

Hands on Training Programme on
“Agriculture Biotechnology – Microbial and biotechnological interventions for sustainable agriculture with special reference to biological weed management”

12-27 September, 2017

Sponsored by MP. Biotechnology Council, Bhopal - 462 011, M.P



Organized by
ICAR- Directorate of Weed Research
Maharajpur, Adhartal, Jabalpur- 482 004, M.P.

Course Director: Dr Bhumesh Kumar,
Course Coordinators: Dr Vijay Kumar Choudhary & Subhash Chander

Course contents

Theory: Introductory lecture on agriculture, important weeds and their biological characteristics, concept of agriculture/plant biotechnology, tools in biotechnology, applied aspects of biotechnology, herbicide tolerant genetically modified crops, utilization of weeds and microbes for crop improvement, use of microbes for bio-control of weeds, production of bio-herbicides, composting of weeds, microbial bioremediation, microbiological aspects of bio-fuel production etc.

Practical: DNA/RNA extraction, polymerase chain reaction, DNA electrophoresis, protein electrophoresis, gel documentation, isolation and characterization of microbes, microbial composting of weeds, bio-ethanol production from weeds, mass production and formulation of microbes for bio-control application, students seminar and interactions with peers, identification of important weeds, visit to centers of excellence in Jabalpur and field visits.

Eligibility and other conditions

- As per norms of MPBT Council, Bhopal, the PG students of Biotechnology, Microbiology and other relevant biological sciences of 2nd semester onwards, with a minimum of 55% marks in the preceding examination are eligible for being nominated. Preference will be given to the students of Biotechnology and Microbiology disciplines.
- Nominations should be forwarded by the Head of the Institution where the student is registered.
- Selected candidates will be charged Rs. 1000 /- as course fee, to be paid on the 1st day of training.
- The participants will be provided training kit, study materials, working lunch and refreshments. All other charges including travel and boarding/lodging shall be borne by the participants.
- Full attendance during the training period is compulsory and participants will be bound by code of conduct as laid down by ICAR-DWR.
- On successful completion of the training, Certificate of Participation for individual participants and merit certificate for Best Student Trainee shall be awarded.
- Last date for receipt of nominations: **11 September, 2017.**

NOMINATION FORM FOR PARTICIPATION IN THE TRAINING PROGRAMME**Hands on Training Programme on****“Agriculture Biotechnology – Microbes and their biotechnological interventions for sustainable agriculture with special reference to biological weed management”****12-27 September, 2017****Sponsored by MP. Biotechnology Council, Bhopal - 462 011, M.P**

1. Full name of the participant:
2. Department, College, University affiliated:
3. Address for correspondence with email and phone no:
4. Date of birth:
5. Sex: Male/Female:
6. Whether accommodation required: Yes/No
6. Academic records from UG onwards:

| Examination passed/appearing | Subject | Year of passing | Percent Marks | University/college | Remarks, if any |
|------------------------------|---------|-----------------|---------------|--------------------|-----------------|
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Date:**Signature of applicant****7. Recommendation of the forwarding Institute:****Signature
Designation with seal**

- Nomination form can also be downloaded from: <http://www.dwr.org.in>
- Photocopied forms are also accepted.
- Filled nomination forms should be sent to the Course Director by **11 September, 2017** by post/by hand or scanned copy by email.

Dr. Bhumesk Kumar
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Jabalpur - 482 004, M.P.
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