



Conference Jointly Hosted By



Collaborating Organisations

Indian Society of Soil Salinity and water Quality, Karnal

Maharana Pratap University of Horticulture and Technology, Karnal

National Bureau of Animal Genetic Resources, Karnal

Agricultural Technology Application Research Institute, Ludhiana

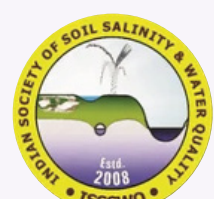
Central Coastal Agriculture Research Institute, Goa

Organizing Committee

| Name | Designation |
|-----------------------|---|
| Dr. Gurbachan Singh | Founder Chairman GSFRED - Chairman |
| Gourav Gupta | Managing Director, ARCC, Karnal |
| Dr. S.K. Malhotra | Vice Chancellor, MPUAT, Karnal |
| Dr. J.S. Samra | Former DDG (Natural Resources Management), ICAR |
| Dr. B.R. Kamboj | Vice Chancellor, CCSHAU, Hisar |
| Dr. Inderjeet Singh | Vice Chancellor, Bihar Animal Sciences University, Patna |
| Dr. M.L. Madan | Former Deputy Director General , (Animal Sciences), ICAR |
| Dr. Jeet Singh Sandhu | Former DDG (Crop Sciences), ICAR |
| Dr. R.K. Yadav | Director, CSSRI, Karnal |
| Dr. Ratan Tiwari | Director, IIWBR, Karnal |
| Dr. N.H. Mohan | Director, ICAR-NBAGR, Karnal |
| Dr. Parvender Sheoran | Director, ICAR-ATARI, Ludhiana |
| Dr. P.C. Sharma | Ex Director, ICAR-CSSRI, Karnal |
| Dr. Parveen Kumar | Director, ICAR-CCARI, Goa |
| Dr. H.S. Jat | Director, ICAR-IIMR, Ludhiana |
| Dr. Gyanendra Singh | Former Director, ICAR-IIWBR, Karnal |
| Dr Arjava Sharma | Former Director, ICAR-NBAGR, Karnal |
| Dr. S.K. Yadav | Head, IARI Regional Research Center, Karnal |
| Dr. M.L. Chhabra | Head, Regional Centre, Sugarcane Breeding Institute, Karnal |
| Tanu Ahuja | Conference Coordinator |



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About Climate-Smart Agriculture (CCSA-2K26)

There has been a steady increase in the emission of green house gases like carbon dioxide, methane and nitrous oxide in the environment. Agriculture is reported responsible for upto almost half of all methane missions. The climate change prediction over India indicate that temperature rise is likely to be around 30 C and rainfall increase is expected by 10-20 per cent over central states of India by 2100 A.D. Already, the climate change triggered frequency of weather related events like floods, droughts, frost, cold and heatwaves has considerably increased during last three decades. Continuation of such trends associated with rise in temperature is expected to melt ice, glaciers, re-distribute water flow in rivers, raise sea levels, sub-merge coastal habitats, islands, generate tsunamis and dislocate human and livestock settlements. Predicted spatial redistribution of precipitation, droughts, floods and water balance will change land use, pests, diseases and other ecological parameters. These scenarios will necessitate the need to devise research strategies to deal with predicted changes and to develop climate resilient practices to sustain agricultural productivity and to achieve food, nutrition, health and environment security in 21st century.

Adaptations of agriculture to climate change will call upon pro-active or anticipatory research on enterprises, commodities, crops, varieties and farming systems insensitive to cold, heat, disease, pests and moisture stresses. Agronomic manipulations such as improved fertilizer use to reduce emissions of methane and nitrous oxide, irrigation management for minimum methane production and conservation/regenerative agriculture practices will be highly demanding for achieving desired goals. Ex-situ and in-situ harvesting and conservation of rainwater, raising horticulture and agroforestry plantations on all kinds of wastelands to sequester carbon, substitution of fossil fuels with bio-fuels, weather based forewarning for agricultural practices and operations can play a significant role in making agriculture climate smart. Creating awareness about dangers of predicted climate change and mobilizing community effort will go a long way in tackling climate change at local, regional, national and global scale. Human resource development and capacity building of sensitive communities is called upon. Keeping in view the above, a two day national conference on climate smart regenerative agriculture is being organised to provide the researchers, professionals, students, farmers and other stake-holders an opportunity to share their results and experiences with larger audience.



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About Gurbachan Singh Foundation for Research, Education and Development (GSFRED)

Dr. Gurbachan Singh Foundation was launched during a retirement thanks giving ceremony of Dr. Gurbachan Singh on 20th November, 2017 in the presence of about 250 scientists, research managers, educationists, civil society representatives, farmers, family members and students. It is worthwhile to share that the Founder Chairman Dr. Singh retired after serving in ICAR and Government of India for about 38 years. The notable positions which Dr. Gurbachan Singh occupied during his active professional career included: Chairman, Agricultural Scientists Recruitment Board (ASRB), New Delhi; Agriculture Commissioner, Government of India; Director, ICAR-CSSRI, Karnal and ADG (Agronomy), ICAR, New Delhi. He established this Foundation to continue his interest in research and academics and to pay back to the society after retirement.

The GSFRED was established with a mission to promote upscaling of scientific innovative interventions for skill & entrepreneurship development amongst rural youth including women, farmers and students to contribute towards achieving Sustainable Development Goals (SDG's) of alleviation of poverty, malnutrition, unemployment and conservation of natural resources for safe environment. To achieve this mission, the Founder Chairmen purchased 6.5 acre land near Kachhwa Town, Karnal using his retirement benefits and other savings of the family. A state of the art facilities of modern research farm, laboratories, conference halls, seminar hall, committee room, library, museum, seed processing plant, cattle sheds, fish pond etc. have been created on this piece of land.

During last about 7 years, the GSFRED research and development focus remained on location specific observations on weather parameters and correlating those variations with pheno-phases of different crops and their varieties. Based upon these observations, climate smart regenerative agricultural innovations and technologies have been generated and communicated to the farmers and other stake-holders. An integrated farming system model has been developed to double farmers income, decreasing cost of cultivation by about 60 percent, way forward for resilience to climate change and organic/natural farming. Similarly, a climate smart model has been developed to save irrigation water by about 45 percent in rice-wheat system coupled with rejuvenation of organic carbon and nutrient depleted reclaimed sodic soil. The delegates will have the golden opportunity to see live experiments and demonstrations established at the research farm (venue of the conference) on climate smart regenerative agriculture. The GSFRED regularly share these climate smart agricultural practices through its capacity building and skill development training programs, by organising Kisan Melas, school students regular visits, conducting brain storming sessions, group meetings, workshops and seminars.

The GSFRED research centre has truly become a central platform for exchange of agricultural innovations and technologies amongst the scientists of the region and its onward transfer to farmers and other stakeholders in the country and abroad. The centre is also serving as an agro eco-tourism facility for this part of the country. It is worthwhile to share that GSFRED research centre is functioning without any outside funding from public and private sectors. The entire expenditure is covered from monthly pension of Founder Chairman and revenue generated at the research centre.



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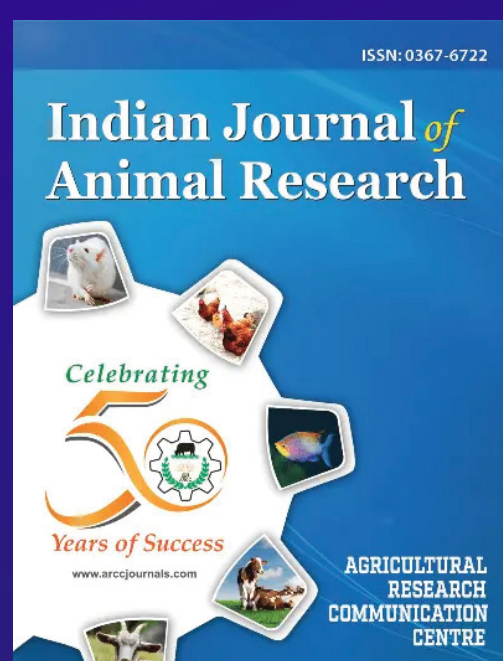


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About Agricultural Research Communication Centre (ARCC Journal)

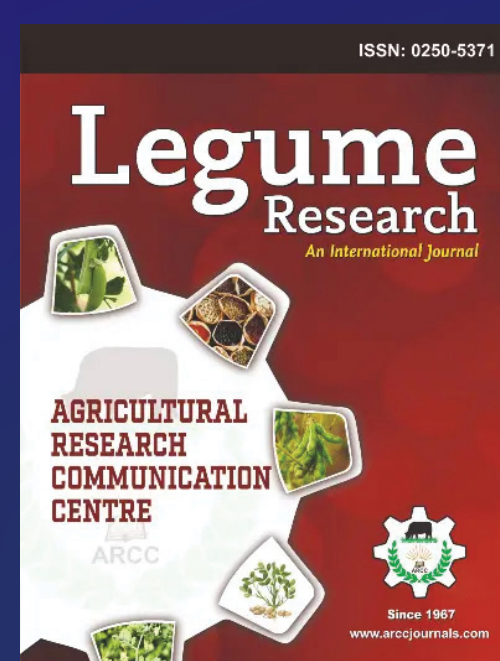
ARCC Journals (Agricultural Research Communication Centre) is a consortium of agricultural and animal research centres and institutes based in India. The organization was founded in 1967 with highly experienced scientists from all over India on its editorial board to foster communication and collaboration among research institutes focused on agricultural, veterinary, dairy, foods, and related fields.

ARCC has been publishing academic journals since its founding, starting with the publication of the following journals:



Indian Journal of Animal Research

(NAAS Rating: 6.50)



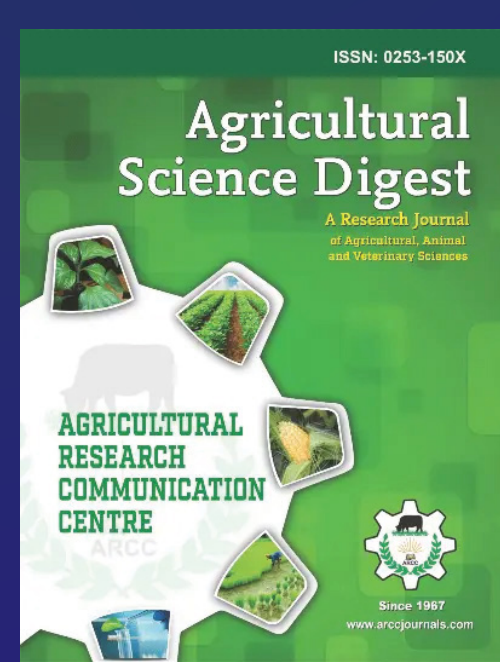
Legume Research

(NAAS Rating: 6.00)



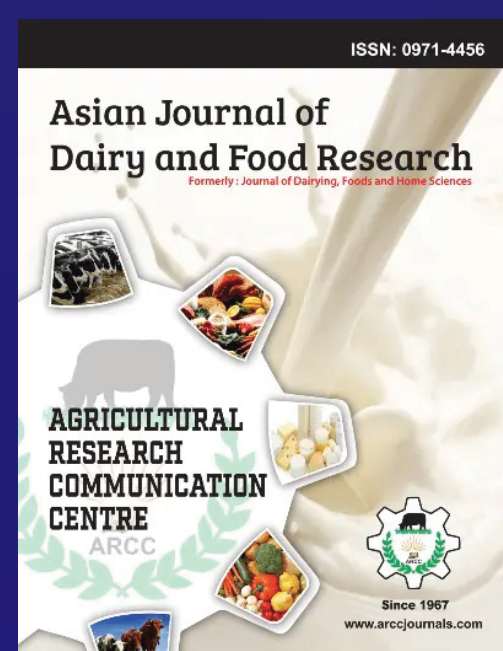
Indian Journal of Agricultural Research

(NAAS Rating: 5.60)



Agricultural Science Digest

(NAAS Rating: 5.52)



Asian Journal of Dairy and Food Research

(NAAS Rating: 5.44)



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CONFERENCE SUB THEMES

The two day conference will have seven technical sessions and two panel discussions as mentioned below. While submitting the abstract / paper for presentation, the participants need to mention the technical session in which paper will be presented.

Technical Sessions

- Climate-Smart Regenerative Agriculture
 - Integrated Farming Systems (Crops, Trees, Livestock)
 - Water, Soil, Conservation Agriculture & Crop Diversification
 - Climate-Resilient Plants, Crops, Varieties & Livestock
- Food, Nutrition, Human & Livestock Health
 - GHG Emissions, Air Pollution & Environment Conservation
 - Digital Solutions, AI & Technology Transfer

Panel Discussions

- One Health One Planet
- Policy, Economics and Sustainability

Abstract Submission

Abstract submission is open upto February 25, 2026 through following link. The interested participants may submit the abstract (250 words) of the paper they intend to present in the conference. The abstracts / full length papers presented in the conference will be published in the proceedings of the conference. Selected papers will also be published in the high impact peer reviewed journals published by ARCC after peer review by experts and editors.

"Abstract may be submitted directly to the e-mail ID mentioned: gsfred26@gmail.com

Sponsorship Opportunity

There is an opportunity to give advertisements in the Souvenir / Abstract book of the conference, which will contain articles and messages from top experts / eminent scientists from India and abroad. Interested companies and organisations may contact GSFRED Secretariat at, **Tanu Ahuja (tanu@garcx.com)**

Become Exhibitor

Exhibiton Charges : 10,000 (15 x 15 ft booth with two chairs and one table)

Advertisement Opportunity

The Conference Souvenir featuring messages from dignitaries and articles by renowned scientists, research / development managers and policy makers, serves as a permanent reference for delegates. Institutes, Universities, Organisations and Companies are invited to place advertisement in the souvenir to gain visibility.

| For Advertisement | |
|-------------------|--------|
| Category | Prices |
| Cover Page | 40,000 |
| Full Page | 25,000 |
| Half Page | 15,000 |



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Registration Fee

| Categories | Registration Fee for Indians (INR) | After Due Date or On-Spot Registration (INR) | Registration Fee for Foreigners (INR) | After Due Date or On-Spot Registration (INR) |
|--|------------------------------------|--|---------------------------------------|--|
| Scientists and Professionals | 4000 | 5000 | 15000 | 20000 |
| Students/ Research Fellows Retired Professionals | 2000 | 3000 | 5000 | 10000 |
| Farmers | 1000 | 1200 | | |
| Industry and Private Sector | 10000 | 15000 | 20000 | 25000 |

Registration Inclusions

- Full Access: Entry to all conference sessions, including keynote talks, oral presentations and panel discussions
- Networking Opportunities: Engage with global experts, researchers, and industry professionals
- Conference Materials: Delegate badge, program schedule, and access to abstracts
- Catering: Coffee breaks and lunch on both conference days
- Conference Proceedings: Online access to presentation materials and published papers after the event
- Poster Presentation: Opportunity to showcase your research during a dedicated poster session

Note: Accommodation Charges are not included in registration fees. Participants have to make their own arrangements for accommodation.

How to Register

To complete your registration, please make the payment via the QR code below or to the account details mentioned.

| | |
|---------------------------|--|
| Name of Account Holder | Gurbachan Singh Foundation for Research, Education and Development |
| Name of the Bank & Branch | ICICI Bank , 12 Sector, Karnal |
| Account Number | 017305501036 |
| IFSC Code | ICIC0000173 |



SCAN & PAY

FOR MORE INFO:

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(Conference Coordinator)

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