

# **4<sup>th</sup> Annual Convention of Animal Physiologists Association and National Symposium**

on

**ADVANCED PHYSIOLOGICAL STRATEGIES FOR  
SUSTAINABLE LIVESTOCK PRODUCTION AND  
REPRODUCTION**

**March 01-02, 2024**

**Organized by**

**Animal Physiology and Biochemistry Division  
ICAR-CSWRI, Avikanagar (Rajasthan)**

**Under the aegis of  
Animal Physiologists Association (APA), ICAR-IVRI, Izatnagar**

**Venue:**

**ICAR-Central Sheep & Wool Research  
Institute, Avikanagar-304501**

## About the Symposium

The livestock sector has far reached implications for the rural poverty, rural employment, women empowerment, youth involvement, female and child nutrition, protein hunger, soil quality management and production system sustainability as well as ecosystem stability. Sustainable and efficient livestock production system is the key to meet rising global demand of livestock production besides environment conservation. Establishment of such a livestock production system depends on effective adaptation, resilience, and mitigation measures to potent threats and challenges posed by the environment. It further requires scaling up of these measures through farmer's friendly policies. In view of the continuing research on interactions of the livestock production attributes with the environmental factors such as climate change, vulnerable agro-climatic regions, unpredictable occurrence of natural disasters, and projected occurrences of natural calamities such as draught, water unavailability and declining water and feed quality, this conference is expected to provide a suitable platform for sincere deliberations on innovative and effective physiological approaches in order to deliver suitable measures for improving livestock production and farmer's income.

## Scientific Programme

### **A. Inaugural Session**

### **B. Key note address**

### **C. Symposium Sessions**

- Omics approaches in understanding livestock physiology
- Gamete biology and upstream reproductive technologies
- Climate and adaptation physiology
- Systems biology approaches for optimizing health and production
- Cellular and molecular biology
- Nutrigenomics for Livestock, Poultry and wildlife
- Young Scientist Award
- Mid-Career Award
- Poster session I
- Poster session II

### **D. Valedictory Session**

## Abstract Submission

The soft copy of abstracts not exceeding 300 words (Times New Roman, font size 12 in MS Word format, with 1.5 space) with title, names of authors (Surname/last name followed by initials) and address of institute with e-mail ID of presenting author should be mailed to the organising secretary on or before **22<sup>th</sup> February, 2024**. Abstract must be sent through email: [apacon2024@gmail.com](mailto:apacon2024@gmail.com) along with registration. Name of presenting author should be in bold letter. Acceptance of the abstract for oral or poster presentation will be communicated via e-mail.

## Awards

The Animal Physiologists Association also honours its life members with following awards, for which a separate application has to be submitted as per the instructions given in association website: <https://animalphysiologistsassociation.com>

1. APA Lifetime Achievement Award- 2022 & 2023
2. APA Fellow - 2022 & 2023
3. APA Mid-career Award- 2022 & 2023
4. APA Young Scientist Award- 2022 & 2023
5. APA Best Ph.D. thesis Award- 2022 & 2023
6. APA Best M.V.Sc. Thesis Award- 2022 & 2023
7. APA Best Published Paper Award- 2022 & 2023

Soft copy of the above applications (with supportive documents) is to be submitted to [apa2015@rediffmail.com](mailto:apa2015@rediffmail.com) latest by 22.02.2024.

Apart from above best oral presentation and best poster presentation awards will be given in each session.

## Accommodation

Limited accommodation is available in the campus Guest House and PG Hostel. Accommodation in nearby hotels may be reserved for the delegates on prior request on payment basis with tariff ranging between Rs. 1600-5000/- per day. Delegates are requested to convey the details of their travel program and accompanying persons in advance for a comfortable stay during the conference. Lodging charges will have to be borne by the participants.

## About the venue

ICAR-Central Sheep & Wool Research Institute (CSWRI), Avikanagar, an ISO 9001:2015 certified institute, is one of the leading institutes of Animal Science under Indian Council of Agricultural Research (ICAR), New Delhi. It is engaged in conducting basic and applied research in the areas of sheep breeding, nutrition, physiology, reproduction, health, biotechnology, utilization of different sheep products, providing training and transfer of technologies to the beneficiaries from last more than half a century. The Institute headquarter is located at Avikanagar near Malpura, Distt. Tonk, Rajasthan on Jaipur-Bhilwara State Highway (Diggi Malpura Road). It has three regional stations, namely, Arid Region Campus (ARC), Bikaner, Rajasthan; Northern Temperate Research Station (NTRS), Garsa, Kullu, Himachal Pradesh and Southern Regional Research Centre (SRRC), Mannavanur, Tamil Nadu.

Avikanagar is about 90 km from Jaipur and well connected by Rajasthan Roadways buses which are frequently available from Sindhi camp bus stand (2 km away from Jaipur Railway junction). The weather at Avikanagar during February is pleasant in daytime (15-20°C). The Division of Animal Physiology and Biochemistry, ICAR-CSWRI, Avikanagar was started as Physiology section in the year 1965. Later, in the year 1975 the section was upgraded to the division to carry out both basic and applied research in the area of adaptive and reproductive physiology and biochemistry in sheep. Over the last five decades the division has emerged as one of the leading research centres on sheep in India. The division is well equipped with advanced research facilities has well qualified and trained scientific and technical staffs. Therefore, the participants will have a good exposure to the various aspects of sheep physiology and allied research activities in the campus.

## Nearby Places of Tourist Attraction

The delegates may visit the places of tourist's interest around Avikanagar, Malpura, at their own expenses after the conference.

Bisalpur Dam (70km), Diggi Kalyanji Temple (10km), Ajmer (110km)  
Jaipur (90km), Pushkar (130km), Ranthambore (150km)



## **APA Secretariat**

### **Chief Patron**

**Dr. N.K. Bhattacharyya  
Dr. B.B. Mahapatro**

**Dr. D.C. Shukla  
Dr. V.P. Varshney**

**Founder President:**

**Dr. G. Taru Sharma**

**President:**

**Dr. Gyanendra Singh**

**General Secretary:**

**Dr. Vikash Chandra**

**North Zone Secretary:**

**Dr. Devendra Pathak, GADVASU**

**East Zone Secretary:**

**Dr. J. Goswami, AAU**

**West Zone Secretary:**

**Dr. S.S. Dangi, ICAR- CSWRI**

**South Zone Secretary:**

**Dr. Rambabu Naik, COVAS, Tirupati**

**Joint-Secretary:**

**Dr. Hari Abdul Samad**

**Treasurer:**

**Dr. Vikrant Singh Chouhan**

### **Executive Members**

**Dr. Srikant Tyagi**

**PDC Meerut**

**Dr. P.S.P. Gupta**

**NIANP, Bangalore**

**Dr. V. Sejian**

**NIANP, Bangalore**

**Dr. Dilip Swain**

**DUVASU, Mathura**

**Dr. Mansi Shukla**

**Rewa Veterinary College**

**Dr. K. Loganathasamy**

**TANUVAS, Chennai**

**Dr. Chanchal Singh**

**GADVASU, Ludhiana**

# Organizing Committee

## Chief Patron

**Dr. Himanshu Pathak**

Secretary DARE & DG ICAR, New Delhi

## Patron

**Dr. Raghavendra Bhatta**

DDG (AS), ICAR, New Delhi

## Chairman

**Dr. Arun Kumar**

Director, ICAR-CSWRI, Avikanagar

## Co-Chairman

**Dr. R.S. Bhatt**

Head, Animal Nutrition Division, ICAR-CSWRI, Avikanagar

## Organising Secretary

**Dr. Satyaveer Singh Dangi**

Scientist, ICAR-CSWRI, Avikanagar

## Co-Organizing Secretaries

**Dr. Ajit Singh Mahla**

Scientist, ICAR-CSWRI, Avikanagar

**Dr. Vijay Kumar**

Pr. Scientist, ICAR-CSWRI, Bikaner

## Treasurers

**Dr. Arvind Soni**

Scientist, ICAR-CSWRI, Avikanagar

## Members

**Dr. Ramavtar Lehga**

Head, ARC, ICAR-CSWRI, Bikaner

**Dr. G.G. Sonawane**

Head, AH Division, ICAR-CSWRI, Avikanagar

**Dr. S.C. Sharma**

Pr. Scientist, ICAR-CSWRI, Avikanagar

**Dr. Ajay Kumar**

Pr. Scientist, ICAR-CSWRI, Avikanagar

**Dr. Rajiv Kumar**

Sr. Scientist, ICAR-CSWRI, Avikanagar

**Dr. D.K. Sharma**

Scientist, AH Division, ICAR-CSWRI,  
Avikanagar

**Sh. I.B. Kumar**

CAO, ICAR-CSWRI, Avikanagar

**Dr. R. Pourouchottamane**

Head, NTRS, ICAR-CSWRI, Garsa

**Dr. S.S. Misra**

Head, AGB Division, ICAR-CSWRI,  
Avikanagar

**Dr. C.P. Swarnkar**

Scientist (SG), ICAR-CSWRI, Avikanagar

**Dr. Leela Ram Gurjar**

Sr. Scientist, ICAR-CSWRI, Avikanagar

**Dr. Ashok Kumar**

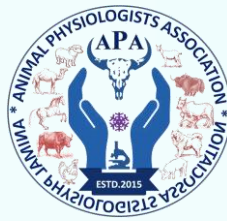
Scientist, ICAR-CSWRI, Bikaner

**Dr. V. Ralte**

Scientist, ICAR-CSWRI, Avikanagar

**Sh. Rajkumar**

CFAO, ICAR-CSWRI, Avikanagar



**Registration Form**

**APACON-2024**

**Advanced Physiological Strategies for Sustainable Livestock Production and Reproduction**

**ICAR-Central Sheep and Wool Research Institute,  
Avikanagar (Rajasthan)  
(01-02 March, 2024)**

Name (Block Letters): .....

Designation:.....

Address: .....

Age: ..... Sex: Male ( ..... ) Female ( ..... )

Membership : Member ( ) if member, mention no. ....Non-member ( )

Email:..... Mob. ....

Details of accompanying person(s), if any.....

Registration fee details: - By DD in favour of '**APACON2024 AVIKANAGAR**' payable at HDFC Bank, Malpura.

Amount: .....DD No. & Date .....

By NEFT/IMPS to

**Account Name: APACON2024 AVIKANAGAR**

**A/c no.- 50100705930520**

**IFSC- HDFC0004874**

Amount: .....Transaction details & Date.....

Journey Details.....

.....

.....

Date:..... Place : .....

Signature.....

## Registration Fee

Registration Category	Early Bird registration (Upto 22 <sup>th</sup> Feb., 2024)	Late registration
APA members	Rs. 6000	Rs. 6500
APA non-members	Rs. 6500	Rs. 7000
Accompanying person (Food Only)	Rs. 2000	Rs. 2000
Student/Research scholar	Rs. 3000	Rs. 3500
On the spot registration	-	Rs. 6500

### For Any Details Contact

#### Dr. S.S. Dangi

Scientist and Organizing Secretary,  
Division of Animal Physiology and Biochemistry  
ICAR- CSWRI, Avikanagar-304501 Tehsil:  
Malpura, District: Tonk (Rajasthan),  
**Mob: +91-9458608454**

#### Dr. Ajit Singh Mahla

Scientist and Co-Organizing Secretary,  
Division of Animal Physiology and Biochemistry  
ICAR- CSWRI, Avikanagar-304501 Tehsil:  
Malpura, District: Tonk (Rajasthan),  
**Mob: +91-9521460095**

Email: [apacon2024@gmail.com](mailto:apacon2024@gmail.com)