



Seminar ***on***

Physiological and Molecular Interventions on Sustainable Crop Productivity under Changing Climatic Conditions

17th January (Tuesday), 2012

Venue

**Directorate of Medicinal and Aromatic Plants Research
Boriavi, Anand, Gujarat**

Organised

by

Indian Society for Plant Physiology

&

Medicinal & Aromatic Plants Association of India

Introduction

During the last fifty years significant progress has been made in the field of Plant Physiology, both in India and worldwide. A lot has been elucidated about the physiological functions of the plant species. Significant research achievements, particularly in the area of abiotic stress tolerance, such as heat, drought, source-sink relationship, nutrient use efficiency, development of efficient regeneration protocols for different crops and basic as well as applied aspects of post harvest physiology have been made. However, much work still needs to be done to understand the physiological mechanisms underlying these processes at molecular levels also. Moreover, climate change with rising atmospheric CO₂ and other green house gases also pose a new challenge which needs to be understood and explained in relation to adaptation of several crop species.

Therefore, in the light of above mentioned facts it is decided to organize a seminar on Physiological and Molecular Interventions on Sustainable Crop Productivity under Changing Climatic Conditions at the Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand, Gujarat in collaboration with Medicinal and Aromatic Plants Association of India (MAPAI) and Indian Society of Plant Physiology (ISPP) on 17th January 2011. The seminar is going to deliver the best through oral and poster presentations.

The Directorate of Medicinal and Aromatic Plants Research (DMAPR), Boriavi, Anand, Gujarat is a prestigious institute under the ICAR established in 1992 and has developed to a height where it could be able to give best with regard to research in Medicinal and Aromatic Plants. The Medicinal and Aromatic Plants Association of India (MAPAI) is a registered Society established in 2008 and housed at the DMAPR. The main aims and objectives of the society are to provide a forum for the exchange and dissemination of research information and experiences related to medicinal and aromatic plants and to publish an open access peer-reviewed scientific journal of medicinal and aromatic plants.

The genesis of Indian Society for Plant Physiology (ISPP) started in August 1957 during the annual session of the Indian Science Congress and with constant and sincere efforts has come up as per expectations with its registration under Societies Registration Act in the year 1958. The main objective of the society is to provide opportunities for personal contact and fellowship between workers interested in the field of Plant Physiology. The society also publishes Indian Journal of Plant Physiology

and holds symposia and meetings relating to Plant Physiology and allied interest and also organize activities as may be necessary to realize the aims and objectives of the society.

The seminar will address the issues of Plant Stress Physiology and molecular aspects in Perspectives of Agri-Horticulture and Climate Change. The seminar shall be focusing on primarily to increase productivity of agricultural and horticultural crops under abiotic and biotic stresses, physiological, molecular and biotechnological approaches for crop productivity enhancement under multi adversity environmental conditions. Therefore, it will contribute a lot for sustainable crop development for which balanced approaches for utilizing different eco-technological knowledge and recent innovative techniques will be of importance.

Themes

- Physiological and molecular basis of plant productivity: Photosynthesis, Mineral nutrients, water relations, plant growth regulators,
- Abiotic stress: its physiological and molecular approaches to lessen the loss in productivity,
- Natural resource management and sustainable agriculture in relation to global climate change,
- Physiology of flowering and seed development
- Post harvest physiology of fruits, flowers, vegetables and medicinal and aromatic plants.

Technical Programmes

Session I: Physiological and molecular basis of plant productivity: Photosynthesis, Mineral nutrients, water relations, plant growth regulators.

Session II: Abiotic stress: its physiological and molecular approaches to lessen the loss in productivity.

Session III: Natural resource management and sustainable agriculture in relation to global climate change,

Session IV Physiology of flowering and seed development and Post harvest physiology of fruits, flowers, vegetables and medicinal and aromatic plants.

Chief Patron

Dr. A. M Shekh
Vice Chancellor

Anand Agricultural University, Anand, Gujarat

Patrons

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Director, DMAPR

Dr. Umesh Srivastava
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Dr.R.K. Sairam
Hon. Secretary, ISPP, New Delhi

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Organizing Secretariat

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&

Dr. A. D. Patel

Co-Organising Secretary

Vegetable Research Station, AAU, Anand, Email: arvind_mvrs@yahoo.c.in, (M) 09879000609,

Treasurer: Dr. G. R. Smitha, DMAPR

Scientific programme:

Lead Lectures

During the one day seminar, lead lectures from the eminent scientists working on different thematic areas of plant physiology and molecular biology will be delivered.

Oral/Poster Presentations

Abstracts are invited from researchers working on the thematic area of the seminar which would be peer-reviewed and selected for oral/poster presentation. The abstract should be prepared in MS word (font size:12, double spaced and Times New Roman) not exceeding 400 words. It should have concise title, author's name and affiliation, contact details (phone, mobile, email) of the corresponding author. Name of the author presenting the oral/poster should be underlined. Size of the poster panel will be 100 x 90 cm.

Award

Best Poster Presentation Award

Registration:

The interested participants are requested to register themselves for participation in the seminar well in time (on or before December 15, 2011). The registration fee should be paid as demand draft drawn in favour of "Medicinal & Aromatic Plants Association of India" payable at AXIS Bank, Anand.

Registration fees

All delegates : Rs. 500.00 Student participants: Rs. 250.00

Dates to Remember

Submission of abstracts: December 15, 2011, Submission of registration fee: December 15, 2011

Location and Climate

Anand is known as a Milk Capital of India and well known for Amul dairy and centre for white revolution. It is located between Vadodara and Ahmedabad and also the home of National Dairy Development Board, Anand Agricultural University, Institute of Rural Management and SP University. The weather during Janaury will be pleasant (temperature ranges from 20 to 28 °C). You will have to bring a full sweater.

How to Reach

By Air: The nearest Domestic Airport is at Sayaji Rao Gekwad Airport, Vadodara and at Ahmedabad and Sardar Vallabh Bhai Patel International Airport at Ahmedabad. **By Rail:** Anand is well connected to other cities of the country by rail and is situated 36 km from Vadodara and 70 km from Ahmedabad. **By Road:** Anand is also well connected to other cities of the country by road and is 346 km from Vadodara (near to railway station) and 70 km from Ahmedabad. The Express Highway between Vadodara and Ahmedabad via Anand has further reduced the time to be taken in travelling to Anand.

Local transport facilities

Bus, taxi and auto are available throughout the Anand city to reach the venue, however, charge varies according to distance.

Accommodation

Accommodation will be arranged on payment for the participating delegates in hotels and guest houses at Anand. The delegates will have to send one day accommodation charge in advance either for hotel or guest house along with registration fee. The hotel/guest house accommodation tariff will vary from Rs. 800/200 per person.

Important Local Committees

Technical Committee

Chairman : Dr. Vipin Chaudhary

Members: Ms. Ruchi Bansal
Ms. Vanita N Salunke
Ms. Sonal Shah

Registration Committee

Chairman: Dr. K. A. Geetha

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Ms. Aarti Kawane

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Members: Dr. G. R. Smitha
Dr. Raghuraj Singh
Mr. Shankar Patel
Ms. Anjali Sharma

Publicity and Photography Committee

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Member: Dr. Nagaraja Reddy



A back-to-back State level seminar on "SUSTAINABLE COLLECTION AND PROFITABLE CULTIVATION OF AROMATIC AND MEDICINAL PLANTS IN GUJARAT" will be held on

18th January (Wednesday), 2012

at Directorate of Medicinal & Aromatic Plants Research, Boriavi, Anand, Gujarat.

Please register separately

and send abstract through DMAPR website (www.dmapr.org.in) on or before 15th December.

Contact Dr. R. S. Jat, Organizing Secretary, Ph: 09904332413, Email: rsdevgudha@yahoo.co.in.

