Financial Assistance:

There is no registration or bench fee. The participants will be paid T.A. for to and fro journey by rail/bus/public transport by the shortest route as per entitlement, restricted to AC-II (on producing documentary evidence). Participants should produce a certificate that they have not received any travel support from the parent Institute/University/college to attend this training program.

Boarding and Lodging:

Accommodation will be arranged free of cost in the Institute's Guest house facilities on sharing basis. Please do not bring your family members.

Location and weather:

The Institute is located at nearly equidistance from two famous International tourist places *i.e.* Mathura (25 km) and Agra (32 km). The weather at CIRG during February is cold (15-25ºC).

Important date

Last date of receipt of nomination : 15.01.2024
Intimation to the candidate about selection : 17.01.2024
Last date of confirmation by the candidates : 20.01.2024

All correspondence should be addressed to
Dr. Ravi Ranjan
Senior Scientist & Course Director
Animal Physiology & Reproduction Division
ICAR-Central Institute for Research on Goats
Makhdoom, Farah – 281122, (U.P.), India
Mobile: 98978794493
Email: drraviranjan@gmail.com

Announcement of short course training on

Technological Innovation in Assisted Reproductive Technologies for the Improvement of Caprine Germplasm

Organized at

ICAR - Central Institute for Research on Goats
Makhdoom, Farah – 281122

5th to 14th February, 2024

1. Full Name: .....

2. Designation: .....

3. Present employer and address

.....

4. Address for correspondence:

.....

.....

5.Telephone:..... Mob:.....

6. Email: .....

7. Date of birth: .....

8. Sex: .....

9. Basic pay: ……

10. Highest educational qualification (with specialization):

.....

11. Teaching/Research/Professional Experience:

.....

12. Demand draft drawn in favour of ICAR Unit-CIRG

No. …….. Date ……

Rs. 50/- (Non-Refundable) as registration fee, Payable at Farah

Online: www.cirg.res.in/online-payment

It is to certified that all the information furnished by me is true to the best of my knowledge.

Date:

Palace: Signature of applicant

Recommendations of the forwarding authority with seal:

Azadi Ka Amrit Mahotsav

ANNOUNCEMENT OF SHORT COURSE TRAINING ON

Technological Innovation in Assisted Reproductive Technologies for the Improvement of Caprine Germplasm

5th to 14th February, 2024

Sponsored By

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
NEW DELHI-110012

ICAR

CIRG

Organized by

Animal Physiology and Reproduction Division
ICAR-Central Institute for Research on Goats
Makhdoom, Farah – 281122, Mathura, (U. P.)
Website: http://www.cirg.res.in/

About ICAR-CIRG and Animal Physiology & Reproduction Division:

The Institute was established on 12th July, 1979 with the vision to develop poor men's cow - goat as a source of livelihood security, poverty alleviation and employment generation. The Institute has acquired and developed modern laboratory facilities over the years to conduct research on Goat Genetics & Breeding, Feed resource development, Nutrition, Physiology, Reproduction, Management, Diagnosis & Prevention of Diseases, Transfer of improved Technologies and Milk and Meat Products technology.

At present the Division has developed impressive facilities for research and teaching in the areas of high end semen cryopreservation, Artificial Insemination, embryo biotechnological tools like animal tissue/cell culture, *in vivo* embryo and *in vitro* embryo production, animal cloning, parthenogenic embryo production, transgenesis, cryopreservation of gametes, stem cells and somatic cell lines, embryonic, spermatogonial and mesenchymal stem cell production and their application.

Assisted reproductive technologies:

Assisted reproductive technologies affect every facet of the reproductive process, from antral follicle selection to parturition. These techniques include: artificial insemination, cryopreservation (freezing) of gametes or embryos, induction of multiple ovulations, estrus synchronization, embryo transfer, in vitro fertilization, micromanipulation, transgenesis, cloning, etc. Artificial insemination using frozen semen is practiced to produce superior progeny and to accelerate the up gradation of stock. We need 1.5-2 million bucks as compared to only 50,000 bucks for Frozen Semen AI Technology to cover 71 million breedable does

Coarse contents (Theory and Practical):

- Role of Artificial Insemination in sustainable goat production
- Buck semen cryopreservation and Artificial Insemination: An overview
- Recent advances in Semen Evaluation techniques
- Selection and management of buck and doe for breeding
- Establishment of Artificial Insemination laboratory
- Reproductive disorder and their management in goat
- Advance techniques in management of goats
- Recent advances in pregnancy diagnosis in goat
- Estrus synchronization and Laparoscopic Artificial Insemination in goat
- Anatomy and physiology of male and female reproductive system in goats
- Semen collection, evaluation and Cryopreservation
- Common diseases of goats and their management and control strategies
- Disease Transmitted Through Semen
- Economics of Artificial Insemination
- Nutritional management for higher reproductive efficiency
- Routine farm management and record keeping

Eligibility:

The ICAR short course is meant for active researchers/teachers/scientists in ICAR/SAU/SVU in the field of animal reproduction, animal physiology, animal biochemistry, animal biotechnology and related subjects having more than 2 years of teaching/research and extension experience and those working not below the rank of Asst. Prof. /Scientist/Lecturer.

How to Apply:

The eligible candidates may apply online at http://cbp.icar.gov.in following the guideline mentioned latest by 15th January, 2024. Applications in the given format should be also sent through proper channel to the Course Director.

Mode of Selection:

Maximum number of participants will be 25 only. A list of candidates will be prepared as per the criteria laid for the course and will be intimated to the selected participants through email/phone. Candidates should promptly reply with acceptance and travel plan.

ORGANIZING COMMITTEE

Chief Patron

Dr. M. K. Chatli
Director, ICAR-CIRG

Patron

Dr. Mukesh Bhakat
Head, APR Division

Course Director

Dr. Ravi Ranjan
Senior Scientist

Co-course Director

Dr. Chetna Gangwar
Senior Scientist

Co-course Director

Dr. M. K. Singh
Principal Scientist

ICAR - Central Institute for Research on Goats
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