

# Prof. Dr. Kirti Singh Memorial Lecture

&

## National Seminar

On

### Natural & Organic Farming for Sustainable Agriculture

(29<sup>th</sup> December, 2023)

*Jointly Organized by*

**Royal Association  
for Science-Led Socio-Cultural  
Advancement (RASSA), New Delhi**

**ICAR- Indian Institute of Sugarcane  
Research, Lucknow**

&

**Society for Sugarcane Research &  
Promotion, New Delhi**

at

**ICAR- Indian Institute of Sugarcane  
Research, Lucknow**

### Background

Natural and organic farming has emerged as an alternative system of farming that addresses the quality and sustainability concerns and also ensures a better future prospect for small land holders with increasing awareness about the safety and quality of food, improving health issues, the long-term sustainability of the ecosystem, climate change and increasing global warming. It has come out as most important alternative to agro-ecological sustainability to address climate change as well as chemical-free agriculture. According to National Institution for Transforming India, Natural farming is a chemical-free traditional farming method. It is considered as agro-ecology based diversified farming system which integrates crops, trees and livestock with functional biodiversity. This system of farming offers opportunities to reverse the degenerative impacts of modern agriculture by focusing on the use natural agro-inputs and reduces the dependence on chemicals which are harmful to the soil, water and ecosystem.

There has been a significant rise in awareness and interest in the country about organic and natural farming in recent years. There is growing concern about the environmental impacts of modern agriculture namely; soil degradation, water pollution and loss of biodiversity. Consumers are becoming more conscious of the food they consume and its impact on their health. With reduced dependency on expensive inputs and focusing on regenerative practices, farmers can achieve improved yields, cost savings and enhanced soil fertility. Role of extension acquires a crucial role in sustaining the momentum and facilitating knowledge exchange and networking among farmers practicing organic and natural farming. Farmers can learn best practices and collectively address challenges faced in transitioning to organic and natural farming.

ICAR institutes, Agriculture Universities, Krishi Vigyan Kendras, National Institute of Agricultural Extension Management (MANAGE) and National Centre for Organic & Natural Farming (NCONF) have taken initiatives for assessing and promotion of natural farming. The results of the experiments and demonstrations are encouraging.

The Seminar will deliberate on the themes listed in the seminar communication. The Seminar will also bring in experts from various sectors that are driving the organic and natural agricultural movement. Thus, it is expected that the Seminar will meet the interest and needs of a wide range of disciplines and sectors. High-quality deliberations in thematic and plenary sessions are expected to enlighten and empower the agriculture professionals to come out with appropriate locally-relevant strategies/models for effective implementation of organic and natural farming.

### About RASSA New Delhi

Royal Association for Science-led Socio-cultural Association is a multidisciplinary multifaceted association involved in upliftment of income and life of agrarian and rural people through science-led interventions **since year 2016**. One of the aims of the association is to act as tool to disseminate the technologies and inventions to the real beneficiaries as quickly as possible to enable them realize the fruits of research for larger benefits of the society. In this quest, the association publishes a technical journal "RASSA Science for Society" and a quarterly



information bulletin "Rajarshi Sandesh" in addition to organization of annual Seminar cum conference on important topics of concern to the rural people and environment. RASSA has organised successfully National seminars at BBAU Lucknow in Year 2017, JNU New Delhi in year 2018, SKUAT-J Jammu in year 2018, BHU Varanasi in year 2019 and SDAU SK Nagar Gujrat in year 2022. In addition to offline seminar, online seminars were also organised by RASSA in collaboration with Mahatma Gandhi Central University Motihari, Bihar.

### About ICAR-IISR and City of Lucknow

ICAR-Indian Institute of Sugarcane Research is located in Lucknow in the state of Uttar Pradesh, India. **Since its inception in 1952**, the Institute has been working on research & development and upliftment of sugarcane agriculture and has made an indelible impression to the overall agriculture scenario of the country, transforming sugarcane agriculture in a way that today India has become self-sufficient in sugar with surplus sugar for export. Lucknow is the capital city of Uttar Pradesh also known as the city of Nawabs in India. It has a warm humid sub-tropical climate with cool dry winters from December to February, dry hot summer from April to June and rains during July to September. During October the city experiences mild cold. Participants are advised to come prepared accordingly.



### About Society for Sugar Research & Promotion (SSRP), New Delhi



Society for Sugar Research and Promotion was established in **1999** at New Delhi, India with the aim to establish "Sustainable development of sugar and integrated industries through application of scientific knowledge and improved technologies to augment production efficiency of sugar crops, sugar, green energy and value-added products for holistic growth of farming community". SSRP also publishes an international journal **Sugar**

**Tech** with collaboration of Springer-Nature. SSRP also organizes national and international conferences all over the world on different aspects of sugar crops and related industries and provide consultancy services in the field of agriculture, training and editing services for scientific literature.

### Call for Abstract/Full Paper

Abstracts of research/cases/development initiatives/policy initiatives followed by full-length papers of the accepted abstracts related to the themes will form the main content of the Seminar. Abstract not exceeding 300 words typed in MS Word documents with Arial Font & 11 Font Size shall be submitted by email to the seminar e-mail which will be published in the Souvenir. Acceptance of the Abstract will be virtually communicated to the presenting author. All Abstracts/papers should be submitted to the Editorial office at email id <[rassaseminarlko2@gmail.com](mailto:rassaseminarlko2@gmail.com)>; before last date.

**Theme-wise award will be given on presented paper (oral/poster).**

**Prof (Dr) Kirti Singh Memorial Lecture will be held in Inaugural Session.**

### Themes

- **Organic and natural sugarcane farming for development of sustainable agriculture (Panel discussion)**
  - Challenges and opportunities in sugarcane organic and natural farming
- **Management of natural and organic farming systems**
  - Crop improvement, Agronomic management and agro-eco system sustainability and soil health.
  - Varietal evaluation of natural and organic farming system.
  - Farm Mechanization for sustainable agriculture.
  - Green/eco-friendly alternatives for crop health management.
  - Good management practices for natural and organic farming.
- **Livestock management for natural and organic farming systems**
  - Cow based formulation and input management for organic and natural farming
  - Organic cultivation of fodder production
  - Livestock mechanization and management for natural and organic farming systems
- **Comprehensive Extension Strategies and Government Initiatives for the promotion of Natural Farming**
  - Extension strategies for natural and organic farming.
  - Socioeconomic and environmental benefits of natural and organic farming.
  - Certification and market linkages
  - Policy formulation and institutional arrangement for organic and natural farming.
- **Success stories and farmers' experiences of natural and organic farming**
  - Success stories and case study.
  - Farmers' experiences on natural and organic farming.

### Participants

The seminar participants are the scientists, researchers, academics, agri-industry specialists, students, policy makers, agricultural extension fraternity, farmers, entrepreneurs and other stakeholders in the area of organic and natural farming.

### Publication

Experts from the plenary speeches, Keynote addresses, invited talks, theme lectures and oral presentations will be published in the peer reviewed Journal of the RASSA society "RASSA Journal of Science for Society".

### Last Date

<b>Submission of Abstract</b>	:	<b>18<sup>th</sup> December, 2023</b>
<b>Submission of invited/ lead papers</b>	:	<b>20<sup>th</sup> December, 2023</b>
<b>Intimation of acceptance of Abstract</b>	:	<b>21<sup>st</sup> December, 2023</b>
<b>Submission of registration fees</b>	:	<b>21<sup>st</sup> December, 2023</b>
<b>Submission of accommodation request</b>	:	<b>18<sup>th</sup> December, 2023</b>

## Registration Fees Delegates

Members/Scientists/Officers	: Rs. 1,500/-
Research scholars/students	: Rs. 750/-
Individuals from NGOs/ Society	: Rs. 2,500/-
Individuals from Corporate	: Rs. 4,000/-

## Sponsor

Gold	: Rs 50,000/
Silver	: Rs 25,000/

### Mode of Payment (Registration fee, Sponsorship & Advertisement Booking)

Amount may be sent through online transfer/demand draft/at par Cheque in favour of Royal Association for Science-led Socio-cultural Advancement (RASSA), payable at Lucknow (India) or remitted through Electronic Transfer/ RTGS as per the following details: Bank : Canara, Bank Address: Pusa Campus, IARI, New Delhi- 110012, Branch: Pusa Campus, MICR Code: 110015391, **IFSC code: CNRB0019029**, **Account no. 90292010134373**, Account Holder: Royal Association for Science-led Socio-cultural Advancement (RASSA)

<b>Patron (s)</b>	: Dr. R. Viswnathan, Director, ICAR-IISR, Lucknow Er A K Singh, President RASSA Dr Sushil Solomon, President, SSRP, New Delhi
<b>Resource Mobilizers</b>	: Dr. S.N. Singh; Dr. J. Singh
<b>Convener</b>	: Dr. Dinesh Singh, Project Coordinator, AICRP(S), ICAR-IISR, Lucknow
<b>Co-convener</b>	: Dr. M.K. Tripathi, Principal Scientist, ICAR-IISR, Lucknow
<b>Coordinator</b>	: Dr. V.P. Singh, Head, Division of Crop Production, ICAR-IISR, Lucknow
<b>Co-Coordinator</b>	: Dr. A.K. Mal, Principal Scientist, ICAR-IISR, Lucknow : Dr. S.K. Yadav, Principal Scientist, ICAR-IISR, Lucknow
<b>Organizing Secretaries</b>	: Dr. V. K. Singh, Principal Scientist (Agronomy) Dr. M.K. Singh, Principal Scientist (FMP), ICAR-IISR Lucknow
<b>Joint Organizing Secretaries</b>	: Dr. S.V. Singh, Associate Professor, NDUAT, Faizabad : Dr. R.P.N. Singh, In-charge/Head, KVK, Raebareli. : Dr. Ajeet Singh, Professor, BAU, Banda

### Address for Communication

**Dr. Dinesh Singh**, Convener  
M: 9794442600

**Dr. V.K. Singh**, Organizing Secretary  
M: 7379224565  
rassaseminarlko2@gmail.com

**Dr. M.K. Singh**, Organizing Secretary  
M: 9560959421

## National Organizing Committee

1. Dr. Panjab Singh, Former DG ICAR and Secretary DARE, GOI
2. Dr R B Singh, Former ASRB Chairman, New Delhi
3. Dr Ram Kathin Singh, Former Director of Research, NDUAT, Kumarganj
4. Dr. A K Singh, Director, ICAR-IARI, Pusa, New Delhi
5. Dr. K K Singh, Vice Chancellor, SVPUAT, Meerut
6. Dr. A K Singh, Vice Chancellor, RLBCAU, Jhansi
7. Dr. U S Gautam, DDG (Ag Extension), ICAR, New Delhi
8. Dr. A K Singh, Vice Chancellor, CSAUAT, Kanpur
9. Dr D K Vatsa, Vice Chancellor, CSKHPKV Palampur
10. Dr V K Singh, Director, ICAR-CRIDA, Hyderabad
11. Dr Brajesh Singh, Director, ICAR-CPRI, Shimla
12. Dr R K Singh, Dean, RLBCAU, Jhansi
13. Dr G P Rao, ICAR-IARI, New Delhi
14. Dr T Damodaran, Director, CISH, Lucknow
15. Dr Ajay Tiwari, UPCR, Shahjahanpur, UP
16. Dr Smriti Mall, DDU Gorahpur University, Gorakhpur
17. Dr A S Patil, Pune
18. Dr D P Singh, CSAUA&T, Kanpur
19. Dr K N Agrawal Project Coordinator (UAE), ICAR-CIAE Bhopal
20. Dr A K Dave, Dean, Food Science, IGKV, Raipur
21. Dr K N Banafar, Former Dean Agriculture, IGKV, Raipur

## Our Sponsors

**GRC India Environmental Consultancy**  
State-of-the-art Environmental Consultancy including EIA/EMP Services  
across PAN INDIA

**GRC India Environmental Lab Monitoring & Testing Services**  
GRC India Training & Analytical Laboratory duly accredited by NABL and recognized by Ministry of Environment, Forest and Climate Change (MOEF&CC)  
Environmental Testing & Compliance Monitoring covering Ambient Air, Water, Soil and Noise level analysis

**GRC Green TIP**  
A Technical Interactive Platform- Construction & Industry Environmental  
queries and its solutions with concrete answers at one place  
More information visit- [www.grcgreentip.com](http://www.grcgreentip.com)

**GREEN ERP**  
A tool to handle Industry/Infrastructure Environmental Compliances digitally. Hand-Holding  
towards sustainability & compliance, Day to day capturing of Environmental Activity &  
Automated Six-monthly compliance report. More info: [www.greenerp.com](http://www.greenerp.com)

**HELP BHARAT**  
A SEARCH Foundation Initiative  
**HELP BHARAT- "Janma Bhoomi-Karma Bhoomi"**  
Connects donors, companies & NGO's in all the 748 districts of India to join  
hands & extend support for a social cause of their choice &  
contribute to the place of their origin/workplace

**GRC Green E-Com India Pvt Ltd**  
B2B E Commerce Marketplace for sustainable building &  
construction products, materials & services