

Invited Speakers



Dr. Ravindra Kumar: Principal Scientist and HOD, Molecular Biology and Biotechnology Division, NBGFR, Lucknow, UP
His current area of research focuses on physical chromosome map development, whole genome/transcriptome sequencing, genomic resource databases development/maintenance, cell line development/maintenance for conservation and sustainable use of the genetic resources.



Prof. S Jithender Kumar Naik
Department of Zoology,
University College of Science,
Osmania University, Hyderabad

He has vast experience in the fields of Environmental Biology, Toxicology, Genetics, Reproductive Biology, Occupational Health Hazards, Fisheries and Limnology.

Coordinator of the program:
**Prof. Seema Langer, HOD Zoology
and Dean, Life Sciences,
University of Jammu**

Organising Committee:

Convener: Dr. Arti Sharma
Sr. Assistant Professor, Zoology, JU
Organising Secretary: Dr. Rakesh Kumar
Assistant Professor, Zoology, JU

Registration & Contact Details

Interested candidates **must** register and only selected candidates will be invited for the workshop.

For selected candidates, registration fee, local travel, boarding and lodging will be covered by Department of Zoology, University of Jammu.

Registration for the workshop can be done through the following link.

<https://forms.gle/SEav4fbUE86VvFsg8>

Registration Deadline: 5th of Nov. 2022.

Shortlisted candidates will be intimated by email, latest by 7th November 2022.

Eligibility Criteria

- Minimum qualification: Post Graduation in Life sciences.
- Professor/Scientists/College faculty/Post Docs/PhD fellows/Industry persons.
- Not more than 03 people from one institute.

For more Information:

Email:

hodzooluniveristyofjammu@gmail.com

Mobile: 09906027016, 9419131914

Address: Department of Zoology, University of Jammu, Jammu, J&K, 180006

Acknowledgements:



Department of Science & Technology (DST)

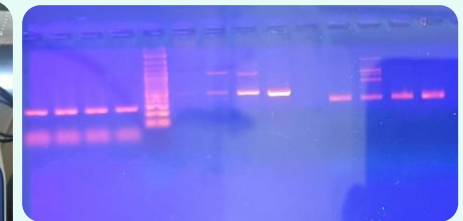
funded

Training workshop under STUTI
(Synergistic Training Program Utilizing the Scientific and Technological Infrastructure)

7 Day Workshop on

Atomic Absorption Spectroscopy (AAS) and Polymerase Chain Reaction (PCR)

14th Nov. To 20th Nov. 2022
Department of Zoology,
University of Jammu, Jammu



Contents of the Workshop

Sessions Day 1A-B

Inauguration

Introduction of the participants and the Host.

Session 2A-B

Introduction to AAS.

Sample preparation

Session 3A-B

Sample and Data analysis of AAS

Basics of DNA extraction and qualitative and quantitative analysis of extracted DNA

Session 4A

Field Trip

Session 5A-B

Fundamentals applications of PCR
Amplification of DNA of interest

Session 6A-B

Fundamentals of Electrophoresis
Agarose gel electrophoresis of PCR products.

Session 7A-B

Data interpretation and Discussions
Valedictory

Overview of STUTI and objectives of Workshop

STUTI (Synergistic Training Program Utilizing the Scientific and Technological Infrastructure) is a DST scheme which intends to build human resource and its knowledge capacity through open access to S&T infrastructure across the country. In this program, training sessions are conducted on state of art equipment that is fully funded by DST. IIT Gandhi Nagar has been identified as Project management Unit to conduct these training sessions under the STUTI program.

The Department of Zoology University of Jammu has the privilege for being funded by DST schemes and has been selected for conducting 07 Day workshop on AAS and PCR based techniques w.e.f 14th of Nov. 2022 to 20th of Nov. 2022.

The workshop is aimed to provide the participants the understanding of AAS and PCR related techniques which have a wide range of applications in the field of biological sciences. The participants will be introduced to the basic concepts of functioning of AAS, sample preparation and analysis of samples. The participants will also learn the molecular biology techniques of DNA isolation from various tissue, DNA amplification by PCR and visualization of amplicons through agarose gel electrophoresis and gel documentation. They will be demonstrated about the principles and working of equipment used in these techniques.

TENTATIVE SCHEDULE

DAY1 9:30 AM	Registration
10:30	1-A
12:30	Lunch Break
1:30	1-B

DAY2 10:00 AM	2-A
1:00 PM	Lunch Break
2:00 PM onwards	2-B

DAY3 10:00 AM	3-A
1:00 PM	Lunch Break
2:00 PM onwards	3-B

DAY4 10:00 AM onwards	4-A
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DAY5 10:00 AM	5-A
1:00 PM	Lunch Break
2:00 PM onwards	5-B

DAY6 10:00 AM	6-A
1:00 PM	Lunch Break
2:00 PM onwards	6-B

DAY7 10:00 AM	7-A
1:00 PM	Lunch Break
2:00 PM onwards	7-B