

Innovative and Modern Technologies for Agricultural Productivity, Food Security and Environmental Management

22-23 July 2011



Venue



GHS Road, Hampankatta
Mangalore 575001, Karnataka

Organized by

Society for Applied
Biotechnology | www.sabt.org.in

About the Symposium

In recent years, there has been growing interest in applying modern technologies to create effective safeguards for humans and the environment, as they relate to modern agriculture, food production and sustainable ecosystem management. The initial successes in modern biology and its impact on food security, agricultural productivity and environmental management, have led to organisms that improve food quality, clean up oil spills and heavy metals in fragile ecosystems, tissue culture plants that are increasing crop yields, development of improved genotypes for all living species through modern approaches for the conservation, characterization and preservation of biodiversity. However, it is crucial to harness the benefits of these modern technologies in sustainable manner for the well being of today's hungry people and future generations.

The advancement in science and technology has helped to revolutionize agriculture in the 20th century throughout the world. Access to adequate food for all, is a matter of huge public interest and modern technologies can produce high quality, safe and affordable food in a sustainable manner. Understanding and directing the potential impact of such technologies on urgent issues that we face concerned with the environment, health, world hunger, genetic engineering and welfare of all species for a growing population is essential. While considerable progress has been made in the past, food security, malnutrition and sustainable use of natural resources remain major problems in India. In general, poverty and low agricultural productivity usually leads to environmental degradation.

It is very essential to realize the promise of modern technologies while avoiding the pitfalls. In view of the potential benefits of modern technologies for increasing food supply and agricultural productivity, efforts should be made to ensure that developing countries like India, in general, and resource poor farmers, in particular, benefit more from modern research, while continuing to have access to a diversity of genetic resources. The present symposium will have special focus on demonstrating modern technologies and their applications for food, agriculture, environment and the major themes are as follows:

- ✓ Modern perspectives on innovative technologies - approaches, challenges and opportunities
- ✓ application of biotechnology and nanotechnology to increase agricultural productivity
- ✓ sustainable and eco-friendly approaches for agricultural productivity
- ✓ environmental management of degraded ecosystems and reclamation of polluted soils
- ✓ biodegradation and bioaccumulation of oils, heavy metals and other toxic pollutants
- ✓ identification, characterization and preservation of biodiversity through modern techniques
- ✓ food safety, food security and poverty alleviation
- ✓ Impacts of global warming and climate change on agriculture and environment
- ✓ impact of genetically modified organisms and other biotechnology products

Symposium Organizing Committee

Convener

Prof. D.P. Biradar

University of Agricultural Sciences, Dharwad, Karnataka

Organizing Secretary

Dr. D. Thangadurai

Karnatak University, Dharwad, Karnataka

Treasurer

Dr. J. Sangeetha

Society for Applied Biotechnology, Krishnagiri, Tamil Nadu

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Dr. Vishal R. Kamble

Bhavan's College, Mumbai, Maharashtra

Dr. Vikas Sharma

Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, Jammu & Kashmir

Society for Applied Biotechnology

The society with its registered office at Krishnagiri in Tamil Nadu was established with the vision to promote and propagate the use of biotechnology, to collect and disseminate the biotechnology information, to publish books and journals for research, development and furtherance of biotechnology and to conduct conferences, seminars, symposia and workshops for the biotechnology community.

The society regularly admits fellow, life and ordinary members and also regularly publishing two international journals, (1) *Biotechnology, Bioinformatics and Bioengineering*, (2) *Acta Biologica Indica*. For further details, visit www.sabt.org.in

Call for Abstracts

Abstracts are invited from researchers, academicians, consultants and students for oral and poster presentation. The abstract (250 words; Times New Roman; 10.5 pt) can be sent preferably by email to drtsangeetha@gmail.com / sangeetha@sabt.org.in and the full manuscript (optional) of the same will be considered for publication in the journal, *Acta Biologica Indica*.

Best Paper and Best Poster Awards

A number of best papers (3), best paper presentations (6) and best posters (3) will be selected and awarded with Citation and Medal at the symposium.

FSAB and SAB Merit Awards

The Society for Applied Biotechnology also invites applications from individuals and SAB members for the award of *Fellow of Society for Applied Biotechnology (FSAB)* as well as for the following awards:

- SAB Young Investigator Award
- SAB Young Innovator Award
- SAB Young Scientist Award
- SAB Talent Award
- SAB Women Scientist Award
- Cullan Devarajan Memorial Award
- SAB Award of Excellence in
 - (1) Sustainable Agriculture
 - (2) Sustainable Aquaculture

- (3) Food Safety and Food Security and
- (4) Environmental Management
- SAB Outstanding Achievement Award
- SAB Lifetime Achievement Award

For guidelines and instructions, submit your CV to thanga@sabt.org.in/drdthangadurai@gmail.com

Important Deadline

Submission of Abstract – 08th July 2011
Notification of Acceptance – 10th July 2011
Final Registration - 12th July 2011

Registration Fee

Faculty/Scientists: ₹ 1200/-
Research Scholars: ₹ 1000/-
Students: ₹ 800/-
SAB Life Members: ₹ 750/-

The registration fee must be paid by non-refundable Demand Draft (DD) in favor of 'Bioscience Publications' payable at Hubli (Karnataka) and send to Dr. D. Thangadurai, Department of Botany, Karnatak University, Dharwad, 580003, Karnataka.

This symposium is for 150 participants only and hence, no spot registration facility is available for the participants.

Accommodation and Site Tour

Accommodation will be arranged at nominal cost to the delegates in the Guest House and Hotels at Mangalore on payment basis. As well, considering the interest of delegates, transportation and other facilities can be arranged for site tour on 24th July 2011 on payment basis.

For further details, please contact

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National Symposium on

Innovative and Modern Technologies for Agricultural Productivity, Food Security and Environmental Management

22-23 July 2011

Registration form

Name:

Designation:

Address for Communication:

Phone/Mobile:

E-Mail:

Presentation: Oral/Poster

Accommodation Required: Yes/No

Interest in Site Tour: Yes/No

Registration Details

Category: Faculty/Scholar/Student/SAB Member
D.D. No.:
Bank Name and Branch:

Signature of the Candidate