

NATIONAL TRAINING PROGRAMME

Sponsored under ICAR's DAPSC

Hands on training

on

INFRARED THERMAL IMAGING APPLICATIONS IN ANIMAL HEALTH AND WELFARE ASSESSMENT

13-24 December, 2021



Chief Patron
Dr. TK Datta
Director

Patron
Dr. Sajjan Singh
Head, APR Division



भाकृअनुप - केन्द्रीय भैंस अनुसंधान संस्थान


सिरसा रोड, हिसार - 125 001 (हरियाणा) भारत

ICAR-Central Institute for Research on Buffaloes

Sirsa Road, Hisar - 125 001 (Haryana) India

www.cirb.icar.gov.in

 director.cirb@icar.gov.in

 01662-281601/02

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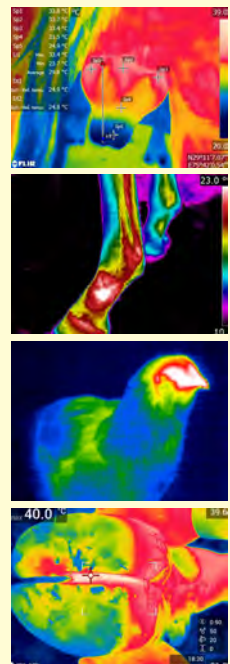


ABOUT THE TRAINING

Infrared thermography (IRT), a very cost effective, sensitive and non-invasive technique, has recently got attention of researchers for different veterinary and medical application for assessment of normal physiological as well as pathological status of animal. Thermal imaging is very sensitive in detecting temperature differences of less than 0.05°C which is forty times more sensitive than the human hand. It shows the animal's physiological state by graphically mapping skin surface temperature in response to changes in blood flow and allows early detection of lesions before they are clinically visible. Prognostic capability of IRT may identify many health issues on farm before the occurrence of distressing economic consequences.

COURSE CONTENT

- o Infrared Thermal Imaging - an overview
- o Basic Thermal Science
- o Applications of thermography
- o Thermal Imaging Devices - Introduction and operations
- o Capturing thermal images
- o Thermal image analysis techniques
- o IRT Softwares
- o The inflammation biology
- o Diagnostic thermal imaging in animals
- o Thermography for physical examination of animal health
- o Thermography for stress assessment
- o Thermography for lameness diagnosis
- o Thermography of udder and mastitis screening
- o Thermography for reproductive efficiency assessment



ELIGIBILITY

Applications are invited from Scientists/Faculty form Research Institutes/Veterinary Colleges/Veterinary Officers/Research Scholars belonging to the Scheduled Caste (SC) category of ICAR/SAUs/CAUs/State Animal Husbandry Departments and other Universities/Organizations.

NUMBER OF SEATS

15 Participants on first come first serve basis. If seats remain vacant, candidates form other categories can be considered against payment of ₹ 10,000 (Ten thousand rupees).

FINANCIAL ASSISTANCE

There is no bench fee. The participants will be paid TA for to and fro journey by shortest route (restricted to AC - III train fare). Participants should produce certificate that they are not being paid any allowance for this training.

LODGING & BOARDING

Free of cost at CIRB /university guest house to all participants (on sharing basis). Protective measures against Coronavirus will be followed during the training program.

HOST INSTITUTE

The ICAR-Central Institute for Research on Buffaloes was established in 1985 for improving buffalo productivity in the country through interventions in efficient nutrient utilization, assisted reproduction and extension technologies. The Institute has been recognized as an important policy input center for livestock improvement by several international agencies like ASEAN Secretariat, SAARC Agriculture Center and International Livestock Research Institute. The network project on buffalo improvement is coordinated by the Institute through fifteen centers across the country.

How to apply

All applications duly forwarded by concerned authorities should be sent to the Course Director by Email/Fax ON OR BEFORE 30th Nov., 2021. It is mandatory for applicants to submit a soft copy of SC community certificate issued by Central/State Govt. authorities and Aadhar card with filled application form. Candidates will be selected on first come first serve basis while also considering priority of all states. Participants are requested to book their tickets only after confirmation.





IMPORTANT DATES

- " Last date for receipt of application: 02.12.2021
- " Intimation of selection: 03.12.2021
- " Confirmation of participation by candidates: 04.12.2021

NOTE: Once selected, candidates will be intimated through email to which they should promptly reply with firm acceptance and travel plan.

HISAR CITY

Hisar is the administrative headquarters of Hisar district of Hisar division in the state of Haryana in northwestern India. It is located 164 km to the west of New Delhi, India's capital, and has been identified as a counter-magnet city for the National Capital Region to develop as an alternative center of growth to Delhi. The word Hisar means fort or castle in Persian. The Ghaggar and Drishadvati rivers once flowed through the city, but they have now changed their course. Hisar has a continental climate, with very hot summers and cold winters.

ADDRESS FOR CORRESPONDENCE

Course Director

Dr Ashok K Balhara

Senior Scientist, APR Division

Tel. +911662281643

Email: ashok.balhara@icar.gov.in

Course Co-Director

Dr SK Phulia

Principal Scientist, APR Division

Tel. +911662281643

Email: sphulia@gmail.com

Training Coordinator

Sh. Raj Kumar

Tel. 01662281636, Mobile No. 09466517706



APPLICATION / NOMINATION FORM

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HANDS ON TRAINING ON INFRARED THERMAL IMAGING APPLICATIONS IN ANIMAL HEALTH AND WELFARE ASSESSMENT

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Name

Designation

Sex : Male Female

Date of Birth

Aadhar Number

Complete
Address

Phone Numbers

E-mail

Educational
Qualifications

Experience
in teaching/
Research/
Treatment

Signature of the Candidate

Date :

Place :

(Signature of the Recommending Officer)

Name & Designation with Seal

NOTE : A separate letter of nomination from department is also acceptable, but it must have mobile number and email of participant

