University of Karachi

One of the largest Public sector universities in Pakistan with about 25,000 regular and 150,000 external students. There are over 52 departments and 19 research institutes/ centers.

Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization

The Institute of Sustainable Halophyte Utilization (ISHU) was established in 2006 due to the efforts of Prof. Dr. Muhammad Ajmal Khan. The aim is to explore the potential of halophytes for the benefit of mankind through a comprehensive approach using eco-physiological studies supported by biochemical and molecular tools. ISHU has state-of-the-art facilities for research in laboratories, green house and natural field conditions.

Local Organizing committee

Prof. Dr. Bilquees Gul
(Convener)

Members

Dr. Salman Gulzar
Dr. Irfan Aziz
Dr. Muhammad Zaheer Ahmed
Dr. Abdul Hameed
Dr. Zainul Abideen
Dr. Tabassum Hussain
Dr. Muhammad Qasim
Dr. Aysha Rasheed
Dr. Sarwat Ghulam Rasool

Advisory Committee

Prof. Dr. Hans Werner Koyro (Germany)
Dr. Miguel Clüsener-Godt (UNESCO-France)
Dr. Benno Böer (UNESCO-Thailand)
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Prof. Dr. Hassan El Shaer (Egypt)
Prof. Dr. T. J. Flowers (UK)
Prof. Dr. B. Huchzermeyer (Germany)
Prof. Dr. Weiqiang Li (Japan)
Prof. Dr. Sergey Shabala (Australia/China)
Prof. Dr. Yoshiharu Fujii (Japan)
Prof. Dr. Maria Virginia Luna (Argentina)

For Information

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International Virtual Conference
on

Ecophysiology & Sustainable Use of Cash Crop Halophytes: A Tribute to Dr. Muhammad Ajmal Khan

6 – 8 April, 2021

organized by

Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization University of Karachi

Plant Ecophysiology

Plant systems, both natural and managed, face a wide range of environmental challenges, which are expected to become more intense as a result of global climate change. Ecophysiological techniques have greatly advanced understanding of photosynthesis, respiration, water relations, and plant responses to abiotic and biotic stresses, from instantaneous to evolutionary timescales. Advancing ecophysiological understanding and approaches to enhance plant responses to new environmental conditions is critical to developing meaningful high-throughput phenotyping tools and maintaining humankind's supply of goods and services as global climate change intensifies

Sustainable utilization of Halophytes

Halophytes are naturally salt tolerant plants with several economic utilities and could be cultivated as food, fodder/forage, fuel and medicinal crops on saline lands with the help of salty water irrigation. Several potential crops among local halophytes have been identified and reported by ISHU, University of Karachi.

This Conference aims to bring together leading academic scientists, researchers, UN organizations, public and private, national and international organizations, industries and policy makers to exchange and share their experiences and ideas about all aspects of sustainable use of halophytes and discuss the practical challenges encountered and solutions adopted in this field.

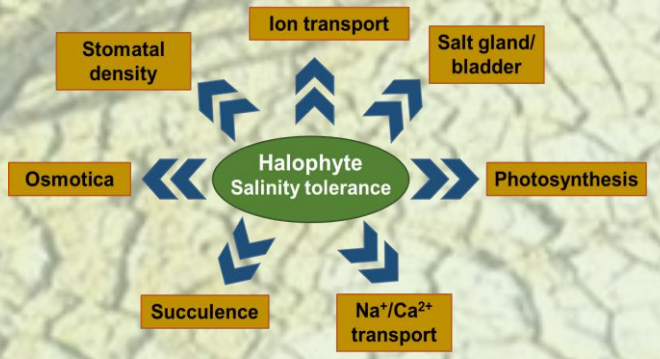
Saline Land + Salty Water + Halophytes = Productivity

Scope

The aim of this conference is to bring together leading experts in the field of plant ecophysiology and halophyte biology from all around the world and discuss the current state, ideas, experiences and future directions about the sustainable use of cash crop halophytes for the common benefit of humanity. The latest information on plant ecophysiology, promising sustainable technologies and role of halophytes to combat global challenges with special insights into development of salt resistance fodder/ forage crops, energy feedstocks and other industrial products will also be discussed

Objectives

- To discuss the current advancement in ecophysiology and future prospective.
- To discuss in general the sustainable use of halophytes.
- To facilitate research to determine the efficacy of the ideas for halophytic green revolution.
- Bring together academia, stakeholders, government agencies, UN agencies, development banks and private sector to develop a collaborative program.



Who should attend

- **Academic and research institutions** (Plant Scientists/ early career researchers/ post-doctoral fellows/ MS/ PhD students)
- **Intergovernmental Organizations**
- **Government and Non-Government Organizations**
- **Public and Private R&D Organizations**
- **Industrial Sectors**

Conference content

Keynote addresses, plenary lectures, seminar sessions and poster presentations focusing on Sustainable development and Halophytes for the green revolution.

How to register

The registration is mandatory and will be on first come first serve basis. Intended participants must have to send following information to the convener via email on/before April 3rd 2021:

Name: _____

Email: _____

Designation: _____

Affiliation/Address: _____

Registration fee:

Students : 1000 PRs only

Faculty : 2000 PRs only