



# International Conference

or

Feeding the Future through Sustainable Eco-friendly Innovations in Rangeland, Forages and Animal Sciences



Date:

2-4 December, 2023

Venue:

University of Agricultural Sciences,
Bangalore

Organized by



Range Management Society of India, Jhansi, India



ICAR- Indian Grassland and Fodder Research Institute Jhansi 284003 (Uttar Pradesh), India



# In collaboration with



University of Agricultural Sciences, GKVK, Bengalore, India



Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar, India



**Genome India International, India** 



**Alliance Bioversity International – CIAT** 



**International Center for Agricultural Research in the Dry Areas** 

### About the Symposium

Today, more than 800 million people across the world still go to bed hungry each night. Ending global hunger is one the greatest challenge of our time and agriculture is at the heart of the solution. Growth in agriculture has been shown to be at least twice as effective at reducing poverty as growth in other sectors. The possibility to expand aerable land to feed growing population is less. But the issue of hunger can be addressed by application of science in rangelands and animal production. Recognising the importance of rangelands, the United Nations has declared year 2026 as an international year of Rangelands and Pastoralism. Animal production in tropical countries today is seen as saviour of soil and environment. The efficient ways of animal production is linked to rangelands and forages. Number of emerging technologies in these domains needs to be integrated and exploited to produce enough food for the population in a sustainable mode. In this backdrop, captioned international conference is being organized.

# Themes of the conference and special sessions

# Theme 1: Trends in rangeland/grassland science

- Geospatial tools and techniques
- Environmental footprints of grassland systems and climate change
- Pastoralism and contemporary grazing systems
- Ecosystem services: Challenges and opportunities
- Sustainability, soil carbon utilisation and restoration

### Theme 2: Forage sustainability, innovations and initiatives

- Resilient forage production systems/sustainable forage agronomy
- Livestock based farming Systems
- Secondary agriculture in forages: post-harvest mechanisation, processing, preservation and marketing
- Farm mechanisation
- Forage seed science and physiology
- Forage seed production and processing

### Theme 3: Innovations and opportunities in forage crop improvement

- Conventional and pre-breeding approaches for varietal development
- Breeding for stress resilience
- PGR, CWRs, genetics and genomic resources
- Marker assisted breeding, genome editing for targeted traits, genomic selection

### Theme 4: Recent advances in Veterinary and Dairy Sciences for enhanced milk and meat production

- Livestock/poultry genomics and Pharmacogenomics
- Development of diagnostics diseases using biotech and nanotech tools
- Advances in breeding, feeding, disease management and animal nutrition
- Technologies for value addition, enhanced shelf-life and quality assurance of livestock and poultry products
- Dairy processing, technology and mechanization

### Theme 5: New vistas and technologies in forages and animal sciences

- Omics technology
- Bio-energy forages
- Embryo biotechnology/cloning technology
- Cryopreservation

- Machine learning, AI and drones
- Allele mining for abiotic/biotic stress
- High pressure processing
- Precision Farming

# Theme 6: Revisiting the roots in rangelands, forages and animal sciences

- Indigenous traditional knowledge (ITKs)
- Livestock based natural farming and organic farming
- Traditional, indigenous, under-utilized, non-conventional and future smart forages
- Regenerative forage production systems
- Silvopastoralism and agroforestry
- Cactus as a food, fodder, fuel, and fertilizer

# Theme 7: Socio-economic issues and policy perspectives in rangelands, forages and animal sciences

- New institutional innovations in technology dissemination
- Farmer producer organisations in livestock sector
- ICT for technology dissemination
- Economics, marketing and value chain systems
- Technology adoption and impact
- Policy and industry environment

### **Special sessions**

- 1. Farmers and Industry for future
- 2. Harnessing the untapped potential of millets for food security, nutrition and sustainable agriculture
- 3. Young innovators/scientists for advancing science for future

For details of the special sessions and availability of sponsorship for post graduate students (India and aborad) to participate in conference, please click on the link provided <a href="https://forms.gle/8VP5KKEb65KjoHL78">https://forms.gle/8VP5KKEb65KjoHL78</a>

#### Call for Abstracts

Abstracts in above thematic areas are invited for submission. Abstract in MS word (Font size, 12, Times New Roman, single line spacing) should contain an Introduction (50 words), Methods (100 words), Results and Discussion (200 words), Conclusion/Recommendation (50 words) and 3-4 Keywords. In no case the extended abstract should exceed 400 words (excluding title, authors and affiliations). Authors should register using the google form and submit abstract through the link provided. The authors can download the sample abstract from <a href="https://rmsi.in/sample-abstract-for-international-conference/">https://rmsi.in/sample-abstract-for-international-conference/</a>.

# **Important Dates**

Last date for Submission of Abstracts: 15<sup>th</sup> September, 2023
Last date for Communication of acceptance: 30<sup>th</sup> September, 2023
Last date for Early bird Registration: 15<sup>th</sup> October, 2023
Last date for Registration: 30<sup>th</sup> October, 2023
Last date for Full length paper submission: 15<sup>th</sup> November, 2023

Click on the link or Scan the QR

Abstract submission: https://forms.gle/vEqJKE8CRSCWUM6S9

Registration: https://forms.gle/qBEbUxr4KQrj6Njw5

Awards: For every theme, one best oral and one best poster presentation will be awarded.

A special issue of Range Management and Agroforestry journal (impact factor 0.583 and citation index 0.24) will be published from the conference papers. Best papers selected by the editorial board would get place in this special issue after a professional peer review process. So, participants are encouraged to submit best original papers for the conference.

### Registration Fee (non-refundable):

Participants are requested to transfer the exact amount of registration fee (Bank transfer/handling charges should be paid separately by the delegates) in the bank details given below through direct online payment.

Category	Amount	Category	Amount
Early bird registration			
International participants	USD 250	National Participant	INR 8000
Regular registration			
International participants	USD 275	International students and research scholars	USD 200
International accompanying person	USD 200	National Participant	INR 9000
National-accompanying person	INR 5000	National- students and research scholars	INR 4000
On Spot Registration	INR 10000	Corporate	INR 15000

### Account details for payment

Account holder name: Organising Secretary, International Conference on Feeding the future through SEI in RFA sciences

Bank Name: State Bank of India Account No.: 41939303968

IFSC code: SBIN0003151 MICR code: 58000230

#### Accommodation

Delegates may send their travel plan and accommodation needs to **rmsiconf@gmail.com** in advance to make accommodation arrangements on payment basis. You may also book accommodation on your own.

#### **Special Attractions**

### Post-conference visit to Shola Grassland, Karnataka, India (Extra Payment):

The Shola grasslands are tropical montane forests found in the high altitudes of Western Ghats separated by rolling grasslands. These unique ecosystems act as the home for many of the floral and faunal endemic species and also serve as the water reservoir for the Nilgiri Biosphere Reserve.

#### Pre-conference meet for industry at Jhansi, Uttar Pradesh, India

#### **About Organisers**

### RMSI, Jhansi:

The Range Management Society of India (RMSI) is one of the earliest (1978) and reputed agricultural societies in India. It publishes Range Management and Agroforestry journal, an A category journal of NAAS/ICAR with NAAS rating of 6.58 (2023). It has organized several conferences in the past, a few worth mentioning are 3<sup>rd</sup> International Rangeland Congress in 1988, International Conference on Agroforestry for the Asia-Pacific region in 1994 and 23<sup>rd</sup> International Grassland Congress (IGC) in 2015 in New Delhi.

#### **ICAR-IGFRI**, Jhansi

IGFRI is a national institute under the administrative control of Indian Council of Agricultural Research. It has highly experienced and internationally trained human resources engaged in need-

led, participatory, inter-disciplinary research programs. With more than 50 years of experience, today it stands as the premier R&D institution in forage research and development in South Asia. Its Regional Research Stations are located at Srinagar (Jammu and Kashmir), Dharwad (Karnataka), Avikanagar (Rajasthan) and Palampur (Himachal Pradesh).

### **UAS, GKVK Bengaluru**

The University of Agricultural Sciences, Bangalore established in 1963 is one of the earliest Agricultural Universities in the country. It has jurisdiction of ten southern districts of Karnataka covering 51 Lakh hectares of geographical area. It offers six bachelor's degree programmes, 26 masters' programme and 17 doctoral programmes through its five constituent colleges. The University has been bestowed with Sardar Patel outstanding ICAR Institution Award – 2002 and 2012 by the Indian Council of Agricultural Research, New Delhi.

### KVAFSU, Bidar

Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar is a young university established with the mission to keep pace with new frontiers of science in the fields of Veterinary, Animal, Dairy and Fisheries Sciences in Karnataka. University is strongly committed in absorbing newer paradigms and using them to develop excellent human resource, innovative technologies and their dissemination, so as to serve the livestock and fishery farming community of the state and the country.

#### **Genome India International**

Genome India International (GII) is a professional society established to advance genome science in the country and provide support to genome scientists so that, their work is recognised globally. It fosters collaborative endeavours and act as a converging point for academia, private entrepreneurs, media and national and international funding agencies involved directly or indirectly in genome science.

### Alliance Bioversity International - CIAT

Bioversity International and CIAT (The International Center for Tropical Agriculture) joined forces in 2019 to create The Alliance of Bioversity and CIAT, a global organisation building on their complementary mandates and long collaboration, to respond to today's global challenges of climate change, biodiversity loss, environmental degradation and malnutrition. It delivers research based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people's lives.

# International Center for Agricultural Research in the Dry Areas - ICARDA

ICARDA is an international organization undertaking research for development. They provide innovative, science-based solutions for countries across the non-tropical dry areas. Their research aims to reduce poverty and enhance food, water, and nutritional security and environmental health, in the face of global challenges, including climate change.

# About Bengaluru - The Garden/Silicon City

Bengaluru, the capital of Karnataka is one of the most populous city and urban agglomeration in India. Located on the Deccan Plateau at an elevation of over 900 msl, it enjoys a salubrious climate like no other city in the country and is one of the most cosmopolitan city. Populalry known as the "Silicon Valley of India" or "IT capital of India" as it is leading information technology (IT) exporter. The city is also known for its parks, hills and nightlife. The temperatures in Bangalore in December are comfortable with low of 17°C and high up to 27°C with few rainy days. Here are some of the iconic structures in Bangalore that you should not miss out on.

### Places to visit



Shivoham Shiva Temple



**ISKCON Temple** 



Bannerghatta National Park



Bangalore Palace



Lalbagh Botanical Gardens



Commercial Street

### For any assistance/query please reach out to-

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E-mail to secretary.rmsi@gmail.com and rmsiconf@gmail.com.

### **Sponsorship and Advertisement:**

Interested person may contact organizing secretaries and send their expression of interest to secretary.rmsi@gmail.com and rmsiconf@gmail.com.

Sponsorship categories	Logo position in banner/ souvenir book	Rate	Benefits
Platinum sponsor	Logo in Banner + Full Page advertisement	5 lakh	Registration of 5 Participants
Gold sponsor	Logo in Banner + Full Page advertisement	3 lakh	Registration of 3 Participants
Silver sponsor	Logo in Banner + Full Page advertisement	2 lakh	Registration of 2 Participants
Bronze sponsor	Logo in Banner + Half Page advertisement	1 lakh	Registration of 2 Participants
Back cover page of souvenir book	Full page	75000/-	Exhibition stalls/ Standees
Inside souvenir book	Full Page	50000/-	Exhibition stalls/ Standees
Bag Printing	Logo and Name on Bag	50000/-	
Session Sponsor	Session Sponsor for Lunch or Dinner	At Actual	Exhibition stalls/ Standees

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