

Application form

Teachers Training on Genomics, Proteomics and Bioinformatics tools for Plant Improvement 12th to 19th March, 2012

- 1 Name of Teacher : _____
- 2 Gender : Male/Female
- 3 Birth date : _____
- 4 Name of college : _____
/University : _____
- 5 Subject specialization : _____
- 6 Education : _____
qualification : _____
- 7 Work experience : _____
- 8 Correspondence Ad- : _____
dress With Phone No. : _____
- 9 E-mail address : _____
- 10 Accommodation re- : _____
quired? Yes.....
No.....

I hereby certify that the above information
furnish are true.

Date.....
Place.....

Signature
of applicant

Recommendation of the department head /
college head

Signature of Head

Correspondence

Training Director

Dr. B A Golakiya
Professor and Head
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Training Coordinators

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॥ पथा पठि तथा प्रकाशे ॥

Venue

Department of Biotechnology
Junagadh Agricultural University
Junagadh, Gujarat

Teachers Training on

Genomics, Proteomics and Bioinformatics tools for Plant Improvement

12th to 19th March, 2012



Organized By

Department of Biotechnology
Junagadh Agricultural University
Junagadh, Gujarat



Sponsored by

Gujarat State Biotechnology Mission
Gandhinagar



Objective

The present era of 'Gene Revolution' requires skilled human resources in this high throughput area. The Department of Biotechnology, Junagadh Agricultural University, Junagadh, Gujarat is a leading seat of training in the field of Agricultural Biotechnology with emphasis on plants and microorganisms. The department is going to organize eight days hands on training on the "Genomics, Proteomics and Bioinformatics tools for plant improvement". The proposed training has been designed keeping in view the needs of State Universities & Colleges and Post Graduate college teachers of biotechnology. The training programme will include lectures as well as practical classes in the proportion of 30:70.

About Department of Biotechnology

Department of Biotechnology was established in 2008 at Junagadh Agricultural University. In the span of three years the department has developed "State-of-Art" molecular-biology laboratory facilities and has conducted research in the different aspects of plant biotechnology. Till date department has trained 68 students from different universities and colleges of Gujarat and has organized several refresher courses for university teacher and professors.

Facilities Available at Department

The Department of Biotechnology has most of the equipments required for the biotechnological research, which includes Genome sequencer, Gradient PCR, RT-PCR, Capillary electrophoresis, Ultra Centrifuge, 2D Gel Electrophoresis, Surface Plasmon Resonance (SPR), Scanning-Transmission Electron Microscope (STEM), Multimode Reader, HPLC, 2D HPLC, Amino acid analyzer, LCMS, GCMS, ICPMS, XRF, AAS etc.

Course contents

The participants will be exposed to different equipments available with the department along with the specific training on

A. Genomics & Molecular marker

- Theory and practical on AFLP, Microsatellite etc
- Isolation of DNA and PCR amplification of 16s rRNA/18s rRNA gene
- Theory and practical on DNA sequencing of 16s rRNA /18s rRNA gene
- Gene tagging

B. Proteomics

- Theory and practical on HPLC
- Theory and practical on 2D HPLC
- Theory and practical on LCMS and GCMS

C. Bioinformatics

- Basic Bioinformatics
- Applications of Bioinformatics Software
- Post DNA sequencing by the application of Bioinformatics

General Information

Duration:

12th to 19th March, 2012.

Course Fees:

Participants are requested to pay a sum of Rs. 500/- (Rs Five Hundred only) as registration fee. The registration fee (Nonrefundable) shall be deposited in cash at the time of registration on March 12th, 2012 in the office of Department of Biotechnology.

Laboratory and Computing facilities:

The biotechnology laboratories are well equipped with modern equipments and other lab wares facilities.

Lodging and Boarding:

Arrangements for the lodging and boarding for the participants will be made by the organizers in the training hostel.

Number of Participants:

The maximum number of participants shall be 30.

Participants and Eligibility:

Applications are invited from the Teacher /Professor or equivalent in Biotechnology, Microbiology and Agriculture from Institutes/Sate Governments/Private Organizations of Gujarat.

How to apply:

The application for participation may be sent in enclosed prescribed format, duly forwarded by Head of the institution. It should reach the Training Director latest by **Feb. 29th, 2012** by post, fax or email. The participants will be selected based on the experience and the field of research.

