

Duration

The DST SERB sponsored Karyashala (Workshop) is for 10 days and is scheduled to be organized during 21st to 30th March 2024. The participants are required to reach ICAR-IVRI latest by the evening of 20th March 2024. The participants may plan their return journey only after 17.00 hours on 30th March, 2024.

Eligibility

- The workshop is open to **B.V.Sc. (4th year & above) students and Postgraduate Students pursuing Master's or Doctoral Degree** in veterinary and animal sciences from a recognized academic Institute or University.
- There are only **25 seats** available for this Karyashala and participants will be selected for training as per SERB guidelines.
- There is **NO registration fees** for attending the Karyashala.

Travel and accommodation

The selected applicants will be provided accommodation at ICAR-IVRI Guest House on sharing basis. Participants from Bareilly will not be considered for guest house accommodation. The accommodation charges will be borne by ICAR-IVRI.

- A fully functional mess within the Guest House would be providing wholesome meals to all the participants as per ICAR approved norms. The charges for food of participants will be borne by IVRI.
- The applicants will be reimbursed traveling expenses limited to 3rd AC train fare for their journey by shortest route. The applicants have to produce original tickets for to and fro journey for reimbursement of travelling expenses. In case the journey is performed in higher class, reimbursement will be restricted to 3rd AC class train fare.

Venue and location

Seminar hall, LPM Section, ICAR-Indian Veterinary Research Institute (Deemed University), Izatnagar 243 122 (UP) India.

Assessment and certificate

After completion of the training course, the participants will be evaluated with an objective to assess how far the training programme succeeded in reaching up to the participants to enhance their competence on various techniques covered. The participants will be presented with a certificate on completion of the Karyashala.

How to apply

Eligible and interested candidates may submit their application through google forms <https://forms.gle/bFwEANBSULi39NqG6>. The application form in prescribed proforma duly signed and forwarded by the Guide/HOD/Principal/Competent authority has to be uploaded on the google forms and pdf copy of signed application form has to be sent through email to drmanas01@gmail.com. The details are also available on the IVRI website www.ivri.nic.in. The application form can also be downloaded from the IVRI website.



Important dates

Last date for submission of applications : 10 March 2024
Intimation of Selection : 12 March 2024
Confirmation by Participants : 15 March 2024

Chief Patron

Dr Triveni Dutt
Director & Vice Chancellor
Deemed University, ICAR-IVRI, Izatnagar

Patrons

Dr. K.P. Singh, Joint Director (CADRAD)
Dr. S.K. Singh, Joint Director (Research)
Dr. S.K. Mendiratta, Joint Director (Academics)
Dr. Rupasi Tiwari, Joint Director (Extension Education)
Dr. Mukesh Singh, In-charge, LPM Section

Event Organizer/Course Director

Dr. Manas Patra, PhD
Senior Scientist, LPM Section
Email: drmanas01@gmail.com
Mob. No: +91-9456657316, 9761304820

Course Coordinators

Dr. A.C. Saxena, PhD
Senior Scientist, Division of Surgery

Dr. Brijesh Kumar, PhD
Scientist (SS), Division of Animal Reproduction

Dr. Hari Om Pandey, PhD
Senior Scientist, LPM Section

Dr. Ayon Tarafdar, PhD
Scientist, LPM Section

High-End Workshop (Karyashala)

on

ADVANCED REPRODUCTIVE ULTRASONOGRAPHY TECHNIQUES

IN DIAGNOSTIC PRECISION OF
REPRODUCTIVE HEALTH AND
DISORDERS IN FARM AND PET
ANIMALS

21-30 March 2024

sponsored by



organized by



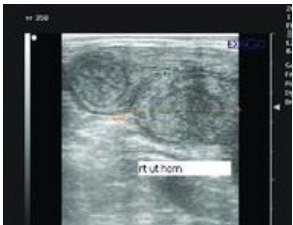
**Livestock Production and Management Section
ICAR-Indian Veterinary Research Institute,
Izatnagar, Bareilly (U.P.), India**

ABOUT KARYASHALA

The program is sponsored by DST-SERB and is meant to support motivated PG, PhD level students, who are having a strong willingness to get excellence in their scientific and engineering research pursuits. 'KARYASHALA' is an effort to improve research productivity of promising PG and PhD students from universities and colleges through high-end workshops on specific themes. This program aims to provide opportunities to acquire specialized skills for conducting research in climate-smart livestock farming for sustainable production.

ABOUT ICAR-INDIAN VETERINARY RESEARCH INSTITUTE

The Indian Veterinary Research Institute (IVRI), under the Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare, Government of India, is one of the oldest institutions in the country. This Institute was established in the year 1889 as Imperial Bacteriological Laboratory in Pune, Maharashtra. Presently, the headquarter of this Institute is at Izatnagar, Bareilly, Uttar Pradesh. The Institute also has two campuses (Mukteshwar and Bangalore) and three regional stations (Palampur, Kolkata and Pune). This Institute has completed 133 glorious years and has achieved many important achievements while making meaningful contributions in meeting the food security in our country.



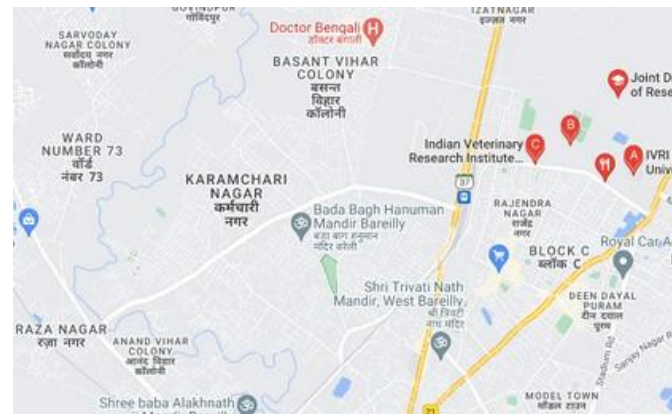
ABOUT LIVESTOCK PRODUCTION & MANAGEMENT SECTION



The present Cattle and Buffalo Farm of Livestock Production and Management was established during October 1937 by transferring Haryana and Murrah buffaloes from Cattle Breeding Farm, Karnal. The basic mandate was to improve the productivity of these animals by selective breeding and to provide facility for other fields of research in the Institute. The productivity of purebreds improved slowly and these animals were also used for artificial insemination during pre-independence period. In 1945, Farm Animal Genetics Section (FAGS) was established and these animals were transferred to FAGS. The Farm Animal Genetic Section was renamed as Livestock Production Research during 1975. In October, 1997, it was reorganized and existing set up of Livestock Production Research (Cattle and Buffalo) with Swine Production Farm and Sheep and Goat Farm were converted into Livestock Production and Management Section. Presently, scientific staff of the section is also involved in teaching of BVSc, MVSc and PhD students.

How to reach ICAR-IVRI, Izatnagar

Bareilly is well connected to major cities of India by rail and road. It is 255 km from New Delhi, 220 Km from Mathura, 300 km from Dehradun, and 260 km from Lucknow. The city is connected via bus, train, and flight connectivity. ICAR-IVRI is located at Izatnagar, a satellite town of Bareilly, which is about 2 km from Izatnagar railway station and 8 km from Bareilly Junction railway station. The auto-rickshaw and cabs can be hired from Bareilly Jn. Railway Station and Bus Station for the Institute at Izatnagar. The selected participants are advised to make return journey reservations well in advance and produce the travel tickets for reimbursement on the first day of the training program.



ABOUT THE WORKSHOP

Reproductive ultrasonography in small and large animal practice is gaining popularity day by day. Precision in diagnostic ultrasonography in clinical setup is essential for understanding the reproductive status of the animal, breeding time determination, confirmation of uterine and ovarian pathology. Reproductive USG is one of the key techniques behind the success of MOET and OPU-IVF in farm animals. Early pregnancy diagnosis is another key area, where using USG pregnancy can be confirmed with 100% accuracy in 30-35 days post AI in farm animals and 25-30 days in canine. The proposed high-end workshop on Advanced reproductive ultrasonography techniques is designed to give hands on training in reproductive ultrasonography. This training program is comprised of 30 scheduled sessions covering 22 practical and 8 theory sessions in

14 days. This high-end workshop will help in developing the competency and skill of post graduate scholars for performing ultrasonography, interpretation of results during research and clinical practice.

Course Content

- Basics of ultrasonography: an overview
- Ultrasonographic assessment of reproductive organs in cattle and buffalo
- Applications of different ultrasound equipment in clinical practice
- Understanding follicular dynamics for augmenting reproductive efficiency
- Methods of early pregnancy diagnosis in farm animals using ultrasonography
- Application of ultrasonography in canine pregnancy diagnosis
- Diagnosis of uterine and ovarian pathology in large animals using a sonographic approach
- Ultrasonography of urogenital system in small animal practice
- Use of ultrasonography in small ruminant pregnancy diagnosis and reproduction
- Monitoring of ovarian functions in postpartum buffaloes using ultrasonography
- Ultrasonography aided assisted reproductive technique in farm animals
- Use of ultrasonography in monitoring of ovulation in estrus synchronized cattle and buffalo



ICAR-Indian Veterinary Research Institute, Izatnagar, Uttar Pradesh-243122

Application Form



DST-SERB sponsored High-End Workshop (*Karyashala*) on

“Advanced Reproductive Ultrasonography Techniques in Diagnostic Precision of Reproductive Health and Disorders in Farm and Pet Animals”



(21th March to 30th March, 2024)

1. Name of the Applicant :
2. Enrollment/Registration number :
3. Degree (UG/PG/Ph.D) :
4. Year of Study (1st/2nd/Final) :
5. Department :
6. Institute/University :
7. Correspondence Address :

PASSPORT SIZE
PHOTOGRAPH

8. Mobile Number and e-mail ID :
9. Academic Record :

Sl. No.	Examination Passed (fill up to your current degree)	Subject (Major)	Year of Passing	Marks (%)/CGPA
1.	Bachelor Degree			
2.	Master Degree			
3.	Ph.D			
4.	Any other qualifications			

The above information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the program.

Date:

Signature of the applicant

Recommendation by the forwarding authority (Guide/HOD /competent authority)

Dr/Mr/Ms. _____ is hereby nominated for participating in the DST-SERB sponsored High-End Workshop at IVRI, Izatnagar from 21th March to 30th March, 2024 in physical mode.

Date:

Signature & Seal