



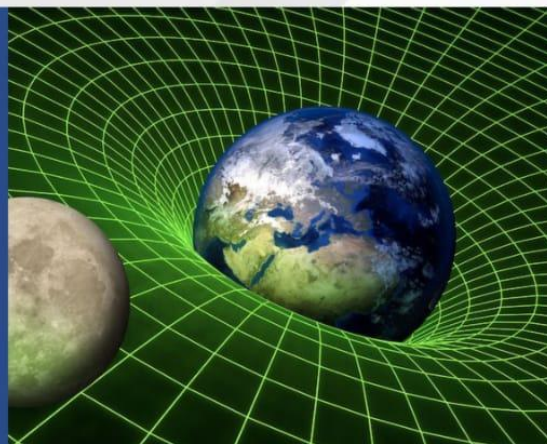
# UMT



## International Symposium on Extended Theory of Gravity and Stellar Evolution

**Date:** May 20, 2024

**Time:** 9:30 am - 3:30 pm



Extended theories of gravity typically aim to address shortcomings or limitations of General Relativity, such as the need for dark matter and dark energy to explain certain astronomical observations. These theories often propose modifications to gravity at large scales or in extreme conditions, such as those found in the vicinity of black holes or during the early universe. Stellar evolution, on the other hand, deals with the life cycles of stars, from their formation in stellar nurseries to their eventual demise as white dwarfs, neutron stars, or black holes. Understanding how stars evolve and the factors that influence their evolution is crucial for the dynamics of galaxies and the universe as a whole.

The symposium focusing on the intersection of two fields would likely cover a wide range of topics, including:

- Alternative Theories of Gravity
- Astrophysics and Cosmology
- Stellar Evolution
- Galaxy Cluster
- Dark Matter and Dark Energy

### For registration and queries, contact

Dr. Syed Ali Mardan Azmi at [ali.azmi@umt.edu.pk](mailto:ali.azmi@umt.edu.pk)  
+923217225203.

**Registration Deadline:** 15 th May 2024

**Registration Confirmation:** 16 th May 2024

**Registration link:** <https://docs.google.com/forms/d/e/1FAIpQLSdpNDW4ux70UKp1LY2wWgtGKBX-f1FiRxlXBovZE-l9FQ3Hbw/viewform?vc=0&w=1&flr=0>

Department of Mathematics, School of Science  
University of Management and Technology (UMT)-Lahore

### Chief Organizer:

**Prof Dr Sammia Shahid**  
Dean, School of Science, UMT

### Principal Organizers:

**Dr Muhammad Javaid**, Chairman, Department of Mathematics, School of Science, UMT, Lahore.

**Dr Rubab Manzoor**, Department of Mathematics, School of Science, UMT, Lahore

**Dr Saadia Mumtaz**  
University of the Punjab, Lahore

### Convener:

**Dr Syed Ali Mardan Azmi**, UMT, Lahore.

### Keynote Speakers:

**Prof Dr Muhammad Sharif**  
University of Lahore Pakistan

**Prof Dr Ahmedov Bobomurat**, Ulugh Beg Astronomical Institute (AI) Uzbekistan.

**Prof Dr Bamba Kazuharu**  
Fukushima University, Japan

### Invited Speakers:

**Dr Muhammad Zubair**, COMSATS University Islamabad, Lahore Campus, Pakistan

**Dr Zeeshan Yousaf**, University of the Punjab, Lahore, Quaid-i-Azam Campus, Lahore Pakistan

**Dr Sehrish Iftikhar**, Lahore College for Women University, Lahore, Pakistan

**Dr Ifra Noureen**, Government College for Women University, Faisalabad, Pakistan.

### Organizing Committee:

**Ms Sana Saleem**, UMT, Lahore.

**Muhammad Awaiz** (PhD student) UMT, Lahore.

**Wasee Shahid**, (PhD student) UMT Lahore.

**Ms Aneesa Zulfiqar**, (Ms student) UMT, Lahore.

**Venue:** Saleem Asghar Ali Hall, UMT.

## Event Glimpses



**For More Details:**

- <https://events.umt.edu.pk/EventDetails.aspx?EID=8995>