



**International Workshop on**  
**“Microbial ecology international workshop 2015: *From cultivation to new molecular methods*”**

Jointly Organized by  
**ICAR-National Bureau of Agriculturally Important Microorganisms (ICAR-NBAIM), Mau, U.P. India**  
&

CNR - ISE Institute for Ecosystem Study and MICROB&CO, Italy

**Venue:**

**ICAR-NBAIM, Kushmaur, Mau, 275103, U.P., India**  
(June 29-July 3, 2015)

The ICAR-NBAIM, CNR - ISE Institute for Ecosystem Study and MICROB&CO, Italy will be conducting an international workshop at ICAR-NBAIM, Kushmaur, Mau. The aim of the workshop is to build capacity in key area of microbial ecology and its enormous potential for application in agriculture and other allied disciplines. Traditional methods of identification rely on phenotypic identification of the microbes using gram staining, cultural and biochemical methods. However, these methods of microbial identification suffer from two major drawbacks. First, they can be used only for organisms which can be cultivated *in vitro*, second, some strains/isolates exhibit unique biochemical characteristics that do not fit into patterns of any known genus and species. Sophisticated instrumental techniques for the analysis and characterization of microorganisms are becoming more common. Although these newer, often experimental approaches will not replace traditional methods involving cultures, microscopy, and so forth in the immediate future, their development and use will continue to grow. Microorganisms can be identified by analyzing the fatty acid profiles, DNA finger printing of some signature sequences etc. The training program will have the following theme areas to be addressed:

- Microbial ecology, current knowledge and future prospective
- Cultivation and identification of microorganisms
- Fingerprinting techniques for characterizing communities
- NGS technology to study microbial diversity.
- Bioinformatics-driven microbial identification system profiles of known organisms.

\*Participation is limited to 15 participants from India and 20 participants from foreign countries. having eligibility as given below:

Eligibility: Scientists/ Faculty members/researchers/Technical persons from the NARS system, conventional Universities and other institutions funded by CSIR/DST/DBT/ICMR or other private bodies.

Course fee: INR 10000.00 for Indian participants

For applicants from India, the details and application form can be downloaded from ICAR-NBAIM website: [www.nbaim.org.in](http://www.nbaim.org.in) and [www.mgrportal.org.in](http://www.mgrportal.org.in)

**Contact Person:**

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  2. Dr. Alok K. Srivastava, Senior Scientist & Co-coordinator, ICAR-NBAIM, Kushmaur, Mau Nath Bhanjan 275103, U.P.; Tel: +91-547-2530080; Fax: +91-547-2530358;
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\*Foreign applicants may visit [www.microbeco.org/iwme\\_india.html](http://www.microbeco.org/iwme_india.html) for application and details

**APPLICATION FORM FOR INTERNATIONAL WORKSHOP**

**Microbial ecology international workshop 2015: *From cultivation to new molecular methods***  
(June 29-July 3, 2015)

**Important Dates:**

Receipt of Application at ICAR-NBAIM : 15.05.2015  
Intimation to selected candidates : 25.05.2015  
Receipt of workshop / registration fee (Rs.10000/-) : 05.06.2015

**Name:** .....

**Affiliation:** .....

**Address:** .....

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**(Correspondence):**.....

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**Email:** .....

**Mobile/ Land line No.:** .....

**Date of Birth (dd/mm/yyyy):** ..... **Age:** ..... **Gender:** .....

**Educational qualifications and academic achievements (Highest qualification first):**

Degree	Subject	Year	University
Post Doc			
Ph. D.			
M. Sc.			

**Major Research Area:** .....

**Professional Experience: R&D Projects handled (Title/Funding agency), if any:**

- 01.
- 02.
- 03.

**Details of Previous Training/Workshop Attended:**

- 01.
- 02.
- 03.

**Research publications/patents (Give full citation and details of latest 5-8 publications):**

- 01.
- 02.
- 03.

**How this workshop/training would benefit your future research (maximum 200 words):**

**Declaration:**

I understand that in the event of any information being found to be false or incorrect at any stage, my candidature is liable to be cancelled / terminated. I will not attempt to influence authorities for selection of my candidature. If selected, I will make a payment of Rs.10000/- as course fee and confirm my participation within stipulated time.

Date:

Signature of Candidate

Forwarded through,  
(Head of Institution/ Head of the Department)

Signature & Seal:

Name:

Designation:

Address:

(Note: Additional sheet(s) may be used, if required)

**(Advance copy of duly filled-in application form may be sent by email to [nbaimicar@gmail.com](mailto:nbaimicar@gmail.com))**