



AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6864

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di

Responsabile scientifico: Prof. Chaves Sanjuan Antonio

[Nome e cognome]

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Muqaddas
Nome	Hira

OCCUPAZIONE ATTUALE

Incarico	Struttura
Assistant Professor	Department of Zoology The Women University Multan, Punjab, Pakistan

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Zoology (Advance cell and molecular biology)	University of Sargodha, Sargodha, Punjab, Pakistan	2012
Specializzazione			
Dottorato Di Ricerca	Zoology (Parasitology)	University of Sargodha, Sargodha, Punjab, Pakistan	2021
Master			
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			



ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	Excellent

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2022	8th edition of the Parasitology Summer Course (VIII ParSCo) from 4th to 11th June in Aeolian, Sicilian islands, Italy. (Winner of Boehringer Ingelheim student grant)
2024	Winner of Charles Wallace Visiting Fellowships 2024-25 by British council, will visit Ecology and Epidemiology Group at Lancaster University UK for the period of six weeks
2024	Letter of contribution and appreciation on providing the voice over for the videos links embedded in the 5th Veterinary Parasitology Textbook by Prof. Domenico Otranto and Prof. Richard Wall - Wiley - 2023

ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività

I possess extensive expertise in a range of molecular biology techniques, including fundamental skills in conventional PCR, DNA sequencing, and sequence submission to the NCBI GenBank database. My proficiency extends to advanced phylogenetic analysis using MEGA software, haplotype analysis through DnaSP 6, Arlequin, and PopART software, which are crucial for understanding genetic diversity and evolutionary relationships. Additionally, I am skilled in molecular cloning, transformation, and culturing, as well as protein purification techniques, essential for studying protein function and interactions. My experience in in silico drug design includes protein and ligand docking using AutoDock Vina and Discovery Studio, ligand preparation with Chimera and PyMOL, and detailed interaction analysis using LigPlot+, complemented by ADMET analysis for evaluating pharmacokinetic properties. Furthermore, I am adept at constructing study area maps using QGIS software, which enhances the spatial representation and analysis of research data. My comprehensive skill set in molecular biology and bioinformatics equips me with the ability to conduct complex experimental and computational research efficiently.

ATTIVITÀ PROGETTUALE

Anno	Progetto

TITOLARITÀ DI BREVETTI

Brevetto



CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
16-18.03.2023	41st Pakistan Congress of Zoology (International)	Speaker
15-17.03.2023	30th Annual Meeting of the German Society for Parasitology	Speaker
28-30.08.2023	XXIX World Congress on Echinococcosis	Speaker

PUBBLICAZIONI

Libri
Yousaf F, Kousar S, Khokhar KF, Nigar M, Aslam M, Fatima M, Rasool M, Riaz A, Muqaddas H and Mehmood N, 2024. Exploring the potential of plant extract, green nanoparticles, and oil formulation for the control of disease caused by cestodes: trends and challenges. In: Ahmed R, Khan A, Abbas RZ, Farooqi SH and Asrar R (eds), <i>Complementary and Alternative Medicine: Nanotechnology-II. Unique Scientific Publishers, Faisalabad, Pakistan</i> , pp: 198-207. (Book Chapter: ISBN-978-969-2201-20-9)
Muqaddas H , Mehmood N, Ahmed F, Fatima M, Rasool M, Zafar S, Riaz A and Nauman M, 2023. Problems and perspectives related to cystic echinococcosis in Pakistan: solutions in one health context. In: Aguilar-Marcelino L, Younus M, Khan A, Saeed NM and Abbas RZ (eds), <i>One Health Triad, Unique Scientific Publishers, Faisalabad, Pakistan</i> , Vol. 3, pp: 172-179. (Book Chapter: ISBN-978-969-2201-07-0)

Articoli su riviste
Ghafar, A., Alghamdi, S. Q., Alanazi, A. D., Qousain, S. M. Z., Ijaz, M., Naeem, M., Ali, M., Muqaddas, H. , Khan, A. & Iqbal, F. (2024). Molecular prevalence of vector borne bacterial pathogens in the blood samples of wild rodent species trapped from Saudi Arabia. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 106, 102129. (https://doi.org/10.1016/j.cimid.2024.102129)
Ashraf S, Hikal WM, Almahallawi R, Muqaddas H , Iqbal F (2024) Molecular prevalence, associated risk factors and phylogenetic evaluation of <i>Theileria lestoquardi</i> in the blood samples of small ruminants. <i>PLoS ONE</i> 19(7): e0306697. (https://doi.org/10.1371/journal.pone.0306697)
Mehmood, N., Zulfiqar, S., Muqaddas, H. , Hasnain, M., Zheng, Y., Bisetegn, H., ... & Iqbal, F. (2024). Molecular Characterization and Phylogenetic Analysis of <i>Fasciola gigantica</i>



Based on ITS-1 Genetic Marker and copro-epidemiological Survey from Ruminants of Pakistan. <i>Acta Parasitologica</i> , 1-10. (https://doi.org/10.1007/s11686-024-00911-1)
Ahmad, G., Masud, A., Naeem, M., Ghafar, A., Muqaddas, H. , Qamar, M. F., ... & Iqbal, F. (2024). Molecular prevalence, phylogeny and hematological impact of <i>Toxoplasma gondii</i> and <i>Plasmodium</i> spp. in common quails from Punjab, Pakistan. <i>PloS one</i> , 19(5), e0304179. (https://doi.org/10.1371/journal.pone.0304179)
Muqaddas, H. , Mehmood, N., Saarma, U., Usman, A., Ahmed, F., Varcasia, A., ... & Ullah, M. I. (2023). First report of <i>Echinococcus ortleppi</i> and <i>E. canadensis</i> (genotype G6) from southern Punjab, Pakistan and a global overview on genetic structure and host adaptation of <i>E. ortleppi</i> . <i>Acta Tropica</i> , 106951. (https://doi.org/10.1016/j.actatropica.2023.106951)
Arif, M., Saeed, S., Bashir, A., Farooq, M., Nasreen, N., Khan, A., Asif, M., Khalil, M.A., Ijaz, M., Muqaddas, H. , Mehmood, N., Iqbal, F. & Chen, C. C. (2023). Molecular prevalence and phylogeny of <i>Anaplasma marginale</i> , <i>Anaplasma ovis</i> and <i>Theileria ovis</i> in goats and sheep enrolled from a hill station in Punjab, Pakistan. <i>Plos one</i> , 18(11), e0291302. (https://doi.org/10.1371/journal.pone.0291302)
Jamil, S., Chiou, C. C., Muqaddas, H. , Ullah, H., Asif, M., Rao, S., Hussain, H., Fatima, Q., Nasreen, N., Niaz, S., Dzul-Rosado, K., Khan, A., Iqbal, F., Chen, C.C. (2023). Simultaneous molecular detection of <i>Anaplasma marginale</i> and <i>Theileria annulata</i> in cattle blood samples collected from Pakistan-Afghanistan border region. <i>PLoS One</i> , 18(7):e0288050. (doi: 10.1371/journal.pone.0288050)
Mehmood, N., Muqaddas, H. , Ullah, M. I., Saarma, U., & Varcasia, A. (2022). Genetic structure and phylogeography of <i>Echinococcus granulosus sensu stricto</i> genotypes G1 and G3 in Pakistan and other regions of the world based on nad5 gene. <i>Infection, Genetics and Evolution</i> , 105223. (https://doi.org/10.1016/j.meegid.2022.105223)
Muqaddas, H. , Mehmood, N., & Arshad, M. (2020). Genetic variability and diversity of <i>Echinococcus granulosus sensu lato</i> in human isolates of Pakistan based on cox1 mt-DNA sequences (366bp). <i>Acta Tropica</i> , 105470. (https://doi.org/10.1016/j.actatropica.2020.105470)
Mehmood, N., Muqaddas, H. , Arshad, M., Ullah, M. I., & Khan, Z. I. (2020). Comprehensive study based on mtDNA signature (nad1) providing insights on <i>Echinococcus granulosus ss</i> genotypes from Pakistan and potential role of buffalo-dog cycle. <i>Infection, Genetics and Evolution</i> , 104271. (https://doi.org/10.1016/j.meegid.2020.104271)
Mehmood, N., Arshad, M., Ahmed, H., Simsek, S., & Muqaddas, H. (2020). Comprehensive Account on Prevalence and Characteristics of Hydatid Cysts in Livestock from Pakistan. <i>The Korean Journal of Parasitology</i> , 58(2), 121. (https://doi.org/10.3347/kjp.2020.58.2.121)
Muqaddas, H. , Arshad, M., Ahmed, H., Mehmood, N., Khan, A. & Simsek, S. (2019). Retrospective Study of Cystic Echinococcosis (CE) Based on Hospital Record from Five Major Metropolitan Cities of Pakistan. <i>Acta Parasitologica</i> . (https://doi.org/10.2478/s11686-019-00109-w)
Khan, Z. I., Muhammad, F. G., Ahmad, K., Alrefaei, A. F., Ahmad, T., Ejaz, A., Nadeem, M, Shahzadi M, Muqaddas, H. & Mehmood, N. (2023). Evaluation of potential ecological



risk assessment of toxic metal (lead) in contaminated meadows in the vicinity of suburban city: soil vs forages vs livestock. <i>Brazilian Journal of Biology</i> , 83, e272087. (https://doi.org/10.1590/1519-6984.272087)
Liu, W., Ahmad, K., Khan, Z. I., Mughal, N., Wajid, K., Munir, M., .. Muqaddas, H. , & Noorka, I. R. (2020). Comparative study of forage toxic metals of conventional versus non- conventional pastures in relation to animal mineral nutrient allowance. <i>Environmental Science and Pollution Research</i> , 1-8. (https://doi.org/10.1007/s11356-020-09599-y)
Liu, W., Mehmood, N., Saeed, H., Arshad, M., Khan, Z. I., & Muqaddas, H. (2020). Quantitative analysis of lead in cows and buffaloes for health assessment. <i>Environmental Science and Pollution Research</i> , 27(8), 8621-8627. (https://doi.org/10.1007/s11356-019-07556-y)
Ahmad, K., Nawaz, K., Khan, Z. I., Nadeem, M., Wajid, K., Ashfaq, A., Muqadas, H. & Kokab, R. (2018). Effect of diverse regimes of irrigation on metals accumulation in wheat crop: an assessment - dire need of the day. <i>Fresenius Environmental Bulletin</i> , 27(2), 846-855.
Ahmad, M. S., Khan, Z. I., Ahmad, K., Muqadas, H. et al. (2017). Accretion & dispersion of heavy metals in a vegetable grown in contaminated soil with sewage water: A matter of great concern & community health consequences. <i>Fresenius Environmental Bulletin</i> , 26, 4345-4349.
Khan, Z. I., Iqbal, S., Batool, F., Ahmad, K., Elshikh, M. S., Muqadas, H. ... & Muneeb, A. (2017). Evaluation of Heavy Metals uptake by wheat growing in sewage irrigated soil: relationship with heavy metal in soil and wheat grains. <i>Fresenius Environmental Bulletin</i> , 26(12 A), 223-233.
Ahmad, K., Khan, Z. I., Kaukab, R., Wajid, K., Mehmood, N., Muqaddas, H. , ... & Ayub, M. (2017). Health risk assessment of toxic heavy metals in wheat crop grown under domestic wastewater irrigation. <i>Fresenius Environ. Bull.</i> , 25, 7643-7650.
Arshad, M., Mehmood, N., Muqadas, H. , Chaudry, J., Mustafa, I., Khan, R. M., Malik, I. U., & Ahmed, H. (2014). Avifauna Studies in Co-Relation with Alteration in Climatic Patterns and Hydrology of Uchalli Lake, Punjab, Pakistan. <i>Pakistan J. Zool.</i> , 46(2), 503-515.
Mustafa, I., Shabbir, R. M. K., Subhani, M., Ahmed, I., Raza, A., Jamil, S., Muqadas, H. et al. (2014). Seasonal Activity of Tick Infestation in Goats and Buffalo of Punjab Province (District Sargodha), Pakistan. <i>Kafkas. Univ. Vet. Fak. Derg.</i> , 20 (5), 655-662.

Atti di convegni
[titolo, struttura, città, anno]
[titolo, struttura, città, anno]
[titolo, struttura, città, anno]



ALTRE INFORMAZIONI

References:

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2: Furhan Iqbal

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Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI sul sito di Ateneo** e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: ____Multan, Punjab, Pakistan_____, ____25-09-2024____