

International Conference - (ICSCI 2022)

**INTERNATIONAL CONFERENCE
System of Crop Intensification (ICSCI 2022) for
Climate-Smart Livelihood and Nutritional Security**

17-19, August-2022



Organised by



Venue : ICAR-Indian Institute of Rice Research

Rajendranagar, Hyderabad, INDIA www.icar-iirr.org

Our Sponsors

NGO Partners	International
<ul style="list-style-type: none">• National Coalition for Natural Farming (NCNF)• Revitalizing Rainfed Area Network (RRAN),• Nature-Positive Farming & Wholesome Foods Foundation• Low External Input Sustainable Agriculture (LEISA), India• Andhra Pradesh Community Managed Natural Farming	<ul style="list-style-type: none">• IRRI• ICRISAT• SRI - 2030 and• SRI - RICE• Sustainable Intensification Innovation Lab University, Kansas

Key Dates

International Conference in Brief

Submission Extended Summaries	May 30, 2022
Issue of the Acceptance	June 15, 2022
Receipt of the Registration Fee	June 30, 2022
Receipt of the Full length papers	July 15, 2022
Request for accommodation	July 15, 2022
Willingness for Congress field visit	July 15, 2022

Conference Programme

Inauguration	August 17, 2022
Conference	August 17-19, 2022
Poster sessions	August 18-19, 2022
Plenary Lectures / Lead lectures/ Panel discussion/ Farmer and scientist interactions	August 17-19, 2022
Valedictory	August 19, 2022
Field visits and / ICRISAT visit	August 20, 2022

Mode: Hybrid mode

Conference Venue: ICAR-IIRR, Rajendra Nagar-HYDERABAD, India

Contacts

Dr. RM Sundaram
President, SARR &
Director, ICAR-IIRR

Dr. Vilas A. Tonapi
Director, ICAR-IIMR

Dr. V. Praveen Rao
Vice Chancellor,
PJTSAU-TS

Dr. R. Mahender Kumar
Convener, ICSCI2022
Email: kumaricsci2022@gmail.com

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ICAR-IIRR

For details of International Conference - please visit our websites:

icar-iirr.org, <https://www.icar-iirr.org>

<http://sarr.co.in>

E-mail ID of the International Conference 2022:

icsci82022@gmail.com or secretaryicsci2022@gmail.com

INTERNATIONAL CONFERENCE

System of Crop Intensification (ICSCI 2022) for climate-smart livelihood and nutritional Security

Scope and Objective

The Society for Advancement of Rice Research (<http://sarr.co.in/>) is a registered society (2004) for researchers, research manager's, extension personnel, institutions, development agencies, trade and industry who practice and promote activities for the advancement of rice science and development. The society has been started with overall objectives of providing a platform for exchange of information and knowledge and disseminate the latest developments in rice research and to bring together all persons / institutions working for the cause of rice and rice based cropping systems for the past one and half decades. Laureates of rice science shared their views in different activities of the society in the conference, brainstorming sessions, Annual Rice Group meetings organized by SARR.

Innovation in food system is required for regional, national and global food security and sustainability. But experiences show that over dependence and reliance on intensive use of agrochemicals, fossil-fuels and other external inputs have put the sustainability of production system at risk. This has also severely affected the health of natural resources (soil, water, environment and food quality). Thus, there is an urgent need to rethink the choice of technology; practices; policies and strategies for innovations in sustainable crop production.



The use of agro-ecological approaches potentially reduce the dependence on external inputs, by mobilizing and invigorating the available biological processes and potentiality of plants and also the soil systems that support our crops in a sustainable manner. There is significant and ever-increasing empirical evidence that shows that they are workable solutions for secured livelihood and welfare. The innovations in several food systems particularly, in crops like rice, has resulted in advantages not only in enhanced productivity but also in significant saving of water and energy, improved soil health, efficient biological imprints and a drastic reduction of GHG emissions, particularly methane from paddy fields (Uphoff, 2017).

In 2000, the System of Rice Intensification (SRI) was a little-known empirically-grounded innovation, with limited understanding of the scientific basis in increased productivity and sustained agro-ecological benefits. Today, SRI or its customized versions are widely, if not yet fully, accepted practice among stakeholders in rice cultivation around the world (in 60 countries), thanks to the efforts of individual farmers, civil society organizations, research institutions, and the government and private sector entities, who have spread the new knowledge throughout the rice world.

The seeing-is-believing impact of SRI in various crops (FAO, 2016, p. 44 –47; Stoop, Uphoff, & Kassam, 2002; Uphoff, 2015) has led to the universalization of SRI principles to other crops also (Pradhan 2012). Today, a new paradigm of System of Crop Intensification (SCI) has emerged which improves the productivity and resilience of crops like wheat, finger millet, sugarcane, mustard, etc. (Biksham Gujja, 2012 Ag SRI). SRI and SCI along with other practices such as conservation agriculture, natural farming, etc. are now put together as agroecological practices

Agroecological/ SCI practices are particularly relevant for the resource-limited farmers because it relies minimally on purchased inputs, cash requirements and dependency on external resources. Experiences also show that by deployment of appropriate, customized mechanization, these methods can be scaled up for commercial production. The induced functioning of root systems and supporting beneficial life in the soil, and buffering capability of these practices on the ill effects of climate change such as drought, storm damage, extreme temperatures, pests and diseases, is shown to be feasible both on large as well as small farms.

The agroecological practices also require intensive and consistent monitoring and management of plants as compared to conventional cultivation. Such management practices result in remarkable response in crops, resulting in more productive and resilient phenotypes from a set of given genotypes. For food security and farm profitability in the 21st century, farmers will need to not only produce more food but also ensure a lighter and more benign 'footprint' on the environment.

The hydrological constraints (water availability) have threatened future global food production. Under these circumstances, the Agroecological practices are found to make significant water saving (more crop per drop), which is yet to be widely recognize even after 15 years of scientific evaluation of SRI. There was gradual, but somewhat quite adaptation of these SCI principles / methods within India and around the world, particularly in Asian countries. Many of these initiatives were inspired and encouraged by various efforts by many institutions and individual who came together in organizing national conferences on SRI (e.g. Hyderabad-2006, Agartala, Tripura-2007 and Coimbatore-2008 and many other workshops) in which ICAR-IIRR participated and played major role. After those conferences many developments happened which to encourage ground level adaptation, policy formulations and most importantly research by many agencies. Now there is quite sizable knowledge base and research on these approaches. The current effort to organize this international conference in 2022 is builds on previous initiatives and experiences.



Now, time is ripe for the world community of researchers, promoters and policy makers and others who are involved in improving, promoting and innovating Agro ecological practices, to come together, to consolidate and spread the knowledge and experience gained thus far for the benefit of small and marginal farmers of the world.











Dr. Trilochan Mahapatra, Chairman
Board of Governors of Congress &
Secretary, DARE and DG, ICAR, New Delhi



Dr. R. M. Sundaram, Chairman, ICSCI
Director, Indian Institute of Rice Research
Rajendranagar, Hyderabad

Themes

	Theme-1 <i>Current Status of System of Crop Intensification (SCI) in India and rest of the world</i>	
	Theme-2 <i>Breeding cultivars, land races, ideotypes, Management practices, pest and disease dynamics of SCI</i>	
	Theme-3 <i>Resource (water, nutrients, energy, labour etc.) use and conservation, in SCI (Natural Farming, Organic farming, Conservation Agriculture etc.) climate resilience and ecosystem protection</i>	
	Theme-4 <i>Agro-industries / Mechanization for scaling up SCI</i>	
	Theme-5 <i>SCI adoption and their Socio-economic Impacts including gender, labour and Institutional dynamics</i>	
	Theme-6 <i>Policy needs (at state, national and international levels) for scaling up SCI</i>	

Conference theme presentation format

Plenary Lectures

Globally and National recognized scientists, policy makers and administrators will be invited to deliver special lectures on the topics related to System of crop Intensification and policy, farming systems research, climate change, resource conservation technologies, resource use efficiency etc. They will be requested to provide 2-3 pages' write-up of their presentation along with brief biodata for inclusion in the Pre-Conference Proceedings. Plenary lectures will be of 30 minutes duration.

Invited Lead Lectures

These would offer an insight into the various themes/sessions of Conference. Technical Committees constituted for conference will identify 4 speakers. Each lecture will be of 15-20 minutes followed by discussion. Lead speakers of the symposium will be requested to provide 2 pages (2000 words) summary of their presentation and brief biodata for inclusion in the Pre-conference Proceedings. Full length papers will be published in the Post-Symposium Proceedings or special issue of Journal of Rice Research .

Panel Discussion

Recognized scientist/policy makers and industrialists will be invited to discuss on the present status of SCI rice technologies in India and its future. Panel discussion will have 5-6 panelists and it will be of one hour thirty minutes duration.

Lightning talk

All the delegates will get an opportunity to present their research findings by Lightning talk through physical / digital platform. Lightning talk will be arranged theme-wise. This would provide an opportunity to the participants to present their work in a more informal manner with personalized interaction with other participants. You can add audio or video, web pages, images, forms, links, documents, transcripts, and social media feeds into a single interactive presentation viewer. Lightning talk will be of 3 minutes. Best talk of each scientific theme will be awarded with digital certificate.

Farmer scientist Interaction

Sessions of Farmers and Scientist interaction to identify the problems strategies for up scaling the technologies will be arranged with participating farmers, policy makers and researchers.

Extended Summary

Delegates will submit extended Summary of their work before May30, 2022 .These extended summaries will be scrutinized and published in Pre- Conference Proceedings. Guidelines will be circulated separately in the circular. Extended summaries submitted without following guidelines will not be accepted for publication.

Poster Presentations

All the delegates will get an opportunity to present their contributory research papers through poster presentation. Poster presentation will be theme wise. This would provide an opportunity to the participants to present their work in more informal manner with personalized interaction with other participants. Material for fixing the posters will be provided by organisers. Guidelines will be circulated separately in the circular

Exhibition Advertisement and Sponsor presentations

Limited sponsor presentations will be arranged to provide an opportunity to sponsor and share their views and experiences with delegates. (Stalls especially machinery and designers of equipment's suitable for SCI adoption).

Special Publications

Organisers are making efforts to bring out special publication and policy document at the end of conference to give comprehensive coverage to the theme of the conference with future plans.

Extended Summaries

The extended summaries of all the contributory papers will be published and provided to the delegates as soft copy in a pen drive during the conference. The Extended summaries must reach by May 30, 2022 . The guidelines for extended summary are given in this circular separately. A soft copy of the extended summary prepared in Microsoft word doc. may be emailed to organizing secretary email icsci82022@gmail.com or kumaricsci2022@gmail.com

Guidelines for Preparation of Extended Summary

- The Extended Summary should not exceed 3 double space typed quarter size pages, including tables and references. Authors should ensure scientific and grammatical correctness of Extended Summary as it will be published as such without any editing.
- Follow the style and format of Journal of Rice Research, as per guidelines to authors given at SARR Society website: www.SARR.in and each volume of the journal (*copy also enclosed*).
- The title should be short, specific and phrased to identify the content of the article.
- By-line should include the author(s) name(s) {name of the person presenting the paper to be underlined}, and place of work including the name of the university/ organization (Full form-no abbreviation), state, pin code and the country. In case, the present address of any of the author is different, it should be given with complete address as footnote.
- The extended summary should begin with brief introduction and objectives, followed by methodology, results, conclusion and references. Heading of Methodology, Results, Conclusion and References may be given in capital letters. No heading of introduction is required.
- All references appearing in the text should appear at the end of the article and vice-versa. The reference should include the names of all authors, year, full title of the article, full name of publisher, place and year should also be given. For proceedings of symposium/ seminar etc., the title of the paper, title of seminar/symposium, place, date and pages should appear along with names of all authors and year.
- Number of tables, figures and references should be kept at minimum. There should not be duplication of data and figures. Figures should be comprehensive and nicely printed with clear legends. The figure number and Table should not have more than 6 columns.
- Data of 2 or more years/seasons should be pooled. No symbols for the treatments to be used. Author(s) must follow standard abbreviations. All weights and measurements must be in International System of Units (SI).
- Extended Summary should be typed in Times New Roman, normal fonts with double space. Font's size for different parts of extended summary Title-14 points bold, Authors- 12 points, Institute name - 11 points italic. Content-11 points. Heading in capital.
- The entire Extended Summary including text, figures and tables must be in MS Word Doc file only. All Extended Summaries should be mailed to secretaryicsci82022@gmail.com/ kumaricsci2022@gmail.com or icsci82022@gmail.com

Last date of Extended Summary submission is 30th May, 2022.

Registration

Google form link:

During registration you need to upload a copy of the proof of your payment confirmation.

URL: <https://forms.gle/gesvRdQbupjaJie26>

Registration Charges

	Physical Participants (Rs)	International (\$)
Scientists/Researchers	6000/-	
Students/Research Scholars	4000/-	\$ 300
Non Government	3000	
SARR Members	3000/-	
	Online participants (Rs)	International (\$)
Scientists / Researchers	3000/-	
SARR members	1500/-	\$ 150
NGO's	1500/-	
Students	1000/	
Others	2000/-	

Who can participate?

- Scientist/ Working professionals in agricultural and allied sectors/ NGOs
- Students /research scholars
- National and International
- SCI adopting Farmers

Registration fee doesn't include accommodation charges. Limited accommodation is available in government guest houses. Most of the delegates to avail hotels at reasonable cost nearby Rajendranagar- Hyderabad. A wide range of accommodation varying from 5 star hotels to guest houses are available.

Symposium will be open to registered participants only.

- The registration fee for the participants will cover participation in all scientific sessions, the proceedings and other soft and printed material of the meeting, welcome reception, lunch, and dinner, tea /coffee during lecture breaks. **It does not include accommodation charges of the delegates**

Registration fee may be sent through Demand Draft/ at par cheque in favor of

Society for Advancement of Rice Research, Hyderabad. A.C.No.52114977800, SBI, Budvel branch, IFSC: SBIN0020378

Foreign delegates need to pay in US dollars or equivalent in Indian Currency

Electronic proof or photocopy of the registration form can be used and payment details to be mailed to convener.

Facilities and Fees for Sponsors

Diamond Sponsor (Rs.2,00,000)

- Name/logo of sponsor to be displayed at prominent places including backdrop of the dais/website
- Presentation opportunity during the workshop.
- Advertisement in souvenir (full pagecolor, cover/special insertion)

Platinum Sponsor (Rs. 1,50,000)

- Name/logo of sponsor to be displayed at prominent places including backdrop of the dais/website
- Presentation opportunity during the workshop.
- Advertisement in souvenir (full page color)

Gold Sponsor (Rs.1,00,000)

- Name/logo of sponsor to be displayed at prominent places including back drop of the dais/website
- Advertisement in souvenir (full page color)

Silver Sponsor (Rs.50,000)

- Name/logo of sponsor to be displayed at back drop of the dais
- Advertisement in souvenir (full page color)

General Information

INSURANCE: The Organizing Committee assumes no liability for participant's personal accidents, sickness, and theft or property damage. Participants are requested to make their own arrangements with respect to health and travel insurance.

LANGUAGE: The official language of the Symposium will be English.

TAXI: Taxis are on call 24 hrs over the telephone/ online/ mobile apps. Air-conditioned (AC) taxis are available at the both the international and domestic terminals of Rajeev Gandhi International Airport. In addition, there are prepaid counters at the airport for travel to any part of the city. The distance from airport to venue is only 20 kms.

Exhibition

An exhibition will be organized at the conference venue during the Symposium. The exhibition area will be the focal point of the conference and the programme is structured to maximize the opportunity for delegates to visit this area. It has limited access to non-delegates also. Space for exhibition can be reserved by contacting the organizers. Exhibitors will get 10 ft x 10 ft space within the Exhibition area, having three sidewalls, carpet, 1 table, 2 chairs, one standard electric powerpoint, two spotlights and dustbin. Fees is Rs. 40000/- per stall

Facilities and Fees for Sponsors and Exhibitors

Advertisement

In Souvenir of the Congress, which will contain message from VIP and articles from renowned scientists, policy makers and administrator, there is a provision for giving advertisement by the companies. Souvenir is a very important publication of the Congress and kept by the delegates for a long period and used as reference book. Interested companies may contact the organizers for giving their advertisements. The rates for the advertisement areas follows.

Advertisement Tarrif

Charges / Location	INR (Rs)	USD (\$)
Back cover page	50,000	1000
Inner Back cover	30,000	800
Full page Insertion	25,000	600
Half page Insertion	12,500	300

Virtual/ electronic Format

Online advertisement during Congress (17-19 August 2022)

1 minute view /cycle : Rs. 50,000 30 seconds view /cycle : Rs.25,000

Online advertisement on IIRR website (www/iirr.org) and ICSCI website

01-19 August 2022: Rs. 1,00,000 (30 seconds view cycle)

10-19 August 2022: Rs. 75,000 (30 seconds view cycle)

15-19 August 2022: Rs. 50,000 (30 seconds view cycle)

Hotel Tariffs

5 star Hotels : (Rs. 6000-8000 per day)

Park Hyatt - Rs 6000

Taj Krishna - Rs. 6000

Radisson Hotel - Rs. 4500

Medium Range Hotels : (Rs. 2500- 5000 per day)

ITC Kakatiya - Rs. 4500

Golconda - Rs 3500

Ashoka - Rs. 4000

Lemon Tree - Rs. 4,500

Red Fox - Rs. 4,500

Taj Mahal - Rs. 3,500

Guest houses (Per person per day AC room)

NAARM - Rs1500

CRIDA - Rs 1500

NIRD - Rs 2000

NIPHM - Rs. 1500

PJTSAU - Rs 1200

IIRR - Rs. 1000

IIOR - Rs. 1000

MANAGE - Rs. 1500

PDP - Rs. 1000

These tariffs are based on current rates per day. Upward revision of about 10-15% is expected by the time of conference. Limited accommodation may be available for the Indian delegates in various guest houses.

Above tariffs are quoted in Indian Rupees and equivalent currency.

ABOUT Hyderabad

HYDERABAD (5th Largest City in India), the capital city of Telangana State (3rd Largest State in India). Population of more than 50 Lakhs & Agglomerated area 727 sq. kms on the Deccan Plateau.

Location: 17° E 22' N Latitude & 78° 27' Longitude

Language

The official language of Hyderabad is Telugu but there are various other regional languages spoken by the people of the state of Telangana. English is used for official and commercial purposes. Most people on the streets understand and converse in English. The other languages popular here in Hyderabad are Urdu and Hindi.

Time Zone

India has a single time zone. It is 5.5 hours ahead of the GMT, 4.5 hours behind the Australian Eastern Standard time and 11.5 hours ahead of American Eastern Standard Time (winter).

Climate

Weather in Hyderabad is very pleasant. Temperature in Hyderabad ranges from 11°C to 42°C.

Field Visits, Excursion and Tour

Organizers will arrange visits to experimental fields and Research Institutes at ICAR-IIRR, ICAR- IIMR , ICRISAT and PJTSAU

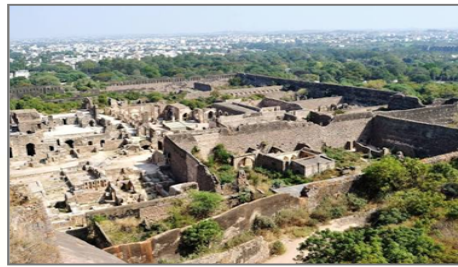
- Visit to Ramoji film city based Farmer Field visits ,Museum and Research Institutes
- Visit to Charminar, Golconda and Muchintal, Monuments and Research Stations

Final programme of these field visits will depend upon the willingness received from the delegates. **All these visits will be arranged on payment basis to all delegates on first come first basis.**

Places of Attraction



The **Charminar** constructed in 1591, is a monument located in Hyderabad, Telangana, India. The landmark has become known globally as a symbol of Hyderabad and is listed among the most recognised structures in India. It has also been officially incorporated as the Emblem of Telangana for the state of Telangana. The Charminar's long history includes the existence of a mosque on its top floor for more than 425 years.



Golconda Fort, located in Hyderabad, Telangana, India. Because of the vicinity of diamond mines, especially Kollur Mine, Golconda flourished as a trade centre of large diamonds, known as the Golconda Diamonds. The region has produced some of the world's most famous diamonds, including the colourless Koh-i-Noor. The complex was put by UNESCO on its "tentative list" to become a World Heritage Site in 2014.



The **Salar Jung Museum** is an art museum located at Dar-ul-Shifa, on the southern bank of the Musi River in the city of Hyderabad, Telangana, India. It is one of the three National Museums of India. Originally a private art collection of the Salar Jung family, it was endowed to the nation after the death of Salar Jung III. It was inaugurated on 16 December 1951.



Ramoji Film City is an integrated film studio complex located in Hyderabad, India. Spread over 1,666 acres, it is the largest integrated film city in the world and as such has been certified by the Guinness World Records as the largest studio complex in the world.



Sri Ramanujacharya's Statue of Equality made of Panchaloha which stands 216-feet-tall, reflects the mammoth struggle for change which the social reformer had championed a 1,000 years ago. Located in a temple town inside the ChinnaJeyar Swamy's ashram near Muchintal, the statue was dedicated to the world by Prime Minister Narendra Modi on February 5, 2022



Once upon a time, Hyderabad was known as City of Lakes. Some of these lakes are natural and various are manmade bodies. As per various sources only a few decades back, Hyderabad had a large number of water bodies such as lakes, reservoirs, rivers, streams, aquaculture ponds, tanks etc.

Advisory Committee

Patron: Dr. T. Mohapatra, Secretary (DARE) & Director General, ICAR

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- National Coalition for Natural Farming (NCNF)
- Revitalizing Rainfed Area Network (RRAN),
- Nature-Positive Farming & Wholesome Foods Foundation
- Low External Input Sustainable Agriculture (LEISA) India
- Andhra Pradesh Community Managed Natural Farming

Conference Secretariat

Dr. R. Mahender Kumar

Convener and Organizing Secretary

email icsci82022@gmail.com or

kumaricsci2022@gmail.com

9440476493

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