

## International Advisory Committee

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- **Dr. Yao tuo**  
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University of California, Los Angeles, USA
- **Dr. Difuza Egamberdieva**  
ZALF, Munchen, Germany
- **Dr. Philippe Normand**  
University of Lyon, France
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Cairo University, Cairo, Egypt
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## National Organizing Committee

- **Dr. Kauser Abdulla Malik (Chair)** (Dean Post Graduate Studies, FCCU, Lahore)
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- **Dr. Iftikhar Ahmed (NARC)**
- **Dr. Mashkoor Mohsin (UAF, AvH Fellow)**
- **Dr. Manzoor H. Soomro (President ECOSF)**
- **Dr. Asghari Bano (University of WAH, AvH Fellow)**
- **Dr. Shahid Mansoor (Director, NIBGE)**
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- **Dr. Fauzia Yusuf (COMSAT)**
- **Dr. Iqbal Chaudary (ICCBS)**
- **Dr. Tariq Mahmood (NIAB, AvH Fellow)**
- **Dr. Muhammad Irfan ul Haq (Auriga)**
- **Dr. Zahoor Ahmed (FB Genetics)**

## Local Organizing Committee

- **Dr. James A. Tebbe, Rector, FCCU (Patron)**
- **Dr. Kauser Abdulla Malik (AvH Fellow)**
- **Dr. Hamid Saeed**
- **Dr. Aftab Bashir**
- **Dr. Zakia Latif (MMG, PU)**
- **Dr. Anjum Nasim (MMG, PU)**
- **Dr. Quratulain Asad (PCSIR)**
- **Dr. Ambreen Ahmad (Botany, PU)**
- **Ms. Izzah Shahid**
- **Prof. Joseph Sun, Vice Rector, FCCU**
- **Dr. Dildar Ahmed**
- **Dr. Rehan Siddiqui ( DAAD Fellow)**
- **Dr. Wajahat Hussain**
- **Dr. Bilal Sadiq**
- **Dr. Deebe Noreen Baig**
- **Dr. Salma Mukhtar**
- **Mr. Muhammad Adeel**
- **Ms. Maryam Zareen**

## Focal Person

**Prof. Dr. Samina Mehnaz**  
(AvH Fellow, Humboldt Ambassador Scientist)  
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## International Conference on

# Microbes for Sustainable Agriculture

## An Exploration into the Interactive World of Microbes and Plants

**2019**

**March 25-28**

**FORMAN CHRISTIAN COLLEGE**  
(A CHARTERED UNIVERSITY)  
Lahore, Pakistan



## Workshop Themes

- **Plant Microbiome**
- **Microbiome in Agriculture - New Frontier**
  - Plant-Microbe Interactions
- **Microbe-Microbe Interactions**
  - Soil-Microbe Interactions
- **Microbes and Plant Diseases**
- **Microbial Metabolites and Plant Growth**
  - Microbial Formulations
- **Plants, Microbes and Extreme Environment**
  - Application of Microbes in Agriculture



## Important Dates

**Last date of abstract submission:**  
January 31<sup>st</sup>, 2019

**Registration Fee**  
Students/ Researchers (Rs.3000)  
Faculty (Rs. 5000)  
Foreigners (US \$500)

**For information and abstract submission:**  
[msa19@fccollege.edu.pk](mailto:msa19@fccollege.edu.pk)

IN COLLABORATION WITH

**ECOSF, PSF, HEC, PARB & AvH**



Alexander von Humboldt  
Stiftung/Foundation





## Overview

According to FAO, the world population will be nearly 9 billion by 2050. Such an increase needs commensurate agricultural production to feed the global population. In view of increasing urbanization and decrease in arable land, vertical increase in crop productivity is required by using all possible technologies related to sustainable agriculture. It is in this context that use of microorganisms in agriculture has become of prime importance. Role of microorganism in nutrient mobilization for crops has an immense potential starting from biological nitrogen fixation to plant growth promoting rhizobacteria. In addition, microbes have been used as bio-pesticides and for control of soil borne pathogens.

In recent years there has been enormous growth in the understanding of soil microbial ecology elucidating various interactions between plants and microbes & between microbes. Using metagenomic approaches it has been demonstrated that plants harbor a wide variety of microbes whose function is still not very clear. However, deciphering the various types of interactions between plants and their microbiome is a hot topic of research in plant science and agronomy.

This conference aims to bring together international and national experts to review the status of soil microbial ecology and its impact on Sustainable Agriculture.



## Registration

The registration fee includes copy of conference program, copy of abstracts, daily refreshments, conference banquet, cultural evening and free transportation from airport to the hotel and from hotel to venue of conference.

On site registration is also possible, but accommodation will not be guaranteed. Conference information will be updated regularly on the website:

<http://www.fccollege.edu.pk/msa19/>

## Venue

The Conference will be held at the beautiful campus of the Forman Christian College University Lahore, Pakistan, which is more than 150 years old institution. The University is located in the heart of the city of Lahore, which is the cultural capital of Pakistan and 15 minutes driving distance from the main shopping center. Lahore houses several historical places like Badshahi Mosque, Shahi Fort, Greater Iqbal Park and several food streets. Post conference tour of the city will be organized on request.

