



# 1<sup>st</sup> International Conference on:

## Physics Horizons and Multidisciplinary Science(ICPHMS-2023)

27 - 28 February, 2023

Organized by:

Department of Physics COMSATS University Islamabad, Lahore Campus and Department of Physics GC University Faisalabad.

**Venue: COMSATS University Islamabad, Lahore Campus**

### "CHIEF GUESTS"



**Prof. Dr. Khaleeq Ur Rehman**

Vice Chancellor,  
Green University Lahore



**Prof. Dr. Arshad Saleem Bhatti**

Rector, Virtual University of Pakistan



**Prof. Dr. Muhammad Ramzan**

Vice Chancellor,  
Emerson University Multan



**Prof. Dr. Robina Farooq**

Vice Chancellor,  
GC Women University Faisalabad



**Prof. Dr. Aurangzeb Khan**

Vice Chancellor,  
University of Lakki Marwat



**Muhammad Raza Chohan**

Advisor HEC Pakistan

We aim to be a leader of the disciplines of emerging sciences and technology by developing analytical tools excelling in teaching, scholarship and exploiting opportunities for academic research.

## Introduction

COMSATS University is the top ranking university of the world which believes on quality of research and strive for excellence. This conference will cover a wide range of interdisciplinary and current research topics related to different fields of physics including medical physics, material physics, semiconductor physics, particle physics, renewable energy sources among many others. It will allow the participants to exhibit their innovative ideas and provide them an opportunity to discussion with the experts in order to enhance their skills. Since physics is a major science and the word is moving toward multidisciplinary research. Physics is playing a vital role in every field of life and also to uplifting the country economy. Physics is gaining more and more importance and is the need of the time to gather the scientist from different field of sciences. This International event will serve the purpose where many renowned international and national speakers will be presenting and discussion their research work.



## Mission

The main aim of this conference is to enhance the knowledge about latest trends in physics. It will provide an open forum for sharing research advances, innovative ideas, novel research techniques and to discuss serious research problems and their solutions and discussing current challenges and potential among the experts and new comers in the field. It will gather national and international researchers, faculty members and students to share and learn fundamental science and application-oriented approaches in physics. A great forum for the students where they will get a chance to discuss their research and education related issues with the renowned scientists.

# International Speakers



*Prof. Dr. tayyaba Hasan*

Professor of Dermatology  
Harvard Medical School,  
USA



*Prof. Dr. Vanderlei  
S. Bagnato*

Professor, Institute of  
Physics Sao Carlos  
University of Sao  
Paulo Brazil



*Prof. Dr. Saidur Rahman*

Professor, Sunway  
University, Malaysia.



*Prof. Dr. Muhammet Toprak*

Professor,  
KTH-Royal Institute of  
Technology, Sweden



*Prof. Dr. Zeliha Selamoglu*

Professor, Medical Biology  
department Nigde  
Ömer Halisdemir  
University, Turkey



*Dr. Yahia Chergui*

Associate Professor.  
IGEE Boumerdes University  
Algeria



*Dr. Abdullah Riaz*

Research Assistant  
University of  
Rostock Germany



*Dr. Nadeem Abbas*

Research Scientist  
University of Leicester, UK



*Dr. Waseem Haider*

Associate Professor,  
Central Michigan University,  
USA



*Dr. Noman Arshad*

Senior reacher,  
The Sunway University,  
Malaysia



*Prof. Dr. M. Zubair Iqbal*

Professor,  
Zhejiang Tech. University  
China



*Prof. Dr. Hossain Ghanbari*

Dean, School of Advanced  
Technoligises In Medicine  
(TUMS), Iran



*Dr. Li Li*

Senior Researcher,  
The University of  
Queensland, Australia



*Dr. Nazia Hossain*

Research Associate,  
RMIT University, Australia



*Mr. Awais Ahmad*

Researcher,  
UNIVERSIDAD DE  
CORDOBA, Spain



*Prof. Dr. Sheikh Akbar*

Professor,  
Ohio State University, USA



*Mr. Muhammad Aseer*

Research Associate,  
TUMS, Tehran, Iran



*Dr. Rahima Nasrin*

Associate Professor,  
University of Barisal,  
Bangladesh.



# National Speakers



*Dr. Zafar Wazir*

Chairperson/Associate Professor, Department of Physics, Ghazi University, Dera Ghazi Khan



*Dr. Yasir Jamil*

Chairperson, Department of Physics, University of Agriculture Faisalabad



*Dr. Khawaja Imtiaz Ullah*

Associate Professor, Department of physics, Hazara University



*Dr. Saadat Majeed*

Associate Professor, Department of Analytical Chemistry, Baha Uddin Zakariya University, Multan



*Prof. Dr. Gul Rooh*

Professor, Abdul Wali Khan University, Mardan



*Dr. Nasar Ahmed*

Assistant Professor, Department of Physics, University of Azad Jammu and Kashmir, Muzaffarabad



*Dr. Zafer Hussain Ibupoto*

Associate Professor, Dr. M.A Kazi Institute of Chemistry, University of Sindh, Jamshoro



*Dr. Hafiz M. Asif Javed*

Assistant Professor Department of Physics, University of Agriculture Faisalabad



*Dr. Khalid Mahmood Ur Rehman Khattak*

Assistant Professor Ghazi University D.G Khan.



*Dr. Abdul Ghafar*

Associate Professor, Department of Physics, University of Agriculture Faisalabad



*Dr. Mujtaba Ul Hassan*

Associate Professor PIEAS University Islamabad



*Dr. Malik Saadullah*

Assistant Professor Pharmaceutical Chemistry, GC University Faisalabad



*Dr. Rizwan Raza*

Associate Professor, Department of Physics, COMSATS University Islamabad, Lahore Campus



*Dr. Waqar Mahmood*

Assistant Professor, Fatimah Jinnah Women University, Rawalpindi



*Dr. Ghazanfar Abbas*

Associate Professor, Department of Physics, COMSATS University Islamabad, Lahore Campus



*Dr. Malaika Rani*

Chairperson/Associate Professor, Department of Physics, The Women University, Multan



*Dr. Azhar Rasul*

Assistant Professor, Department of Zoology, GC University Faisalabad



*Dr. M. Waqas Iqbal*

Associate Professor, Department of Physics, Riphah International University Lahore



*Dr. Seemab Iqbal*

Assistant Professor, GC Women University Faisalabad



*Dr. Hafiz Tariq Masood*

HOD/Assistant Professor, Department of Physics, University of Sahiwal





**Dr. Ghulam Murtaza**

Associate Professor,  
Centre for Advanced  
Studies in Physics,  
GC University Lahore



**Dr. Manzoor Ahmed**

Assistant Professor,  
Department of Physics,  
International Islamic  
University, Islamabad



**Dr. Bilal Tahir**

Director Institute of Physics,  
KFUEIT,  
Rahim Yar Khan

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Rector COMSATS University  
Islamabad

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Dean Faculty of Sciences,  
COMSATS University Islamabad

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**Prof. Dr. Aurangzeb Khan**

Vice Chancellor  
University of Lakki Marwat

### Co-Patron



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Chairperson, Department of Physics,  
COMSATS University Islamabad

### Conference Chair



**Prof. Dr. Syed Asad Hussain**

Director, Lahore Campus,  
COMSATS University Islamabad

### National Advisor



**Prof. Dr. Muhammad Asif**

HOD, Department of Physics,  
COMSATS University Islamabad,  
Lahore Campus

### International Advisor



**Dr. Muhammad Atif**

Associate Professor  
King Saud University of Saudi Arabia

### Chief Organizer



**Dr. Akbar Ali**

Assistant Professor,  
Department of Physics,  
COMSATS University  
Islamabad, Lahore Campus

### Co-Organizer



**Dr. Rajwali Khan**

Associate Dean/Director ORIC  
University of Lakki Marwat

### Co-Organizer



**Dr. Khalil Ahmad**

Lecturer,  
Department of Physics Virtual  
University of Pakistan

### Conference Secretary



**Dr. Fakhar E Alam**

Associate Professor, Physics  
Department, GC University  
Faisalabad

### Principal of Graphic Designer



**Mr. M. Zulqarnain**

GC University Faisalabad.

### Principal of Web Designer



**Dr. Khuram Saleem Alimgeer**

Associate Professor,  
COMSATS University, Islamabad

## Organizing Committee of COMSATS Lahore

Dr. Rizwan Raza (Associate Professor)  
Dr. Kashif Tufail (Associate Professor)  
Dr. Ghazanfar Abbas (Associate Professor)  
Dr. Muhammad Idrees (Associate Professor)  
Dr. Muhammad Jamil (Associate Professor)  
Dr. Saif Ur Rehman (Associate Professor)  
Dr. Abdul Sattar (Associate Professor)  
Dr. Muhammad Hammad Aziz (Associate Professor)  
Dr. Salman Naeem Khan (Associate Professor)  
Dr. Amir Razaq (Associate Professor)  
Dr. Muhammad Yasir Rafique (Assistant Professor)  
Dr. Muhammad Junaid Amjad (Assistant Professor)  
Dr. Muhammad Ajmal Khan (Assistant Professor)  
Dr. Mukhtar Ahmad (Assistant Professor)  
Dr. Shahzada Qamar Hussain (Assistant Professor)  
Dr. Amina Mir (Assistant Professor)  
Dr. Sadeq Akhtar Ehsan (Assistant Professor)

## Research Areas

Condensed Matter Physics  
Plasma Physics  
Bio-Medical Physics  
Computational Physics  
Space Science  
Quantum Physics  
Optics/Laser Physics  
Medical Physics  
Renewable Energy  
Materials Science  
Particle Physics  
Medical Imaging  
Semiconductors & Nanotechnology

### Note

Only selected paper will be published  
in following international peer review  
journals.

Micro-Machine  
Journal of Saudi Chemical Society  
Journal of thermal Physics  
Journal of Nano scope

## Organizing Committee of GCUF

Prof. Dr. Nasir Amin (Chairman/Incharge Physical Sciences)

Prof. Dr. Muhammad Sharif (Professor)

Dr. M. Fakhar-e-Alam (Associate Professor)

Dr. Tariq Munir (Associate Professor)

Dr Kashif Ismail (Assistant Professor)

Dr. M. Imran (Assistant Professor)

Dr. Amir Shahzad (Associate Professor)

Dr. Amjad Sohail Shah (Assistant Professor)

Dr Taqmeem Hussain (Assistant Professor)

Dr. M. Zeeshan Yaqoob (Lecturer)

Dr Azhar Rasool (Assistant Professor)

Dr Malik Saad Ullah Khan (Assistant Professor)

Dr. Ghulam Hussain (Associate Professor)

## Organizing Committee University of Lakki Marwat

Dr. Rajwali Khan (Associate Dean for ORIC)

Dr. Nasir Rahman (Assistant professor)

Dr. Mohammad Sohail (Assistant professor)

Dr. Abid Ali Khan (Assistant professor)

Dr. Asad Ullah (Assistant professor)

Dr. Akhtar Iqbal (Assistant professor)

Dr. Zahir Shah (Assistant professor)

Dr. Anwar Iqbal (Assistant professor)

Dr. Kifayat Ullah (Assistant Professor)

## Registration Fee

### Registration Fee for faculty (Speaker/Participant):

With Boarding 5000/Rs

Without Boading 3000/Rs

### Registration Fee for Students (Speaker/Participant):

With Boarding 3000/Rs

Without Boading 2000/Rs

## Important Dates

### Last Date Registration:

20 February, 2023

### Last Date of Abstract Submission:

05 February, 2023

### Notification of Acceptance/ Rejection:

15 February, 2023

### Conference Dates

27 - 28 February, 2023

## Registration Link

<https://forms.gle/RWCBieTMmZF6WuUf6>

## For More Information

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## Accounts Details

Bank of Punjab Account

Fakhar e Alam

6010123023200012

PK70BPUN6010123023200012

Meezan Bank Account

Akbar Ali

0224 0103190209

PK46 MEZN 0002 2401 0319 0209