONKARAHISAR, TÜRKİYE).

ERASMUS INTERNSHIP (UNIVERSITY OF WARMIA AND MASURY, DEPARTMENT OF
PATHOLOGICAL ANATOMY, FACULTY OF VETERINARY MEDICINE OLSZTYN, POLAND).

2023 GENERAL PATHOLOGY REBROADCAST COURSE (DAVIS-THOMPSON
FOUNDATION).

DVM (UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES LAHORE).

TURKISH EQUIVALANCY OF DVM (COUNCIL OF HIGHER EDUCATION ANKARA TÜRKİYE).

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Languages

Urdu
English
Turkish
Polish

QUALIFICATION:

Degree POSTDOC	Institution Jagiellonion University Krakow, Poland	Marks/CGPA
		-
PhD (Veterinary Pathology)	AfyonKocatepeUniversity Afyonkarahisar, Türkiye	4/4
D.V.M	University of Veterinary & Animal Sciences Lahore Pakistan	3.49/4
Turkish Equivalency of DVM	YükseköğretimKurulu, Ankara, Türkiye	(No125498)
H.S.S.C	New Punjab higher secondry school kotaddu , M.Garh , Pakistan	927/1100
S.S.C	New Punjab higher secondry school kotaddu , M.Garh , Pakistan	922/1050

Professional Experiences

- Working as an Assistant Professor at the Department of Pathology, Faculty of Veterinary Science, University of Agriculture Faisalabad, Pakistan.
- Scholarship holder for the 2023 General Pathology rebroadcast course of Davis-Thompson Foundation.
- Lectures and practical exercises regarding General Pathology were attended from the

renowned veterinary pathologists of U.S.A during this rebroadcast course of Davis-Thompson Foundation.

- Erasmus internship scholarship holder at University of Warmia and Masury, Department of Pathological Anatomy, Faculty of Veterinary Medicine Olsztyn, Poland.
- Worked in necropsy, cytology, histopathology and immunohistochemical sections of commercial lab in University of Warmia and Masury, Department of Pathological Anatomy Olsztyn, Poland.
- TürkiyeBurslari Scholarship holder for PhD at AfyonKocatepe University Afyonkarahisar,Türkiye.
- Worked as a Teacher Assistant for 4 years in Pathology department of AfyonKocatepe University Afyonkarahisar,Türkiye.
- Experience of processing of thousands of necropsy, cytology, histopathology and immunohistochemical samples in commercial lab of AfyonKocatepe University Afyonkarahisar,Türkiye.
- Experience of special cytological staining and evaluation procedures for the laboratory diagnosis.
- Experience of histopathological procedures and diagnosis of pathological diseases.
- Experience of special immunohistochemical techniques for the diagnosis of pathological conditions.
- Expertise in necropsy, cytology, histopathology, immunohistochemistry, immunofluorescence, PCR, Gel electrophoresis, RNA isolation, Cancer cell biology, oncology, toxicology and cellular biochemistry.
- Worked in many Tubitak and University research projects.
- Thesis research project (AfyonKocatepe University Scientific Research Project Coordination Unit (BAPK) Project number “21.SAG.BIL.13” with the name of “The investigation of microenvironmental markers in canine cutaneous mast cell tumors (thesis number: 2022-012)”.
- Got Turkish equivalency for Veterinary Doctor.
- Passed YDS English exam of Türkiye.
- Passed TOEFL English language exam.
- Passed Turkish language exam of Istanbul University-Cerrahpaşa, Türkiye.
- Ex-veterinary clinician at Pet Clinic, Lahore, Pakistan.
- Pre internship in UVAS Ravi campus Pattoki outdoorclinic
- Pre internship on UVAS Pet center,Lahore, Pakistan
- Participated in international conference on advances in parasitology and public health (ICAPPH-2014) at CVASJhang, Pakistan.
- Participated in one day workshop on equine shoeing by Brooke Hospital for animal at CVASJhang, Pakistan.
- Participated in International Livestock Nutrition Summit Feb. 21, 222017.
- Participated in international pharma expo at international expo centre,Lahore, Pakistan
- Participated in international poultry expo at international expo centre,Lahore, Pakistan
- Participate in national veterinary quiz competition in CVAS, Jhang as a focal person.

TEACHING EXPERIENCE

Undergraduate Courses

- General Veterinary Pathology
- Meat hygiene and necropsy practices
- Poultry Pathology
- Systemic Veterinary Pathology
- Basic Pathology

- Introduction to Pathology

Postgraduate Courses

- Oncology
- Molecular Pathology
- Ruminant Pathology
- Pets and wildlife Pathology
- Forensic Pathology
- Equine and camel Pathology

SCIENTIFIC ACCOMPLISHMENTS

- Member: Pakistan Veterinary Medical Council
- Member: Advisory Board of Mediterranean Veterinary Journal
- Reviewer: Pakistan Veterinary Journal
- Reviewer: Eurasian Journal of Veterinary Science

International/National Trainings/Seminars/Workshop

- 2023 General Pathology Rebroadcast Course (DAVIS-THOMPSON FOUNDATION).
- Post Induction Training at University of Agriculture Faisalabad, Pakistan.
- Organizer: International seminar 2024 “Poultry Health Challenges” on Thursday 21 November 2024 at UAF, Pakistan.
- Participated in “Workshop on Molecular Identification of Pathogens of Birds” on Wednesday 16 April 2025 at UVAS, Lahore Pakistan
- Wildlife Education camp course from AKU, Türkiye.

RESEARCH

1. The Investigation of Some Microenvironmental Markers in Canine Mast Cell Tumors. (**Thesis number-2022-012**).
2. Necmettin Ceylan, Sait Koca, Shahram Golzar Adabi, Nejla Kahraman, **Muhammad Nasir BHAYA**, Mehmet Fatih Bozkurt, (2021). Effects of Dietary Energy Level and Guanidino Acetic Acid Supplementation on Growth Performance, Carcass Quality and Intestinal Architecture of Broilers. *Czech Journal of Animal Science*, 66(07): 281–291. <https://doi.org/10.17221/11/2021-CJAS>.
3. Hasan AYDIN, Alper YALÇIN, Ahmet TÜRK, Orhan ÖZDİLLER, Atilla YOLDAŞ, Hikmet KELEŞ, **Muhammad Nasir BHAYA**, (2022). Investigation of the Effects of N-Acetylcysteine on Asprosin Hormone Activity and Liver Tissues in Rats with Experimentally-Induced Diabetes. *Turkish Journal of veterinary Research*, 6(2): 37-42. <https://doi.org/10.47748/tjvr.1061413>.
4. Mehmet Fatih Bozkurt, **Muhammad Nasir BHAYA**, İbrahim Halil Sever, Bahattin Özkul, Oytun Erbaş, (2022). Medroxyprogesterone acetate improves propionic acid-induced autism in rat model and magnetic resonance spectroscopic correlation. *Bangladesh Journal of Pharmacology*, 17: 56-65. DOI:[10.3329/bjp.v17i2.59412](https://doi.org/10.3329/bjp.v17i2.59412).
5. **Muhammad Nasir BHAYA**, HikmetKeles, (2022). The protective effect of ellagic acid on cyclophosphamide induced renal damage in rats. *Pakistan Journal of Zoology*, 1-8. DOI:[10.17582/journal.pjz/20220203110224](https://doi.org/10.17582/journal.pjz/20220203110224).
6. Mehmet Fatih BOZKURT, **Muhammad Nasir BHAYA**, Alper NİŞANCI, (2022). Cutaneous clear cell adnexal carcinoma in two dogs: cytological and immunohistochemical evaluation. *Veterinary Journal of Ankara University*, DOI:[10.33988/auvfd.1102050](https://doi.org/10.33988/auvfd.1102050).

7. **Muhammad Nasir BHAYA**, Hikmet Keleş, Ibrahim Keleş, (2022). The reformative effect of glycyrrhizin against chemotherapy-related toxicity in kidneys of rats: an experimental approach. *International Journal of Herbal Medicine*,10(5): 01-06. DOI:<https://doi.org/10.22271/flora.2022.v10.i5a.829>.
8. Mehmet Fatih Bozkurt, **Muhammad Nasir BHAYA**, Oytun Erbaş, (2022). Mesenchymal stem cells has ameliorative effect in the colitis model [via](#) Nrf2, IL-10 pathway. *Acta Cirúrgica Brasileira Journal*, Oct 10; 37(7): e370704. DOI:[10.1590/acb370704](https://doi.org/10.1590/acb370704).
9. Omer Hazman, Mehmet Fatih Bozkurt, Zehra Kumral, Mehmet Savrik, Sindarov, Bobur Sindarov, **Muhammad Nasir BHAYA**, (2022). The Effects of β -Escin on Inflammation, Oxidative Stress and Langerhans Islet Cells in High-Fat Diet and Low Dose Streptozotocin-Induced Experimental Type-2 Diabetes Model. *Biologia Journal*, DOI:[10.1007/s11756-022-01266-6](https://doi.org/10.1007/s11756-022-01266-6).
10. Saira Afzal, Mehreen Nasir, **Muhammad Nasir Bhaya**, Khunsa Junaid, Amber Arshad, Muhammad Zeeshan Raza, Muhammad Amjad Ali, Waqas Ahmad and Sandul Yasobant, (2022). Multifactorial Complexity and Zoonotic Aspects of Dog-Mediated Human Rabies in Pakistan, *Pakistan Veterinary Journal*, DOI: [10.29261/pakvetj/2022.081](https://doi.org/10.29261/pakvetj/2022.081).
11. Bahar KARTAL, Ebru ALİMOĞULLARI, Mehmet Fatih BOZKURT, **Muhammd Nasir BHAYA**, Hazal DEMİR, Uygur SAÇIK, (2023). The investigation of effect of Vitamin D and Omega 3 on vena cava, *Kirikkale university medical Journal*, 25(1):100-106. DOI: [10.24938/kutfd.1184139](https://doi.org/10.24938/kutfd.1184139).
12. Katarzyna Paździor-Czapula, **Muhammad Nasir Bhaya**, Agnieszka Piotrowska, Iwona Otrocka-Domagala (2023). Extracardiac adult-type rhabdomyoma—Report of two cases in dogs, *Veterinary Clinical Pathology*, 52(4):1-4. DOI: 10.1111/vcp.13305.
13. Ebru Alimogullari, Bahar Kartal, Mehmet Fatih Bozkurt, Hazal Demir, Uygur Sacik, **Muhammed Nasir Bhaya** (2024). Effect of vitamin D and omega-3 on the expression of endoplasmic reticulum associated protein degradation and autophagic proteins in rat brain, *Turk J Biochem* 2024; *aop*. DOI:[10.1515/tjb-2024-0154](https://doi.org/10.1515/tjb-2024-0154).
14. Tahir Kahraman, Seyda Secgin, **Muhammad Nasir Bhaya**, Mehmet Fatih Bozkurt, Hikmet Keles, Sarab Hayder Weli Weli, İdris Turel (2025). Therapeutic potential of morin hydrate in methotrexate-induced liver in experimental rats: regulation of organ function and alleviation of oxidative stress, *Cukurova Med J* 2025;50(1):211-220. DOI: [10.17826/cumj.1612553](https://doi.org/10.17826/cumj.1612553).
15. Muhammad Usman, **Muhammad Nasir Bhaya**, Muhammad Nadeem, Huzaila Mudassar, Umair Ahmed, Farhana, Anam Zohra (2025). The sustainable role of parasites in modulating environment, immune system and gut microbiota, *Letters in Animal Biology* 05(2): 129 – 135. Doi: [10.62310/liab.v5i2.240](https://doi.org/10.62310/liab.v5i2.240).
16. Ibrahim Demirkan, Tolga Ertekin, Musa Korkmaz, Sebnem Pamuk, Hayati Yuksel, Mehmet Fatih Bozkurt, Mehmet Ozdemir, **Muhammad Nasir Bhaya**, Aysun Cevik-Demirkan, Atilla Dogan, Sinan Saracli (2025). Comparison of the Anti-tumoral Effects of Kefir with Buffalo and Cow Yogurt on 1,2-Dimethylhydrazine-induced Colon Cancer in Mice, *Pak vet J*. Doi: [10.29261/pakvetj/2025.291](https://doi.org/10.29261/pakvetj/2025.291).
17. Muhammad Usman, Riffat Maqsood, Roshan Riaz, Idil Şerbetci, **Muhammad Nasir Bhaya**, Mahmood Ul Hassan (2025). Selenium as a Modulator of Reproductive Immunity: Molecular Insights and Translational Potential in Livestock, *Reproduction in Domestic Animals*, 60:e70146. Doi: [10.1111/rda.70146](https://doi.org/10.1111/rda.70146).

INTERNATIONAL CONFERENCES PUBLICATION

1. Histiocytic Sarcoma: A Guinea Pig (Published in Virtual One Health International Conference 25-26 November 2020). **ISBN: 978969-7517-28-2.**
2. Cutaneous Clear Cell Adnexal Carcinoma in Two Dogs: Cytology, Histopathology, and Immunohistochemical Features (Published in Virtual One Health International Conference 25-26 November 2020). **ISBN: 978969-7517-28-2.**
3. The Impact of Osteoarthritis in the Equine Industry: A Review (Published in International Conference on Farriery and Allied Veterinary Sciences Dec 7, 2020). **ISBN: 978-605-82095-2-7.**
4. Digital Dermatitis in Ruminants: A Review (Published in International Conference on Farriery and Allied Veterinary Sciences Dec 7, 2020). **ISBN: 978-605-82095-2-7.**
5. Fabrication of Cu Nanoclusters based Thiolated Chitosan Nano-carriers loaded with Levofloxacin and their Evaluation for Antimicrobial Analysis against MDR Bacteria (Published in International Congress on Biological and Health Sciences online 26-27-28 Feb, 2021). **ISBN 978-625-409-647-1.**
6. The role of veterinarians in one health and zoonoses (Published in 4th Virtual One Health International Conference 24-25 November 2022).
7. The evaluation of protective role of ursolic acid against chemotherapy-induced nephrotoxicity in rats with apoptotic and anti-apoptotic markers (Published in 4th Virtual One Health International Conference 24-25 November 2022).
8. Molecular Characterization of Toxoplasma gondii and its Zoonotic Potential for Public Health Significance (Published in second International Congress on Biological and Health Sciences online 24, 25, 26-27 Feb, 2022: **ISBN: 978-605-71368-0-0.**
9. Extracardiac adult-type rhabdomyoma—Report of two cases in dog (Published in 1st International Microbiology Conference 13-15 november 2024).
10. Mycobacteriosis in Homing Pigeon: a case report (Published in International Graduate Research Conference, UAF, Pakistan on 22 March 2025: **ISBN: 978-969-8374-32-7**

POSTERS PRESENTATION

1. Histiocytic sarcoma in male Guinea pig (Presented in Virtual One Health International Conference 25-26 November2020: **ISBN: 978969-7517-28-2.**
2. Cutaneous Clear Cell Adnexal Carcinoma in Two Dogs (Presented in Virtual One Health International Conference 25-26 November2020: **ISBN: 978969-7517-28-2.**
3. Digital Dermatitis in Ruminants (Presented in International Conference on Farriery and Allied Veterinary Sciences Dec 7, 2020:**ISBN: 978-605-82095-2-7.**

ADDITIONAL SKILLS

Computer skills especially in MSOffice.

- Experience of research projects designing.
- Experience of work in scientific research projects.
- Experience of cytological, histopathological and immunohistochemical procedures for the diagnosis of pathological conditions.
- Worked as a class representative for 3 years in the University.

- Permanent member of the University proctorialboard.
- Huge experience of management of all kind of events like spring festivals, sports festivals, functions of classes, workshops, long and short recreational tours of classes, study tours.
- Internet & Web Browsing, Surfing andSearching
- Operating System: MicrosoftWindows
- Proficiency in English, Urdu, Turkish.

DOCUMENTS

- PhD Degree and transcripts
- DVM Degree and transcripts
- Turkish Equivalency Degree
- TürkiyeBursleri Scholarship certificate
- Erasmus internship Scholarship certificate
- Davis-Thompson Foundation General Pathology course certificate
- Turkish Language Certificate
- YDS Result Certificate
- TOEFL Result Certificate
- International Conferences Certificates

REFERENCES

1. **Prof. Dr. HikmetKeles**

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2. **Assistant Professor Mehmet Fatih Bozkurt**

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3. **Prof. Dr. IwonaOtrocka-Domagala**

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