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National Organizing Committee

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International Conference on Mitigation and Adaptation for Climate Change Focus on Agriculture and Food Security

2023

Forman Christian College University (FCCU)
Lahore, Pakistan
Organized by KAM-School of Life Sciences, FCCU

February 6-9

Conference Themes

- 1 Conservation Agriculture**
Minimum tillage, Short duration varieties, Crop rotation
- 2 Water Conservation**
Efficient use of Water
- 3 Stress Tolerance**
Flood, drought, salinity, temperature
- 4 Bio-fortification**
- 5 Livestock in Agriculture**
Selective breeding, Animal genomics & adaptation for climate change
- 6 Plant and Microbial Interactions for Climate Change**
- 7 Disease Resistance**
Viral, Bacterial, Insect-Pest
- 8 Low Cost Production**
Use of Bio-fertilizers and Bio-pesticides, Packaging and Preservation
- 9 e-Agriculture**
Agro-meteorological & Agro-climatological Services

Concept Note

The climatic crisis around the globe has been an increasing and alarming threat to world's ecology. Pakistan's multilayered climate concerns include erratic rainfalls, receding of glaciers, abrupt floods, reduced hydropower generation during drought years, a decrease in the capacity of water reservoirs and an increase in food insecurity. According to the German watch's Global Climate Risk Index Pakistan stands at the 8th position among the ten most vulnerable countries affected by catastrophes of climate change.

Natural disasters, economic instability, and militancy have challenged food security in Pakistan over the years, despite significant increases in staple crop yields. Pakistan ranks 78th out of 113 countries in the Global Food Security Index, with more than half of the population (60%) experiencing food insecurity. These conditions have amplified in the aftermath of the disastrous floods this year where 30 million people are left with no food. The floods damaged standing crops including cotton, maize, sugarcane, oil seeds and seasonal pulses spreading over million of hectares of land, this will eventually make food insecurity conditions worsened in the country.

Agriculture in Pakistan is significantly affected by short-term climate variability and longer-term climate change. Periods of severe droughts, followed by devastating floods are common in the country and have contributed to low crop yields, loss of livestock, damage to irrigation infrastructure and food shortages. Projections indicate an increase in mean temperature of 1.4 – 3.7 degrees Celsius by 2060 in Pakistan which is higher than the expected Global average. This will likely speed up crop growth cycles and shorten the time between sowing and harvesting, affecting crop yields. According to the Climate change Index, droughts will increase in winter affecting the yield of cash harvests. Meanwhile, increase in precipitation in the summer season may cause floods throughout different areas of Pakistan. This is high time that Pakistan adopts Climate smart Agricultural technologies.

Registration

Registration Fee:
Students/Researchers: RS.3000
Faculty: RS.5000
International Participants: USD.500
Conference registration fee includes:
Admission to all sessions
Admission to poster exhibition
Conference Kit, Abstract Book
Certificate of Participation
Daily Refreshments
City tour

Accommodation

Accommodation for International Participants is included in conference registration fee. Accommodation for local participants from outside Lahore can be arranged on request with additional charges.

Abstract Submission

Abstract format:
Title
Mode of Presentation (Oral or Poster)
Maximum 200 words
Deadline:
December 31, 2022
Submit at:
macc2023@fccollege.edu.pk

Venue

The Conference will be held at the beautiful campus of the Forman Christian College University (FCCU) Lahore, Pakistan, which is more than 160 years old institution. The University is located in the heart of Lahore, which is the cultural capital of Pakistan and 15 minutes driving distance from the main shopping center.



Forman Christian College University, Lahore



Armadillo Science Building FCCU

About Lahore

Lahore houses several historical places like Badshahi Mosque, Lahore Fort, Greater Iqbal Park and several food streets. The Walled City of Lahore was renovated in 2014 and the fort along with the Shalimar Gardens has been a UNESCO World Heritage Site since 1981.

The city is home to several ancient religious sites including prominent Hindu temples, the Krishna Temple and Valmiki Mandir. The Samadhi of Ranjit Singh, also located near the Walled City, houses the funerary urns of the Sikh ruler Maharaja Ranjit Singh. The most prominent religious building is the Badshahi Mosque, constructed in 1673; it was the largest mosque in the world upon construction. Another popular site is the Wazir Khan Mosque, known for its extensive faience tile work and constructed in 1635.

Post Conference tour of the city will be organized for the participants.

