



Bioinformatics Centre
Advanced Centre for Treatment,
Research and Education in Cancer
(ACTREC)

Azadi Ka Amrit Mahotsav Webinar & Workshop

“ Protein Purification, Crystallization &
Structure Determination ”

August 6th, 2021



Department of Botany
University of Kashmir,
Srinagar

Organizers

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ACTREC is the state-of-art R&D satellite of the Tata Memorial Centre (TMC) which is the autonomous grant-in-aid institution under the Department of Atomic Energy (DAE), Government of India. Research at ACTREC focuses on understanding the biology of cancer and translating this knowledge to improve disease management. With this aim, molecular profiling of different cancers using multi-disciplinary approach is being carried out by different research group in ACTREC.



Kashmir University, founded in the year 1948, is committed to provide intellectually stimulating environment for productive learning to enhance the educational, economic, scientific, business and cultural environment of the region.

Over the years, the University has marked towards excellence in its programs and activities. It has been re-accredited as Grade A+ University by the National Assessment and Accreditation Council (NAAC) of India. Kashmir University has been Ranked 48th in the NIRF rankings with a ranking of 56 in QSBRICS.

Speakers

- ⌘ Dr. Ashok K Varma-ACTREC, Navi-Mumbai
- ⌘ Dr. Aijaz Ahmad Wani - University of Kashmir
- ⌘ Dr. Gagandeep Gupta-BARC, Mumbai
- ⌘ Dr. Prasenjit Bhaumik-IIT Bombay, Mumbai
- ⌘ Dr. Avinash Kale- UM-DAE CEBS, Mumbai
- ⌘ Dr. Pravindra Kumar-IIT Roorkee
- ⌘ Dr. Amit Das-BARC, Mumbai

Dr. Vikram Gota-ACTREC

Covid-19: Prevention, Detection and Treatment

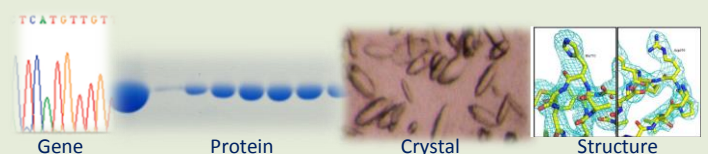
Topics

- ⌘ **Gene Cloning**
Genetic selection techniques, Cloning strategies
- ⌘ **Protein Expression & Purification**
Purification involving Nickel affinity, Size-exclusion chromatography (SEC)
- ⌘ **Crystallization**
Sitting & Hanging drop methods
- ⌘ **Structure Solution**
Molecular Replacement Method, Model building

Registration

- Registration is free. However, pre-registration is required:
- Please provide a brief CV including (i) Name (ii) email id and phone (iii) Educational qualification (iv) Name of the institute, and email to “bioinfo.actrec@gmail.com” before **August 2nd, 2021**
- Selected applicants will be intimated on **August 3rd, 2021**

Welcome to Webinar



Eligibility

Working professional , (qualification M.Sc. and above) / Ph.D. students / Research scientists / Academic faculty

General Information's

- Link for virtual meeting will be provided to registered participants only.
- All the registered participants will be provided study materials, lectures and e-certificate

Patron : Prof. Sudeep Gupta

Director- ACTREC



Conference Conveners:

Dr. Ashok K Varma

Advanced Centre for Treatment, Research and Education in Cancer, Navi Mumbai



Patron : Prof. Talat Ahmad

Vice-chancellor,
University of Kashmir, Srinagar



Conference Conveners:

Prof. Aijaz Ahmad Wani

Department of Botany
University of Kashmir, Srinagar

