



UNIVERSITY OF AGRICULTURE FAISALABAD - PAKISTAN

4<sup>th</sup> BRI Sino-Pakistan Agriculture FORUM

Sustainable Agriculture for Economic Prosperity & Food Security"

November 9-10, 2023

University of Agriculture, Faisalabad, Pakistan

Event Type: Hybrid (Physical and Online)



# Introduction

Agriculture is not only generating and promoting sustainable livelihoods, but also ensuring food and nutrition security, preserving natural resources and biodiversity, and promoting rural development. It is considered the backbone of Pakistan's economy, which relies heavily on its major crops. Pakistan's principal natural resources are arable land and water. Agriculture accounts for about 18.9% of Pakistan's GDP and employs about 42.3% of the labour force. The most important crops include wheat, sugarcane, cotton, and rice, which together account for nearly more than 75% of the value of total crop output.

Pakistan is bestowed with diverse agri-climatic zones, which are best suited for the cultivation of a vast range of agricultural and horticultural crops. However, like other developing countries, Pakistan is also facing challenges in the production and postharvest management of agricultural produce. China-Pakistan Economic Corridor (CPEC) being a strategic principal component of the Belt and Road Initiative (BRI) focuses on the Agriculture revolution, infrastructure development, and Socio-economic cooperation between China and Pakistan. The Belt and Road Initiative has a vast territory and rich agricultural resources, which are an important area for agricultural cooperation and trade, and in ensuring food security and agricultural product safety. This BRI initiative has created favourable conditions for agricultural cooperation in terms of trade and investment facilitation, monetary integration, and cooperation in the field of agricultural science and technology to share knowledge and improve the efficiency and quality of agricultural production to maintain regional food security.

China is the world's largest importer and second largest exporter of agricultural products. China's agricultural trade cooperation has a significant impact on global food security. The BRI is China's global strategic deployment, with the core concept of promoting sustainable development of the agricultural economy. Promoting the growth of agricultural trade between China and Pakistan will be an important direction to enhance food security and maintain the stability of the bilateral agricultural trade. So, it is of great practical significance to study the fluctuation factors of agricultural production and trade between China and Pakistan.

Research institutes in both countries have been carrying out cooperation in the field of agriculture and worked together to maintain regional food security. A series of Sino-Pakistan Agricultural Forums has been providing unique impetus for an international concerted effort to promote a balanced, equitable, and inclusive development along the Belt and Road. The 4th BRI Sino-Pakistan Agriculture Forum to be held on 9-10 November 2023 is part of the continuous efforts to keep sharing knowledge and pursue technological innovations.

## Participating Institutes/Universities from China

1. Huazhong Agricultural University, Wuhan, China
2. Chinese Academy of Agricultural Science, China
3. Shanghai Academy of Agricultural Sciences, Shanghai, China
4. Nanjing Agricultural University, Nanjing, China

## Participating Institutes/Universities from Pakistan

1. University of Agriculture, Faisalabad (UAF), Pakistan
2. National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan
3. MNS University of Agriculture, Multan, Pakistan
4. PMAS Arid Agriculture University, Rawalpindi, Pakistan
5. Government College University Faisalabad, Pakistan

## Advisory Committee

- § Dr. Iqrar Ahmad Khan (Sitara-e-Imtiaz, Ordre des Palmes Académiques), Professor/Vice Chancellor, UAF, Pakistan
- § Dr. Mukhtar Ahmed, Professor/Chairperson, Higher Education Commission, Islamabad, Pakistan
- § Dr. Li Zhaohu, Professor/President, Huazhong Agricultural University, Wuhan, China
- § Dr. Muhammad Sarwar Khan, Professor/Pro-Vice Chancellor/Dean, Faculty of Agriculture, UAF, Pakistan
- § Dr. Ghulam Muhammad Ali, Chairman, Pakistan Agricultural Research Council, Islamabad, Pakistan
- § Dr. Shahid Mahmood Baig (Sitara-e-Imtiaz), Professor/Chairman, Pakistan Science Foundation, Islamabad, Pakistan
- § Dr. Abid Mahmood, Chief Executive, Pakistan Agricultural Research Board, Lahore, Pakistan
- § Dr. Muhammad Naeem, Professor/Vice Chancellor, PMAS Arid Agriculture University, Rawalpindi, Pakistan
- § Dr. Asif Ali, Professor/Vice Chancellor, MNS University of Agriculture, Multan, Pakistan
- § Dr. Muhammad Akhter, Director General Agriculture (Research), Ayub Agricultural Research Institute, Faisalabad, Pakistan
- § Mr. Athar Hussain Khokhar, Chief Executive Officer, Pakistan Horticulture Development and Export Company (PHDEC), Islamabad, Pakistan
- § Dr. Zahid Mukhtar, Director, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan
- § Dr. Muhammad Jafar Jaskani, Professor/Director, Office of Research, Innovation and Commercialization, UAF, Pakistan
- § Dr. Ijaz Ahmad Bhatti, Professor/Executive Director, Endowment Fund Secretariat, UAF

## Organizing Committee

- § Dr. Muhammad Sarwar Khan, Professor/Pro-Vice Chancellor/Dean, Faculty of Agriculture, UAF, Pakistan (Convener)
- § Dr. Masood Sadiq Butt, Professor/Dean, Faculty of Food Nutrition and Home Sciences, UAF, Pakistan
- § Dr. Ijaz Ahmad Bhatti, Professor/Dean, Faculty of Sciences, UAF, Pakistan
- § Dr. Muhammad Qamar Bilal, Dean, Faculty of Animal Husbandry, UAF, Pakistan
- § Dr. Khalid Mushtaq, Professor/Dean, Faculty of Social Sciences, UAF, Pakistan
- § Dr. Farzana Rizvi, Professor/Dean, Faculty of Veterinary Sciences, UAF, Pakistan
- § Dr. Muhammad Azam Khan, Professor/Dean, Faculty of Agricultural Engineering and Technology, UAF, Pakistan
- § Dr. Muhammad Jafar Jaskani, Professor/Director, Office of Research, Innovation and Commercialization, UAF, Pakistan
- § Dr. Sultan Habib Ullah, Professor/Director, U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security, UAF, Pakistan
- § Dr. Muhammad Jalal Arif, Professor/Chairman, Department of Entomology, UAF, Pakistan
- § Dr. Ahmad Sattar Khan, Professor/Director, Institute of Horticultural Sciences (IHS), Faculty of Agriculture, UAF, Pakistan
- § Dr. Imran Pasha, Professor/Director General, National Institute of Food Science and Technology, UAF, Pakistan
- § Dr. Bushra Sadia, Director/Professor, Centre of Agricultural Biochemistry and Biotechnology (CABB), UAF, Pakistan
- § Dr. Asif Kamran, Professor/Chair, Agriculture Policy, U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security, UAF, Pakistan
- § Dr. Muhammad Sohail Sajid, Associate Professor, Department of Parasitology, Faculty of Veterinary Science, UAF, Pakistan
- § Dr. Shoaib Munir, Associate Professor, College of Horticulture and Forestry Sciences, Huazhong Agricultural University, Wuhan, China
- § Dr. Iftikhar Ahmad, Associate Professor, IHS, Faculty of Agriculture, UAF, Pakistan
- § Dr. Raheel Anwar, Associate Professor, IHS, Faculty of Agriculture, UAF, Pakistan
- § Dr. Muhammad Azam, Associate Professor, IHS, Faculty of Agriculture, UAF, Pakistan

## Session Tracks

- § Biotechnology and Functional Genomics in Agriculture
- § Animal Health and Disease Control
- § Sustainable Horticulture for Food Security
- § Plant protection and green control technologies
- § Advances in Food Science and Technology
- § Agriculture for Socio-Economic Development

## Guidelines for Abstract Submission

Abstracts should be composed in MS Word with Times New Roman font and 12 pt size in single-line spacing with a single paragraph. Abstract paragraphs must not exceed 300 words. It is mandatory to provide the complete postal and email addresses of each author of the abstract. The presenter among the authors must be indicated with an asterisk (\*). "Session Track" must also be mentioned at the bottom of the abstract. Abstracts can be submitted to the forum secretariat at the following link no later than September 4, 2023. Abstracts received after the deadline will not be acknowledged or included in the scientific programme.

[https://www.pshsciences.org/publications/spaf2023\\_abstract/](https://www.pshsciences.org/publications/spaf2023_abstract/)

## Important Deadlines

Abstract submission	September 04, 2023
Response to abstract submissions	September 18, 2023
Full-length paper submission	October 25, 2023

## Registration Information

Registration Category	Student	Regular
October 15, 2023, or before	PKR 1,000	PKR 2,000
October 16, 2023, until the event	PKR 1,500	PKR 3,000

Registration fee is WAIVED OFF for online participants presenting or participating from outside Pakistan.

### Registration Portal

[https://www.pshsciences.org/publications/spaf2023\\_registration/](https://www.pshsciences.org/publications/spaf2023_registration/)

## Host City: Faisalabad

Faisalabad is a city of textiles and hence is known as Manchester of Pakistan. It is situated South-West of the provincial capital of Punjab, Lahore, and well connected to the capital city of Pakistan, Islamabad. A number of universities and several agricultural research institutes are situated in Faisalabad. National airport is also situated in the city but the nearest international airports are Allama Iqbal International Airport, Lahore (LHE, 210 km), and Benazir Bhutto International Airport, Islamabad (ISB, 320 km) which are well connected to Faisalabad via a fast-track motorway allowing a speed of 110-120 km per hour. For more detail, please visit <http://faisalabad.gov.pk>.

## Climate

During November, the climate is pleasant with day and night temperatures of 20-25°C and 10-15°C, respectively. Comfortable clothes are preferred during this season. Local weather predictions can also be viewed at <http://www.accuweather.com>.

## Accommodation and Transport

Interested participants requiring accommodation are requested to inform in advance to the forum secretariat of necessary arrangements. Accommodation will be available near to forum venue. A limited number of rooms are available at the University Rest House Foreign Faculty Rest House. Depending upon the facilities, hotels in Faisalabad cost around PKR 5,000 to 30,000 per night for the economic to deluxe category. On a limited scale, free accommodation is also available in students' Hostels. Free transport facilities will be available for participants from the nearest airport to the forum venue or hotels.

## Electric System

The electricity output is 220 volts. It is suggested to always check your power supply before using the devices. Type 'C' and type 'D' electric outlet plugs are commonly used in Pakistan.

## Visa

International participants may need a visa on a valid passport before entering Pakistan. Please contact the forum secretariat to obtain an invitation letter for visa application purposes. Participants are also encouraged to contact Pakistan Embassy in their respective countries to get specific instructions on the visa application. For further information, please visit <http://www.pakistan.gov>.

## Currency Exchange

The local currency is Rupees (PKR/Rs.). Please visit the home page of the State Bank of Pakistan at "<http://www.sbp.org.pk>" for the current currency rate for your country.

## Forum Secretariat

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