



ABOUT CONFERENCE

Today, human beings are more exposed to various diseases that were not prevalent in the past. Increased in population, rapid industrialization and human interventions in the nature has made him at risk for numerous diseases. Traditional approaches to control the diseases are: vaccination, case management, treatment and medication. However, molecular genetics and OMICS tools are latest approaches to improve resistance against diseases. In this conference, discussions will be opened with international and national experts about the use of the above tools to develop disease resistance in a broader perspective of one health. The main purpose of this conference is to bring the fertile minds on one plat form and develop strategies to combat diseases by utilizing the modern-day tools and make a way forward to better perform in the domain of disease resistance in the local situations.

SCOPE

Molecular biology in general and OMICS in particular is a new area and possesses a huge scope. The developed part of the world is taking full advantage of these latest techniques and tools to improve resistance against diseases. This conference is aimed at sensitizing the domestic brain to cope with the demands of the modern day. Abdul Wali Khan University Mardan, will provide a plat form to the young and seasoned scientists from across Pakistan and abroad to showcase their research findings for the betterment of the science and humanity.

IMPORTANT DATES

Abstract Submission Deadline: November 20, 2023
Abstract Acceptance Notification: November 25, 2023
Full Length Abstract Submission: November 30, 2023
Registration Deadline: November 31, 2023

ORGANIZED BY

- Abdul Wali Khan University Mardan

SUPPORTED BY BY

- Pakistan Science Foundation
- Higher education Commission

ORGANIZING COMMITTEE



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Prof. Dr. Zahoor-ul-Haq
Vice Chancellor: Abdul Wali
Khan University Mardan



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Veterinary Sciences and
Animal Husbandry, AWKUM



Chief Organizer and Focal Person
Dr. Tahir Usman (PI)
Associate Professor, College
of Veterinary Sciences and
Animal Husbandry, AWKUM

1st

INTERNATIONAL ONE HEALTH CONFERENCE ON

RECENT TRENDS IN IMPROVING RESISTANCE AGAINST DISEASES USING MOLECULAR GENETICS AND OMICS TOOLS

DECEMBER 6-7, 2023

SUB THEMES

- One Health (Humans, Animals, Plants, and Environment)
- Antimicrobial Resistance (AMR)
- Livestock Improvement
- Novel Approaches in Combatting Diseases
- Industry Academia Partnership
- Health Security & Biosecurity
- Industrial Exhibition

ABDUL WALI KHAN UNIVERSITY MARDAN

AWKUM, established in 2009, is the second-largest university of the province and stands 1st in Khyber Pakhtunkhwa and 2nd in the whole country according Times Higher Education Ranking 2023. The university has 34 academic departments where more than 100 undergraduate and graduate degree programs are offered to 15000 students.

AIMS AND OBJECTIVES

- Disseminate knowledge and research findings related to enhancing disease resistance through the utilization of molecular genetics and OMICS tools
- Create a collaborative platform for all stakeholders to collectively devise effective solutions for challenges in improving host genetics and microbial resistance stewardship
- Explore new avenues within the field of life sciences to combat diseases
- Foster collaboration and networking among researchers, professionals, and facilitate stronger connections between academia and industry
- Showcase a variety of industry products to increase awareness among the general public

INTERNATIONAL SPEAKERS

1. DR. FRANCISCO PEÑAGARICANO
Assistant Professor,
**Department of Animal and Dairy Sciences
University of Wisconsin Madison, U.S.**
2. PROF. DR. HASAN KHATIB, Professor,
Department of Animal and Dairy Sciences
University of Wisconsin Madison, U.S.
3. PROF. DR. YU YING, Professor,
College of Animal Sciences And Technology
China Agriculture University, China.
4. DR. PETER THOMSON,
Honorary Associate Professor,
Sydney School of Veterinary Sciences,
The University of Sydney Australia.
5. DR. SARAH BLOTT, Associate Professor
Animal Breeding and Genetics,
Faculty of Medicine & Health Sciences
The University of Nottingham, UK
6. DR. ALIREZA SAZMAND
Department of Pathobiology,
Bu-Ali Sina University, Iran

NATIONAL ADVISORY COMMITTEE

- 1: Prof. Dr Shahid Mehmood Baig (Chairman PSF)
- 2: Professor Dr Zabta Khan Shinwari (Distinguished National Professor, QAU, TI)
- 3: Professor Dr Subhan Qurshi (Ex Dean FAHVS, Agriculture University Peshawar)

INTERNATIONAL ADVISORY COMMITTEE

- 1: Prof. Dr. Hasan Khatib (University of Wisconsin, USA)
2. Prof. Dr. Zhou Rui, Huazhong Agriculture University, Wuhan, China
- 2: Prof. Dr Wang Yachun (China Agricultural University)
- 3: Dr Dexin Tian, Chief Scientist, Secretary General National Eco Security System China
- 4: Dr. Peter Thomson, Sydney School of Veterinary Sciences, The University of Sydney Australia.

TARGET AUDIANCE

The conference is open to students, researchers, scientists, geneticist, Bioinformatician, biotechnologist, microbiologist, allied health sciences, veterinary sciences and related researchers. A great opportunity to meet renowned international and national speakers in person.

VENUE OF THE CONFERENCE

College of Veterinary Sciences and Animal Husbandry, Abdul Wali Khan University Mardan

REGISTRATION FEE

Category	Fee
Students	PKR 1000
Faculty	PKR 3000
International	\$ 100
Industry	Silver: PKR 20,000 Gold: PKR 50,000 Platinum: PKR: 100,000

TENTATIVE PROGRAMME AGENDA

Tuesday, Dec 5, 2023	
Arrival of delegates by Airport/Rail (Arrangements for pick up and lodging of delegates)	
Wednesday, Dec 6, 2023 Day 1	
08:00-09:00	Registration
09:00-10:00	Inauguration
10:00-10:30	(Tea)
10:30-12:30	Joint Session (Plenary Lecturer by Invited Speakers)
12:30-13:30	Lunch/Prayer Break
13:30-15:30	Technical Session I
15:30-16:30	Poster Presentation
Thursday, Dec 7, 2023, Day 2	
09:00-11:00	Technical Session II
11:00-11:30	Tea
11:30-13:00	Technical Session III
13:00-14:00	Lunch/Prayer Break
14:00-15:30	Technical Session IV
15:30-16:00	Group Discussion and Recommendation
16:00-17:00	Concluding Session Shields, Awards and Certificate Distribution Concluding Remarks and Vote of Thanks

CONTACT INFORMATION

For Registration and Information:
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For hospitality and Transportation:
Dr. Irfan Khattak
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Dr. Naimat Ullah Khan
(Email: naimatullahkhan19@yahoo.com)