

## Registration

The registration fee for different categories of participants are as follows:

Life Member SOCDAB:	Rs 4000/-
Non-Member:	Rs 5000/-
Corporate:	Rs 10000/-
Accompanying Person:	Rs 1500/- (Without registration kit)
Student:	Rs 2000/-
Online/Virtual:	Rs. 600/- (Compendium only)

## Accommodation

Participants will be required to arrange their own accommodation, however limited accommodation will be provided with Official Guest House/Hostel accommodation on first come first serve basis. Organizers can assist the participants in arranging their accommodation in suitable hotels in Karnal based on prior intimation and payment. Hotel charges will be in the range of Rs 2000 to 4000/- per day on twin sharing basis. Please send your request and payment for hotel accommodation not later than September 10, 2022.

## Bank Details

The registration fee and/or accommodation payment may be sent through Cheque/Demand Draft in favor of "SOCDAB-National Symposium 2022" payable at Karnal. OR Electronic payment (through RTGS/IMPS).

**Name of account holder:** SOCDAB-National Symposium 2022

**Account number:** 40844456352

**Name of the Bank/Branch:** SBI, Model Town, Karnal

**IFSC Code:** SBIN0001761

During electronic payment kindly mention "YOUR NAME-PLACE" and intimate us about the transaction with reference number through email at the earliest. Also produce the receipt as proof of payment at the time of registration.

**Please contact us at**  
**[socdab2022@gmail.com](mailto:socdab2022@gmail.com)**

**Dr. S K Niranjn**

Organizing Secretary

Principal Scientist (AG&B) ICAR-NBAGR  
[saketniranjn@gmail.com](mailto:saketniranjn@gmail.com); 9729000510;  
Tel (Office) 0184-2961000

**Dr. Vikas Vohra**

Joint Organizing Secretary

Principal Scientist (AG&B) ICAR-NDRI  
[vohravikas@gmail.com](mailto:vohravikas@gmail.com); 9729000511;  
Tel (Office) 0184-2259099

## ORGANIZING COMMITTEE

### Patron

Dr. B.N. Tripathi  
DDG (AS), ICAR-HQ, New Delhi  
Dr. M.S. Chauhan  
Director, ICAR-NDRI, Karnal

### Convener

Dr. B.P. Mishra  
Director, ICAR-NBAGR

### Organizing Secretary

Dr. S K Niranjn  
Principal Scientist  
ICAR- NBAGR, Karnal

### Joint-Organizing Secretary

Dr. Vikas Vohra  
Principal Scientist  
ICAR-NDRI, Karnal

### Co-organizing Secretary

Dr. Amod Kumar  
ICAR-NBAGR, Karnal

### Treasurer

Dr. Rani Alex, ICAR-NDRI, Karnal

## SOC DAB OFFICE BEARERS

### President

Dr. B.P. Mishra  
Director, ICAR-NBAGR, Karnal

### General Secretary

Dr. R.K. Pundir  
ICAR-NBAGR, Karnal

### Vice President (s)

Dr. C.V. Singh (North Zone)  
Dr. S.C. Mehta (West Zone)  
Dr. R. Vinoo (South Zone)

### Joint Secretaries

Dr. A.K. Mishra, NBAGR     Dr. R.S. Barwal, GBPUA&T

### Treasurer

Dr. A.K. Mishra, NBAGR, Karnal

### SOC DAB Executive Committee

Dr. G.K. Gaur, Dr. S.S. Tomar, Dr. Umesh Singh, Dr. K. Sudhakar  
Dr. Lata Sharma, Dr. Neelam Gupta, Dr. R.A.K. Aggarwal  
Dr. K.N. Raja, Dr. D.K. Yadav, Dr. Monika Sodhi



*XIX Annual Convention (SOCDAB)*

**National Symposium**

*on*

**Contemporary Technology for Animal Genetic Resource (AnGR) Management**

**(21-22<sup>nd</sup> September, 2022)**



**Organized by:**



**ICAR-National Bureau of Animal Genetic Resources**

**Karnal – 132001 (Haryana)**

## WARM INVITATION

Dear Colleagues and Friends,

Warm welcome to the annual convention of Society for Conservation of Domestic Animal Biodiversity (SOCDAB-2022)!

On behalf of the society, it is our pleasure to announce that ICAR-National Bureau of Animal Genetic Resources (ICAR-NBAGR), Karnal is now organizing “19<sup>th</sup> Annual Convention of SOCDAB and National Symposium on “**Contemporary Technology for Animal Genetic Resource (AnGR) Management**” during **September 21-22, 2022** on the occasion of its 39<sup>th</sup> Foundation Day.

We are pleased to invite scientists, academicians, young researchers, and industry partners to participate in this annual meeting of SOCDAB and National Symposium at ICAR-NBAGR, Karnal. The delegates, who are unable to join physically or due to COVID-19 management may also join through virtual mode.

## ABOUT THE CONFERENCE

As we step into the 75<sup>th</sup> year of India’s independence, we salute the indomitable spirit of Indian scientists, philosopher, educators and academicians who in their own unique way, participated in the development of animal sciences discipline in India. To acknowledge and cherish this singular facet of science, SOCDAB in partnership with ICAR-NBAGR, Karnal is organizing the National Symposium on “Contemporary technology for Animal Genetic Resource (AnGR) management” during September 21-22, 2022. The Symposium aims to focus on “Mission towards Zero Non-descript AnGR” and draw attention to all the stakeholders to use the state-of-the-art frontiers in science and technology to meet the current and future challenges of sustainable utilization and management of AnGR. The SOCDAB has a broad mandate of generating mass awareness about domestic animal biodiversity among various stakeholders as well as general public, is organizing its XIX Annual Convention as a National Symposium and Webinar (particularly for the participants from Covid-19 affected states). The Symposium will include invited lectures by eminent professionals and contributory oral and poster presentations.

## THEMATIC TOPICS

The deliberations of the conclave will primarily focus on:

### Technology for sustainable utilization of AnGR

Application of new scientific concepts and technologies developed for the livestock can be an excellent tool for utilizing and profiting the animal genetic resources of our country. The methods in genetic, proteomic, microbiological, nutritional, physiological, and biotechnological technologies can unravel our basic understanding about native AnGR. The cost-effective technologies shall help in automation of livestock and poultry farms, leading to efficient farm economics.

## ABOUT KARNAL

Karnal is considered as the land of the great Danveer ‘Karna’ of Mahabharata fame and was famous by the name of Ang Pradesh during the Mahabharata era. Karnal city is proud locations of many ICAR Institutes, reflecting all the facets of Indian Agriculture. It has the honour of having four National & Central Institutes and three regional stations of National Agricultural Research System (NARS). Karnal is well connected to New Delhi and Chandigarh by rail as well as by road. It is located at almost equidistance from the two cities, about 125 km from either side. During the month of September, the weather is pleasant at Karnal.

### Characterization and improvement of native breeds to strengthen national food systems

Characterization and evaluation of AnGR helps in identifying and cataloguing the worth of our farm animal genetic diversity, by doing so, we may prevent the bio-piracy of our native AnGR. This can be followed by systematic breed improvement through breeding, feeding, management and health strategies. It is also felt for a need to strengthen the national food systems of our country through characterization and improvement of livestock and poultry genetic resources. Conservation of biodiversity of AnGR for posterity is must and their documentation of its unique attributes is a need of the day.

### Omics for diversity and enhanced productivity in livestock and poultry genetic resources

Technologies that measure some characteristic of a large family of cellular molecules, such as genes, proteins, or small metabolites, have been named by appending the suffix “-omics,” as in “genomics, proteomics, transcriptomics, metabonomics, Glycomics, Lipomics etc.” Omics refers to the collective technologies used to explore the roles, relationships, and actions of the various types of molecules that make up the cells of an organism. Omics technologies provide the tools needed to look at the differences in DNA, RNA, proteins, and other cellular molecules between species and among individuals of a species. It is envisaged that the Omics along with bioinformatics and computational biology will play a key role in productivity enhancement of livestock and poultry.

### Brain Storming Session (BSS)

During the National Symposium a BSS will be organized where a group of expert panellists will deliberate on the topic “Breed Watch-list: Status and Way Forward” which happens to be a strategic priority of Global Plan of Action for AnGR.

### National AnGR Quiz Competition

A National level quiz competition for UG students of SAU/SVU will be held prior to the National Quiz, four zonal quiz competition will be held. The students will be quizzed on “**Animal Genetic Resources of India**”. The zonal winners (teams of 2 students + 1mentor) shall be competing during the conference. Travel grant for the Zonal winners (students only) to attend the National Symposium 2022 by Railway (AC 3tier), will be provided by the SOCDAB society.

## RESEARCH AWARDS AND OPPORTUNITIES

**Best Oral and Poster Presentation:** To encourage research and scientific aptitude of the thematic area among the researchers, Society confers different awards to the participants. The first and second best oral and poster presentations in each technical session will be awarded with cash prize and certificates.

## ABOUT ICAR-NBAGR

Established on 21st September 1984, ICAR-NBAGR is working with a mission to protect and conserve indigenous Farm Animal Genetic Resources for sustainable utilization and livelihood security, with many important national and international commitments, to date. The bureau has achieved a number of milestones, including registration and Gazette Notification of 202 native animal breeds and 2 varieties of the country. Apart from the research, NBAGR is actively involved in creating awareness about the indigenous livestock, their upkeep and conservation. The institute is located on the GT Road, National Highway-44 with a distance of about 5 KM from Railway station.

### On-line poster session

Along with physical poster session, a separate online poster session will be organized for those participants attending the conference through virtual mode. The recorded video message can be sent to the organizers, of duration not more than 10 minutes, explaining the results / contents of online posters.

### SOC DAB Fellow Award (2022)

Society had invited the application on the prescribed format. Applications will be judged based on the score card for SOCDAB-FELLOW, being circulated separately by the society.

### Young Scientist Award (2022)

To inspire the young researchers, SOCDAB has the ‘Young Scientist Award’. Lead/First Author must be below 35 years of age (as on 01.1.2022) and life member of the Society. Full paper should be submitted with marked clearly as “For Young Scientist Award”. Authorship is limited to two only and work presented should be unpublished from the thesis/ research project of the scientist. Kindly note that abstracts of all the research articles received in this category will be published in the Compendium of the Symposium, whereas, it will be mandatory to submit the full text articles to the Journal of Livestock Biodiversity being published by the society.

### Dr. D. S. Balain Memorial Award (2021)

The Society shall award Dr. D.S. Balain Memorial for the Best Research Scientist in any Animal Sciences discipline. Applications for the award will be invited separately from the life-members of society. The awardee will be honoured with a citation and cash prize.

## PRESENTATION OF ABSTRACTS

Abstracts received would be presented for oral as well as poster presentations. The same would be informed to the corresponding author. The time allotted for paper/poster will be 10 minutes including discussion for 3 minutes. For e-posters, facilities for LCD projection will be provided. The e- posters should reach to the Organizing Secretary by **15<sup>th</sup> September, 2022**. Display boards of 3’x4’ size (height x width) will be provided for presentation of print posters.

