



ICAR NP-GET

sponsored



21 DAYS WINTER SCHOOL

ON

BASIC BIOTECHNOLOGY TOOLS AND TECHNIQUES

(10.02.2025-03.03.2025)



ORGANIZED BY



**ICAR-CSWRI AVIKANAGAR
RAJASTHAN**

(www.cswri.res.in)

For Further Details Contact

Dr. Rajiv Kumar : Course Coordinator. Phone: +91 9414045616

Email: rajiv.kumar@icar.gov.in



ABOUT THE TRAINING

Basic molecular biology tools are commonly used for disease diagnosis, clinical research, and other purposes. This hands-on training is intended for Schedule Caste community researchers/students interested in basic and advanced molecular biology research for career advancement. This training will assist those seeking new career opportunities in molecular biology in filling a skill gap between college and employment. This course provides hands-on experience with basic molecular biology tools and techniques such as DNA/RNA isolation, cDNA synthesis, PCR, gel electrophoresis, SDS-PAGE, gene cloning techniques and cell culture

ABOUT THE INSTITUTE

The ICAR-Central Sheep and Wool Research Institute (CSWRI) in Avikanagar, Rajasthan, is a leading scientific institution dedicated to advancing sheep and wool research since 1962. Renowned for its development of high-yielding breeds like Avishaan, Avikalin and Bharat Merino. CSWRI focuses on cutting-edge research in biotechnology genetics, nutrition, health, reproduction, and wool technology. The institute's innovations in breeding programs, disease management, and sustainable farming practices to enhance wool quality and sheep productivity, playing a crucial role in boosting rural economy, catering the farmer's need, and supporting nation's agricultural sector.

ELIGIBILITY

The winter school is intended for Schedule Caste community Scientists/Assistant Professors/students (PG/PhD) including research scholars/Junior/Senior Research Fellow/Research Associate of ICAR Institutes/SAU/CAU/Other Universities/Colleges.

SELECTION PROCESS

The application will be screened by a selection committee. The number of candidates is limited to 10 in order to maintain a low trainee-to-instructor ratio, and a diverse educational experience. Priority will be given to BPL, orphans, and physically disabled students belonging to scheduled caste community

THIS WINTER SCHOOL WILL FOCUS ON

- Standard Operating Procedures (SOP) in Biotechnology laboratory
- Genomic DNA extraction from animal tissues/blood/wool follicles
- RNA Isolation and cDNA synthesis
- Polymerase chain Reaction
- Agarose gel electrophoresis
- Gene cloning & expression
- Molecular marker techniques
- Real time PCR technique
- Cell Culture Technique
- Genome Wide Association Study
- Genome-Editing Technology

ORGANIZING COMMITTEE

❑ Course Director

Dr. Arun Kumar, Director, ICAR-Central Sheep and Wool Research Institute

❑ Course Convenor

Dr. S.S. Misra, Head, (Animal Genetics and Breeding)

❑ Course Coordinator

Dr. Rajiv Kumar, Senior scientist (Animal Biotechnology)

❑ Core Faculty

Dr. P.K. Mallick, Principal Scientist (Animal Genetics and Breeding)

Dr. G. Nagarajan, Principal Scientist (Animal Biotechnology)

Dr. A.S. Meena, Senior scientist (Animal Biotechnology)

Dr. A.S. Mahla, Scientist (Animal Reproduction)

Dr. Saravanan K.A., Scientist (Animal Genetics and Breeding)

REGISTRATION FEES & LODGING

Candidates do not have to pay any registration fees. Accommodation/lodging will be provided in PG hostel/Kisan Ghar of the Institute. Lodging/boarding charges will be borne from the host institute. The training programme will begin at 9.30 AM

NOTE:

❑ Total number of participants: 10 only

❑ Last date for receiving applications: 20 th January , 2025

❑ It is mandatory for the applicant to submit a soft copy of Schedule Caste community certificate issued by state/central Government authorities, an Aadhaar card, and a filled application form for consideration of the application. Submit the PDF copy of the filled application form to the following email address on or before 20 th January, 2025. Email address: rajiv.kumar@icar.gov.in

FOR FURTHER DETAILS, PLEASE CONTACT:

Dr. Rajiv Kumar: Senior scientist (Animal Biotechnology)

Phone: +91 9414045616

Email: rajiv.kumar@icar.gov.in

rajivbiotech028@gmail.com

**ICAR- CENTRAL SHEEP & WOOL RESEARCH INSTITUTE
AVIKANAGAR DISTRICT- TONK (RAJASTHAN) 304501**

Application

Affix self-
attested
recent passport
size photograph
here.

1. Name in full (in Block letters):
2. Father's/Husband's Name:
3. Date of Birth : Date : Month: Year :

(Attested copy of proof of age to be attached with Caste certificate)

4. Permanent Address including:
Phone, fax, e-mail
5. Address for correspondence:
6. Nationality:
7. (a) Educational Qualifications in chronological order beginning from SSC(10th Onwards):

Name of the Examination Passed	Year of Passing	Name of the Board/University	Subject studied	Division/% of marks

- (b) Professional/Technical Qualifications (If any):

Name of the Examination Passed	Year of Passing	Details of Course	Board / University	Subject Studied	Division/ % of marks

8. Any other information relevant:

Declaration & Certificate

I hereby declare and certify that all the statements made in this application are true and correct to the best of my knowledge and belief. If any of the particulars furnished by me are found to be incorrect or suppressed, my candidature is liable to be rejected at any stage during or after selection process.

Place.....

Signature of the Candidate.....

Date.....

Name.....