



# INTERNATIONAL THEMATIC WORKSHOP

20<sup>th</sup> – 22<sup>nd</sup> October, 2009

## ADVANCES IN BIOINOCULANT/BIOPESTICIDE PRODUCTION, FORMULATION AND APPLICATION



### WORKSHOP COORDINATORS

#### FOR CORRESPONDENCE

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### KEY TOPICS

- ❖ Rhizosphere ecology
- ❖ Plant Response/Induced Systemic Resistance
- ❖ Effects on non target crops
- ❖ Formulation/adjuvants/pheromones
- ❖ Precision crop spraying/target sensing techniques
- ❖ Seed treatments/Priming
- ❖ Commercialization/Marketing/Quality assurance

#### Deadlines

Abstract Submission: **30<sup>th</sup> Aug 09**  
 Full Length Paper: **15<sup>th</sup> Sep 09**

#### VENUE

COMSTECH Auditorium, Islamabad.

**Note: Submission of full length paper is mandatory for participation**

## INTRODUCTION

Bioinoculant/Biopesticide is a blend of live, biological active bacteria belonging to various genera viz: *Pseudomonas*, *Bacillus*, *Azospirillum*, *Ochrobacterum*, *Serratia* and *Stenotrophomonas* which can provide nutrients to plants and can protect them against various diseases at cheaper cost when compared with chemical fertilizers and pesticides.

Biological pesticides based on non-pathogenic micro-organisms specific to their target pest offer an ecological and effective solution to pest problems. Such biopesticides are an alternative to chemical pesticides which continue to be used inappropriately, particularly in developing countries, threatening the environment and human health. However, despite the enormous potential of biopesticides as substitutes for chemical pesticides and for use in IPM programmes, their development, commercialization and use has not yet lived up to expectations.

The modern biotechnological approaches have provided a range of techniques to explore the potential of this tiny creature. New concepts, novel molecules and molecular mechanisms, more attention on genes encoding antifungal metabolites, microarrays analyses and functional genomics pervade the field of Biopesticide/Bioinoculant. Several new products based on these microbes have been released commercially.

COMSATS Institute for Information Technology (CIIT) is planning to hold an International thematic workshop to share the results and streamlining the future research on production and bioformulation of Biopesticide/Bioinoculant in collaboration with COMSTECH ([www.comstech.org](http://www.comstech.org))

## OBJECTIVES

This workshop on “Advances in Bioinoculant/Biopesticide production, formulation and application” is being organized to provide a platform for researchers from Universities, research Institutes of OIC countries to share their knowledge and develop collaborative research programs.

## SPEAKERS/PARTICIPANTS

Approximately 30 national participants are expected to attend thematic workshop. Amongst the invited speakers are OIC member countries. Well renowned scientists, **Dr. Faik Kantar (Atatürk University, Faculty of Agriculture, Department of Agronomy, 25240 Erzurum-TURKEY)**, **Dr. Abdul Sattar (Head Soil science Division, BINA Bangladesh)** and **Dr. Zakira Naureen (Director, A1 Group of Companies, U.A.E)** are the resource persons of this workshop. The program will include plenary lectures, open discussions and brief presentations by the participants. We will publish the proceedings and selected speakers/participants should must submit the full length review papers (maximum 4-6 pages for oral presentation and 2-4 pages for poster presentations) until **August 30, 2009**.

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### Application Form

Photo

Name: \_\_\_\_\_

Organization/Department: \_\_\_\_\_

Designation: \_\_\_\_\_

Area of Interest: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone: Off: \_\_\_\_\_

Res: \_\_\_\_\_ Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Institutional Recommendation: \_\_\_\_\_

**Note: Submission of full length paper is mandatory for participation**