Weather in Banaskantha:
The weather of Sardarkrushinagar will be hot and humid but pleasant with cool night during the month of July-August.

How to reach Sardarkrushinagar:
Sardarkrushinagar (Dantiwada) is about 28 Km far from Palanpur railway station and 175 Km from Ahmedabad. It is well connected through Delhi. From Palanpur railway station (Kirti Stambh), participants can avail University bus facility from 7:00 hrs to 22:00 hrs to reach University Guest House, Sardarkrushinagar. Dist: Banaskantha, Pin-385 506, Gujarat.

Important dates:
Last date for receiving application: 20/06/2016
Intimation of selection: 22/06/2016

Address for correspondence:
Course Director:
Dr. M. P. Patel, Head of Department
Department of Genetics & Plant Breeding
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Course Coordinator:
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ICAR Sponsored Summer School
ON
Allele Mining in Crops: Methods and Utility
18th July to 7th August, 2016

Course Director
Dr. M. P. Patel
Course Coordinator
Dr. Kapil K. Tiwari

:: Organized by ::
C. P. College of Agriculture
S. D. Agricultural University
Sardarkrushinagar-385506.
Dist: Banaskantha, Gujarat, India
Background:
Crop improvement is possible by the introduction of superior alleles from the genetic resources available worldwide; including wild relatives and cultivars. Identification of untapped genetic variation is known as allele mining and these alleles introduced into cultivated varieties under crop improvement programmes. Conventional breeding techniques are time taking and difficult to perform with polygenic character especially where phenotyping is unmanageable. However, by the implementation of molecular techniques, crop improvement work can be accelerated and conventional breeding problems can be overcome with high precision. To date, many of molecular methods have been discovered and used for identification of novel alleles and genes. These advance methods are needed to introduce through faculty training programme.

This training was designed to cover topics related to allele mining for biotic and abiotic stress and its utility in breeding programme.

About the course:
There will be a series of lectures and hands-on practical sessions on molecular techniques associated with the discovery of novel alleles and genes. Various aspects of allele mining such as genetic resource maintenance and utilisation, identification of core and mini-core, methods for screening of genotypes under biotic & abiotic condition, high throughput methods of genotyping, gene mapping and tagging, map based gene cloning, NGS and marker assisted selection will be covered. Addition to SDAU faculty, guest faculty will be invited from IARI, IISR and other parts of the country to deliver lectures on specific area of their specialization. A visit of University research activities will also be organised.

Date and venue:
The summer school will be organised for 21 days from 18th July to 7th August, 2016 at the Department of Genetics and Plant Breeding, C. P. College of Agriculture, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar- 385 506. Dist: Banaskantha, Gujarat, India.

Eligibility:
Participants are invited from State Agricultural Universities/ICAR Institutes. The participants should possess M.Sc./ Ph.D. Degree in Genetics & Plant Breeding/ Genetics/ Plant Biotechnology/ Seed Science/ Plant Physiology/ Plant Pathology or related disciplines and presently working not below the rank of Assistant Professor.

Registration:
The interested candidates have to apply online through Capacity Building Programme (CBP) portal at http://cbp.icar.gov.in/applyDetails.aspx
Applicant has to pay non-refundable registration fees of Rs. 50/- in the form of a demand draft or Indian Postal order in favour of the “Comptroller, SDAU” payable at Sardarkrushinagar. The online filled application should be printed out and get it approved by their competent authority of the organisation. Approved application should be scanned and uploaded on the CBP portal. Hard copy of duly filled original application form along with registration fee should be sent to the Course Director before the closing date (20th June, 2016). If required, advance copy of application may send to Course Director, but their selection will be subjected to receiving their approved application only. The selected candidates will be informed by e-mail. Once the candidates are intimated about their selection, they need to confirm their acceptance within two days.

Travelling allowance and accommodation:
Travel fare to and fro for journey will be provided. Reimbursement of expenditure will be limited to AC II Tier/AC bus by the shortest route for attending the summer school. Travel by air is not permissible. Photocopy of train/bus ticket should be produced at the time of reimbursement. For out station participants, rent–free accommodation will be provided in University premises. Wholesome meals and refreshments will be as per the normal rules of training course. Local participants will be provided lunch and inter-session tea only.