













PROF. DR. ANILA KAMAL **Vice Chancellor**

(12th November, 2025)

(Head, Department of Statistics)

Dr. Muhammad Bilal

Dr. Amber Sarwar (Head, Department of Computer Sciences)

(Head, Department of Information Technology)

Dr. Saba Riaz

ORGANIZER Prof. Dr. Muhammad Zaman Ashraf

CO-ORGANIZERS

Prof. Dr. Saima Mustafa (Chairperson, Department of Mathematics)

Dr. Irfan Qasim (Chairperson, Department of Physics)

Dr. Samina Qamer

(Chairperson, Department of Botany)

DEPARTMENT OF BOTANY

2. Plant Physiology and Climate Resilience

7. Harnessing Biotechnology and AI in Botany

DEPARTMENT OF CHEMISTRY

4. Ethnobotany and Herbal Remedies

1. Functional Materials & Polymers

7. Chemistry in the Digital Age

1. Al solutions for Social Good

8. Water Treatment & Conservation **DEPARTMENT OF COMPUTER SCIENCE**

3. Cyber Resilience and Digital Trust

5. Emotion and Empathy-Aware HCI

6. UX/UI for Accessibility and Inclusion

4. Inclusive Digital Transformation

7. Metaverse and XR Technologies 8. Next-Gen Connectivity and Edge Computing

2. Smart Materials for Energy Solutions

3. Bioorganic & Medicinal Chemistry
4. Green and Clean Technologies
5. Chemical Engineering & Sensors
6. Environmental Challenges & Solutions

5. Entrepreneurship in Botany

6. Green Energy

THEMES OF SCIENCES

3. Sustainable Agriculture and Environmental Stewardship

2. Climate Conscious for Sustainable and Green Computing

FOCAL PERSONS

Dr. Deeba Afzal, Mathematics

Dr. Bushra Parveen, Physics

Dr. Shazia Shamas, Zoology Dr. Banzeer Abbasi, Botany

Dr. Musarrat Ijaz, Statistics

Dr. Amber Sarwar, Computer Sciences

Dr. Adnan Mustafa, Information Technology

Dr. Tunzeel Igbal, Chemistry

IMPORTANT DATES Call For Abstract:

15th July. 2025

Abstract Submission Deadline:

15th Aug. 2025

Abstract Decision:

1st - 10th Sept. 2025

Early Bird Registration Deadline:

25th Sept. 2025

REGISTRATION FEE

Other than RWU Students

Other than RWU Faculty

International Participants (Students)

International Participants (Professionals)

RWU Faculty

2000 PKR

3000 PKR

50\$

75\$

2500 PKR 3000 PKR

2500 PKR

3500 PKR

50\$

75\$

5. Theoretical and Computational Fluid Dynamics 6. Relativistic, Astrophysics, Gravitation and Cosmology

I. Cybersecurity & Privacy 2. Artificial Intelligence & Machine Learning

3. Cloud Computing & Edge Computing

6. Data Science & Big Data Analytics 7. Blockchain & Decentralized Applications

DEPARTMENT OF MATHEMATICS

1. Applied and Pure Mathematics for Sustainable Development

4. Mathematical Modeling and Simulations for Global Health

KEYNOTE SPEAKERS

Dr. Junaid Rashid. (Seiong University, Republic of Korea)

Prof. Dr. Saud Altaf, (National Skill University, Islamabad)

KEYNOTE SPEAKERS

DEPARTMENT OF MATHEMATICS

rof. Dr. Azad Siddiqui, (NUST, University Islamabad)

KEYNOTE SPEAKERS

Prof. Dr. Wazir Zada Khan, (University of Wah, Rawalpindi)

Dr Hassan Dawood, (University of Engineering & Technology, Taxila)

Dr. Ali Javed, (University of Engineering and Technology, Taxila)

Prof. Dr. Khurram Shabbir, (Government College University, Lahore) Professor Cemil Tunç, Van Yuzuncu Yil, Turkey University

Dr. Rizwan Ali Naqvi, (Sejong University, Seoul, South Korea) Dr Amiid Rehman, (Prince Sultan University, Saudi Arabia)

4. Human-Computer Interaction (HCI)

5. Internet of Things (IoT)

8. Robotics & Automation

- 1. Condensed Matter Physics

- 5. Laser and Spectroscopy
- 8. Health and Radiation Physics

- 2. Nano Science and Technology

3. Computational Mathematics

- 3. Optoelectronics
- 4. Medical Physics
- 6. High Energy Physics
- 7. Renewable Energy

DEPARTMENT OF PHYSICS

KEYNOTE SPEAKERS

DEPARTMENT OF STATISTICS

Prof. Dr. Tahir Mehmood, NUST Islamabad Prof. Dr. Muhammad Aslam, BZU, Multan

DEPARTMENT OF STATISTICS

l. Design of Experiment 2. Multivariate Analysis

4. Data Science/Machine Learning

5. Bayesian Statistics/ Probability Theory

DEPARTMENT OF ZOOLOGY

6 Insect Biodiversity and Pollinator Economics

7 Neuroendocrine Networks Regulating Reproduction

1 Biodiversity Conservation and Ecosystem Sustainability

6. Time Series Analysis / Econometrics

3 Animal Physiology and Reproduction 4 Role of Al in Zoology 5 One Health and Applied Microbiology

3. Survey Sampling

2 Aquatic Zoology

KEYNOTE SPEAKERS

DEPARTMENT OF ZOOLOGY

Prof Dr Zeliha Selamoglu, (Ömer Halisdemir University, TURKEY) Prof. Dr. Muhammad Jawad Hassan, (Shifa Tameer e Millat University)

Dr. Sajid Malik, (Quaid-i-Azam University, Islamabad)

Dr. Haroon Ahmed, (COMSATS University, Islamabad)

Dr. Sara Mumtaz, (National University of Medical Sciences, Rawalpindi)



REGISTRATION LINK: https://tinyurl.com/64usfrnw

ALLIED BANK ACCOUNT NUMBER IBAN NO: PK45ABPA0020094166980020

CONTACT

Dr. Sumuya Munib (Computer Science)

DR. MOTSIM BILLAH Conference Secretary Q C 0334-5554979

0334-8555084

Prof. Dr. Tariq Mahmood, (Quaid-i-Azam University Islamabad) Prof. Dr. Muhammad Naveed, (University of Central Punjab) KEYNOTE SPEAKERS

KEYNOTE SPEAKERS

Prof. Erdogan E Hakki (University of Selcuk, Campus, Konya Türkiye Prof. Dr. Hassan Sher, Vice Chancellor, [The University of Swat) Prof. Dr. Hamayun Shaheen, (The University of Azad Jammu & Kashmir) Prof. Dr. Rehamt Ullah Qureshi, (Arid Agriculture University Rawalpindi)

DEPARTMENT OF BOTANY

DEPARTMENT OF CHEMISTRY

- Prof. Dr. Mariusz Mojzych, Collegium Medicum,
 The Mazovian Academy in Plock, Poland
 Ornamic Mariusz Mojzych, Collegium Medicum,
 Kebangsaan Malaysia
 Dr. Jamal Raffique, Federal university of Matto
 Grosso do su, Brazil
 Dr. Sumbal Saba, Federal University of Goiss, Brazil
 Prof. Dr. Marzar Sohali, (RNS NUST) a Sk.
 Dr. Sajjad Hussain Sumrra, (University of Guirat)
 Dr. Sumbal Saba, Federal University of Guirat)

KEYNOTE SPEAKERS DEPARTMENT OF COMPUTER SCIENCE

Dr. M. Aqeel (abal, Department of IT, Buraimi University College, Oman Dr. Mamoona Humayun, School of Arts, Humantities and Social Sciences, University of Roehampton, London, SWIS 591, United Kingdom Dr. Nasir Mehmood Minhas, Research Advisor Blekinge Institute of Technology, Sweden Prof Dr. Xseer Hafere, (UIII-7 ARID) Prof. Dr. Mudassar Raza, (Namal University, Mianwali)

DEPARTMENT OF PHYSICS

Prof. Dr. liang He, Nanjiang University China

Dr. Norma Alias, (UTM, Malaysia)

Prof. Dr. Muhammad Sultan Satti, VC (Kohsar University, Murree) Prof. Dr. Syed Zafar Ilyas - VC, Kohat University of Science & Technology

Prof. Dr. Saif Ullah Awan, NUST, Islamabad

RAWALPINDI WOMEN UNIVERSITY

6th ROAD, SATELLITE TOWN, RAWALPINDI, PAKISTAN, (Ph. 051-9291648)

ABOUT CONFERENCE

Rawalpindi Women University proudly announces the 4th International Conference on Sciences, RSO-21st Century, to address global challenges such as infectious diseases, climate change, and sustainable development. The conference, which includes fields like Botany, Chemistry, Zoology, Physics, Mathematics, Statistics, and Computer Science & Information Technology, focuses on cutting-edge research and practical applications in sustainable development. The conference aligns with the United Nations Sustainable Development Goals (SDGs), highlighting the role of science in addressing global issues. Participants are invited to engage in thought-provoking discussions, share groundbreaking research, and forge collaborations across disciplinary boundaries. The aim is to pioneer new scientific frontiers, empower future scientists, and catalyze innovations that address pressing global needs. Join us at Rawalpindi Women University for the 4th International Conference on Sciences, where ideas converge, knowledge flourishes, and collective efforts pave the way for a brighter and more sustainable future.

SCIENTIFIC COMMITTEE

DEPARTMENT OF BOTANY

1. Syeda Anber Zahra, Institute of Biomaterial and Biomedical, Shanghai Zhongqiao Vocational and Technical University. Shangai, China

- 2. Dr. Samar Fatima, University of Gujrat
- 3. Dr. Ibrar Shinwari, Islamic International University, Islamabad
- 4. Dr. Syed Aneel Gillani, Associate Curator at Pakistan Museum of Natural History
- 5. Dr. Sumaira Igbal, Lahore College Women University, Lahore
- 6. Dr. Kausar Hussain Shah, Bahauddin Zakariya University, Multan
- 7. Dr. ZahidUllah, University of Swat
- 8. Dr. Tabassum Yaseen, Bacha Khan University, Charsadda
- 9. Dr. Riffat Batool, Kohsar University Murree
- Dr. Ansa Rukya Saleem, Bahria University, Islamabad (arukya.buic@bahria.edu.pk.
- 11. Dr. Noshin Ilyas, PMAS-Arid Agriculture University Rawalpindi, Rawalpindi
- 12. Prof. Dr. Abdul Samad Mumtaz, Quaid-i-Azam University, Islamabad
- 13. Dr. Sobia Nisa, University of Haripur
- 14. Dr. Naila Safdar, Fatima Jinnah Women University

DEPARTMENT OF CHEMISTRY

- Prof. Dr. Aamer Saeed Bhatti, Professor, Quaid-E-Azam University, Islamabad
- 2. Prof. Dr. Abid Zia, Professor/Principal, University of Education Attock campus 3. Prof. Dr. Shahid Igbal, Professor/ Principal, University of Education, Faisalabad campus
- 3. Froi. D. Salanti Quagn, Froiessoy, Pininga, University of Luctacium, Frasalaubau Campus 4. Dr. Jamal Rafique, Associate Professor, Federal university of Matto Grosso do sul, Brazil 5. Dr. Sumbal Saba, Assistant Professor, Federal university of Goiás, Brazil 6. Dr. Saleha Suleman Khan, Assistant Professor, SBKWU Quetta

- 7. Dr Abid Ali , Assistant Professor , University of Lahore, Lahore 8 Dr Aiman Sadaf Assistant Professor, NUST Islamahad
- Dr Yasir Altaf, Assistant Professor, University of Education, Jauharabad campus
 Dr Pozia Batool, Assistant Professor, University of Sargodha, Sargodha
- 11. Dr Erum Jabeen, Lecturer Department of Chemistry Allama Igbal Open University, Islamabad
- 12. Dr Saima Aftab, Postdoc Fellow, School of Automation Engineering , China 13. Dr Safia Khan, Postdoc Fellow, Shandong University, Jinan, China 14. Dr Nudrat Mubarik, Sustainable Research Officer, University College London
- 15. Dr. Umair Shamraiz Research Associate, Shenzhen University, China

ADVISORY COMMITTEE

DEPARTMENT OF COMPUTER SCIENCE

- 1. Dr. Mussarat Yasmeen, Associate professor, COMSATS
- 2. Dr Asim Munir, Islamic International University, Islamabad,
- 3. Dr. Saud Altaf, National Skill University 4. Dr. Shariq Hussain, Foundation University
- 5. Dr. Azhar Imran, Air University

- I. Prof. Dr. Saud Altaf. National Skill University. Islamabad
- 2. Prof. Dr. Wazir Zada Khan, University of Wah, Rawalpindi
- i. Dr. Bilal Bajwa, National Skill University, Islamabad
- 5. Dr Hassan Dawood, University of Engineering and Technology, Taxila
- 6. Dr. Ali Javed, University of Engineering and Technology, Taxila 7. Dr. Sohaira Ahmad, HITEC University Taxila

DEPARTMENT OF MATHEMATICS

- 1. Prof. Dr. Tasawar Hayat, Quaid-i-Azam University, Islamabad.
- 2. Prof. Dr. Sohail Nadeem, Quaid-i-Azam University, Islamabad
- 3. Prof. Dr. Ghulam Mustafa, Islamic University of Bahawalpur, Bahawalpur
- 4. Prof. Dr. Muhammad Shabir, Quaid-i-Azam University, Islamabad
- 5. Prof. Dr. Aslam Malik, University of Punjab, Lahore
- 6. Prof. Dr. Saima Akram, Government College Women University Faisalabad, Faisalabad
- 7. Prof. Dr. Muhammad Riaz, University of Punjab, Lahore
- 8. Prof. Dr. Muhammad Abbas, University of Sargodha. Sargodha
- 9. Prof. Dr. Sadia Hina, Fatima Jinnah Women University, Rawalpindi
- 10. Prof. Dr. Imran Asjad, University of Management Technology, Lahore
- 11. Dr. Farkhanda Afzal, Military College of Signals, National University of Science & Technology, Islamabad
- 12. Dr. Nasir Rehman, Allama Iqbal Open University, Islamabad
- 13. Dr. Muhammad Imran, Government College University Faisalabad, Faisalabad
- 14. Dr. Yasir Ali, EME, Nust, Islamabad
- 15. Dr. Tahir Mehmood, International Islamic University, Islamabad
- 16. Dr. Muhammad Muddassar, UET Taxila, Taxila
- 17. Dr. Najma Abdul Rehman, COMSATS University Islamabad, Sahiwal Campus, Sahiwal 18. Dr. Ghaus ur Rahman, University of Swat, Swat
- 19. Dr. Shahid Mobeen, Baba Guru Nanak University, Nankana Sahib
- 20. Dr. Naveed Ahmed, HITEC University, Taxila.
- 21. Dr. Iffat Zehra . Air University. Islamabad
- 22. Dr. Naveed Yaqoob, Riphah International University, Islamabad
- 23. Dr. Faiz Muhammad Khan, University of Swat, Swat 24. Dr. Saleem Ullah, Air University, Islamabad
- 25. Dr. Shamsa Kanwal, Fatima Jinnah Women University, Rawalpindi
- 26. Dr. Faryal Chaudhary, University of Lahore, Lahore
- 28. Dr. Naila Rafiq, National University of Modern Languages, Islamabad
- 29. Dr. Bushra Majeed, CEME, NUST, Islamabad
- 30. Dr. Ambreen Ahmed, University of Narowal, Narowa
- 31. Dr. Sadia Midhat, PMAS, Arid Agriculture University, Rawalpidi
- 32. Dr. Waqas Yasin, University of Narowal, Narowal

REGISTRATION COMMITTEE

Mr. Kashif Ali (Assistant Treasurer)

Dr. Deeba Afzal (Associate Professor)

Dr. Benazeer Abbasi (Assistant Professor)

Dr. Amber Sarwar (Assistant Professor)

Dr. Shazia Shamas (Assistant Professor)
Dr. Adnan Mustafa (Assistant Professor)

Dr. Musarrat liaz (Assistant Professor)

Dr. Tunzeel Igbal (Lecturer)

- Prof. Dr. Saif Ullish Awan, National University of Science and Technology, Islamabad
 2. Dr. Mahmood Ul Hassan Department of Physics, University of the Punjab
 3. Dr. Nida Içbal Chairperson, Biomedical engineering department, UEL, Lahore New campus
 4. Dr. Nadir Ali Khan, University of Deschawar
 5. Dr. Syed Raza Ali Raza, Allama Iqbal Open University, Islamabad
 6. Dr. Shahzad Hussain, Comasta University Islamabad Campus
 7. Dr. Muhammad Irfan, Mirpur University of Science and Technology, Mirpur AJK
 8. Dr. Muhammad Irman, Comasta University Lahore Campus
 9. Dr. Muhammad Irman Malik Associate Professor National University of Science & Technology, Islamabad
- 9. Dr. Muhammad Imran Malik Associate Professor National University of Science & Tech
 10. Dr. Rizwan Ahmed Principle Scientis National Centre for Physics, Islamabad
 11. Dr. Sikander Azam, Riphah International University Islamabad
 12. Dr. Sikanan Idabi, Department of Physics, University of the Punjab
 13. Dr. Muhammad Amin, Department of Physics, University of Lahore
 14. Dr. Shabbir Hussain, Institute of Chemistry, KFUETT,
 15. Dr. Syed Hamsz Safere, Department of Physics, Qualid-i-Azam university, Islamabad
 16. Dr. Faisal Munir Bhutta, School of Natural Sciences (SNS) NUST, Islamabad

- 17. Dr. Asad Igbal, EME College NUST
- 18. Dr. Junaid Ali, Comsats University, Islamabad
- 19. Dr. Asghar Ali, Department of Physics, University of Lahore

DEPARTMENT OF STATISTICS

- Dr. Manzoor Khan, Quaid-i-Azam University Islamabad
 Dr. Aamir Saghir, Mirpur University of Science and Technology, Mirpur, AJK
 Dr. Amna Nazee, Comsat University Islamabad
- 4. Dr. Zaheen Khan, Federal Urdu University of Science and Technology, Islamabad
- 5. Dr. Syed Muhammad Muslim Raza, Virtual University of Pakistan 54-Lawrence Road, Lahore, Pakistan 6. Dr. Asma Gul, NUST, Islamabad
- 7. Dr. Shakeel Ahmed, NUST, Islamabad
- 8. Dr. Nadia Shabnam, National University of Medical Sciences, PWD, Islamabad 9. Dr. Ammara Nawaz Cheema, Air University Islamabad campu
- 10. Dr. Tahir Mahmood, NUST Islamabad
- 11. Dr. Nasir Abbas, Govt Graduate Colleg, Jhang, Pakistan
- 12. Dr.Sajid Ali, Quaid-i-Azam University Islamabad
- 13. Dr. Sadia Masood, PMAS-Arid Agriculture University, Rawalpindi 14. Dr. Mansoor Shaukat Khan, Comsat University Islamabad

- 1. Prof. Dr. Muhammad Ali [Sl. Tl], University of the Punjab, Lahore
 2. Prof. Dr. Muhammad Shahab, Shaheed Benazir Bhutto University, Sheringal, Dir
 3. Prof. Dr. Naeem Tariq, Narejo University of Baltistan, Skardu
 4. Prof. Dr. Sarwat Jahan, Ex-Dean, Faculty of Biological Sciences, QAU, Islamabad
 5. Dr. Muhammad Zahid, Islamia College University, Peshawar
 6. Dr. Tariq Mahmood, Department of Zoology, Wildlie Fisheries, Pir Mehar Ali Shah Arid
 Agriculture University, Rawalpindi
 1. Dr. Zahi Un Nika, Government College University, Falslabad
- 7. Dr Zaib Un Nisa, Government College University, Faislabad
- 8. Dr. Farkhanda Asad, Government College University Faisalabad (GCUF)
- 9. Dr. Ahmad Farooq, Islamabad Medical and Dental College, ANTH Islamabad 10. Dr. Zahida Nasreen, Department of Zoology, University of Mianwali
- 11. Dr. Rugia Mehmood Baig, Department of Zoology, Wildlife & Fisheries, Pir Mehar Ali Shah Arid Agriculture University, Rawalpindi
- 12. Dr. Asma ul Husna, Department of Zoology, University of Hariput
- 13. Dr. Saima Qadeer, Department of Zoology, University of Education. Jauharabad campus 14. Dr. Iram Maqsood, Shaheed Benazir Bhutto Women University Peshawar

RECEPTION COMMITTEE

- Dr. Baqir Hasnain (Director,QEC/EL)
- Dr. Mamoona Munir (Assistant Professor) Dr. Noureen Khan (Associate Professor)
- Dr. Rehana Rahim (Assistant Professor)
- Dr. Ghulam Narjis (Lecturer) Dr Huda Sarwar (Lecturer) Ms. Sidra Khudadad (Lecturer)

ACCOMMODATION COMMITTEE

Dr. Waqar Mehmood (0322-5167800) Ms. Sadaf Parveen (0347-9511547) Ms. Sanila Arshad

Mr. Umair Jalal (0332-5351191) (0302-2012545) Mr. Muhammad Ishfaq (0314-9799745)

Prof. Dr. Saima Mustafa (Maths) Prof. Dr. Sobia Musoda (Psychology) Pro. Dr. Rooh U Amin, (English) Dr. Huma Fawad (Additional Registrar) Mr. Muhammad Naved Ashraf (Additional Treasurer) Dr. Baqir Hasnain (Director, QEC/EL) Mr. Farrukh Athal (Project Director) Mr. Al-Murtaza Turabi Director Purchase & Store) Ms. Khadija Saeed (Additional Director Student A fairs) Mr. Yasir Mumtaz (Additional Director) PICTORIAL GLIMPSES OF 3rd INTERNATIONAL CONFERENCE, 2024







RAWALPINDI WOMEN UNIVERSITY 6th ROAD, SATELLITE TOWN, RAWALPINDI, PAKISTAN, (Ph: 051-9291648)