



**FIRST CIRCULAR**

# **1<sup>st</sup> Indian Rice Congress-2020**

## **Rice Research and Development for Achieving Sustainable Development Goals**

**December 8-9, 2020**  
**ICAR-NRRI, Cuttack, Odisha, India**

*Organized By:*



**Association of Rice Research Workers**  
**Cuttack, India**

*In Collaboration with*

**Indian Council of Agricultural Research, New Delhi**  
**ICAR -National Rice Research Institute, Cuttack**  
**ICAR -Indian Institute of Rice Research, Hyderabad**  
**ICAR-Indian Agricultural Research Institute, New Delhi**  
**Odisha University of Agriculture & Technology, Bhubaneswar**  
**Society for Advancement of Rice Research, Hyderabad**  
**IRRI South Asia Regional Centre, Varanasi**



**IRRI**

## Symposium in Brief

### Key Dates to Remember

Submission of Participation Form	:	October 15, 2020
Submission of	:	October 15, 2020
Extended Summary		
Acceptance of Extended Summary	:	October 20, 2020
Registration fee (without late fee)	:	October 20, 2020
1 <sup>st</sup> Indian Rice Congress	:	December 8-9, 2020

### Venue

ICAR-National Rice Research Institute, Cuttack 753006, Odisha, India

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## Indian Rice Congress

The Association of Rice Research Workers (ARRW) at ICAR-National Rice Research Institute, Cuttack; established in 1961, is one of the oldest societies in India. The society is working since past 50 years to foster rice research for widening the horizons of rice science and also to increase rice productivity and profitability. Besides, ARRW regularly organizes national and international events like symposium and conferences for knowledge sharing and updation on the recent developments in rice research all over the world.

The Society is going to organize “Indian Rice Congress” at a regular interval of every two years, which will provide a robust platform for all the stakeholder i.e., researchers, students, industries, policy makers and farmers to discuss the national and international developments in rice science. First such event will be held at ICAR-NRRI, Cuttack during December 8–9, 2020.

The theme of the first congress will be “Rice Research and Development for Achieving Sustainable Development Goals”.

## Rice Research and Development for Achieving Sustainable Development Goals

As per the report of CGIAR, rice (*Oryza sativa* L.) and rice related activities will be able to address nine of the 17 United Nations Sustainable Development Goals (SDG). It is estimated that 40% of the world’s population consume rice as their major source of food; and 1.6 billion people in Asia take rice as their mainstay food. Further, rice production is an important source of livelihood for around 144 million rice-farming households and also for millions of people working on rice farms as labourers. Paradoxically, rice farming is assumed to be associated with poverty in several countries. Moreover, ~900 million of the world’s poor depend on rice as producers or consumers. Out of these, some 400 million poor and undernourished people are engaged in growing rice. Therefore, SDGs comprising of *No Poverty (Goal 1)*, *Zero Hunger (Goal 2)* and rice cultivation are highly related and achieving the first two SDGs highly dependent on the profitable rice farming in the world.

Global demand for rice will continue to increase from the ~511 million tonnes of milled rice in 2020 to 536–551 million tonnes in 2030 and in India, demand will be around 121.2 million tonnes by the year 2030, and 137.3 million tonnes by the year 2050 for internal consumption. In order to meet the future demand of rice in India, productivity of rice in India has to be increased to ~3.3 tonnes per ha, which is approximately 2.6 tonnes presently. Moreover, the profit margin in rice cultivation has eroded making rice cultivation unattractive to the farmers. Besides, role of women in rice production and consumption is significant, yet they are not recognized for their contributions. Rice and environment go hand in hand and protecting environment and securing sustainable rice production will be of greater challenges in future. Therefore, apart from Goal 1 and 2 of SDGs, rice production is also related with *Gender equality (Goal 5)*, *Clean water and sanitation (Goal 6)*, *Decent work and economic growth (Goal 8)*, *Responsible consumption and production (Goal 12)*, *Climate action (Goal 13)*, *Life on Land (Goal 15)* and *Partnerships (Goal 17)*.

Above mentioned SDGs related with rice cultivation could only be achieved through integrated rice research, dissemination of technologies, empowerment of women, sustainable resource management etc. The partnerships among the government institutions, public and private organizations, farmers, policy makers, and other stakeholders are essential for achieving the SDGs through rice cultivation. In this regard, the objective of this congress is to discuss the recent advances in rice science for bringing the action points especially to meet the global needs on SDGs and India, in particular.

Recent breakthroughs in genome biology including genome sequencing and editing allowed the deciphering of function of important genes underlying agronomically relevant traits. The application of molecular breeding resulted in development of several improved rice varieties comprising of genes for durable resistance to biotic and abiotic stresses. Further, production technologies and farm extension is also pushing the current scientific knowledge to address the need of sustainably increasing crop yields and ensuring global food security. Therefore, modern scientific approaches and new technologies are making it possible to increase rice productivity in a sustainable manner, add nutritive value to rice, reduce losses from biotic and abiotic stresses, reduce the environmental footprint in rice production and make the rice production system “climate-smart.” Similarly, new opportunities are now available for enhancing rice value chains, reducing post-harvest losses, adding value through secondary processing and ensuring higher quality and safety of rice and rice products. Besides, regional networks for sharing of rice technology and market information are being established to raise productivity and stabilize the market supply through improved trading arrangements to achieve the national objective of doubling farmers’ income.

### **IRC in hybrid mode**

The first IRC will be held in hybrid mode for wider participation of rice stakeholders across the globe. The programme will be a platform to organize the current knowledge in rice sciences from renowned rice workers all over the world. The event will take place in both a physical and digital mode through broadcasting a conventional event online through live streaming or webinar broadcasting. The ability of this event to cater the physical and remote audiences in a live mode lends it’s a ‘hybrid’ name. Besides, a subset of the participants will be attending the meeting physically as per their convenience in this congress. Other participants may join the meeting by conference call or web platforms .

## **Symposium Presentation Format**

### **Plenary Lectures**

Globally recognized scientists, policy makers and administrators will be invited to deliver special lectures on the topics related to rice production and policy, farming systems research, climate change, resource conservation techno-logies, resource use efficiency, genomics etc. They would provide 2 – 3 page write-up of their presentation along with brief biodata for inclusion in the Pre-Symposium Proceedings. Plenary lectures will be of 40 minutes duration. Full length papers will be published in the Post-Symposium Proceedings or Oryza journal.

## Invited Lead Lectures

These would offer an insight into the various sessions of The Congress. Technical Committees constituted for symposium will identify 3-4 speakers. Each lecture will be of 15 minutes followed by discussion. Lead speakers of the symposium will be requested to provide 2 – 3 pages extended summaries of their presentation and brief biodata for inclusion in the Pre-Symposium Proceedings. Full length papers will be published in the Post-Symposium Proceedings or ORYZA journal.

## Contributory papers

This would provide an opportunity for oral presentation of research papers received/submitted for poster presentation. Limited number of papers will be selected by the committee for presentation based on importance of subject matter and its relevance to the subthemes of the symposium and speakers will be informed well in advance for making the presentation. The presentation will be of 7 minutes.

## Digital poster presentations

All the delegates will get an opportunity to present their research findings through poster presentation in digital platform. Poster presentation 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. Guidelines for poster preparation are given separately in this circular. Best poster in each scientific theme will be awarded with certificate.

## Extended Summary

Delegates will submit extended summary of their research paper before the last date; 15<sup>th</sup> October 2020. These extended summaries will be scrutinized and published in Pre-Congress proceedings. Guidelines for preparation of extended summary are given separately in this circular. Delegates are requested to adhere to guidelines while preparing the extended summary. Extended summary not prepared according to guidelines will not be accepted for publication. A soft copy of the extended summary prepared in MS-Word format may be emailed to Organizing Secretary e-mail: [secretaryarrw@gmail.com](mailto:secretaryarrw@gmail.com)

## Guidelines for Preparation of Extended Summary

- ✳ Extended Summary should not exceed 1000 words excluding illustration (one) and references. The title should be short, specific and phrased to identify the content of the article. Heading should be in capital letter.
- ✳ Extended Summary should be typed in MS-Word, Times New Roman with normal fonts. Font's size for different parts of extended summary are Title - 14 points bold, Authors – 12 point, Institute name – 11 points italic, Content – 11 points. It should include the author(s) name(s), email id and place of work including the name of the university / organization, 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.

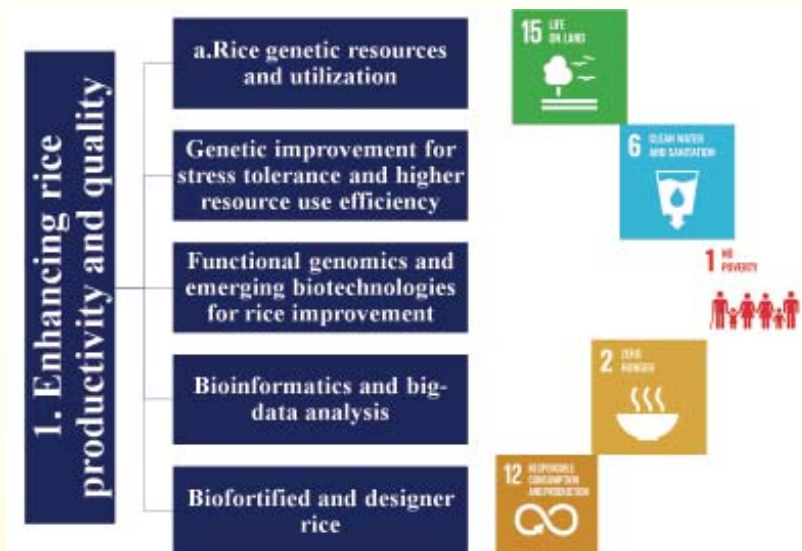
- ✳ The extended summary should begin with brief introduction and objectives, followed by methodology, results, conclusion and references (maximum two) and illustration (one). Heading of Methodology, Results, Conclusion and References should be given in capital letters. No heading for introduction is required. The guidelines are also available at Society Website: [www.arrworyza.com](http://www.arrworyza.com)
- ✳ The extended summaries of all the contributory papers will be published and provided to the delegates as soft copy during the symposium. One extended summary will be accepted per person as first author. These must reach the Organizing Secretary in the prescribed format latest by October 15, 2020. Extended summary prepared without following the style and format and guidelines will not be accepted for publication. A soft copy of the extended summary prepared in Microsoft word doc may be emailed to Organizing Secretary Email: [secretaryarrw@gmail.com](mailto:secretaryarrw@gmail.com)

## Guidelines for Poster Presentation

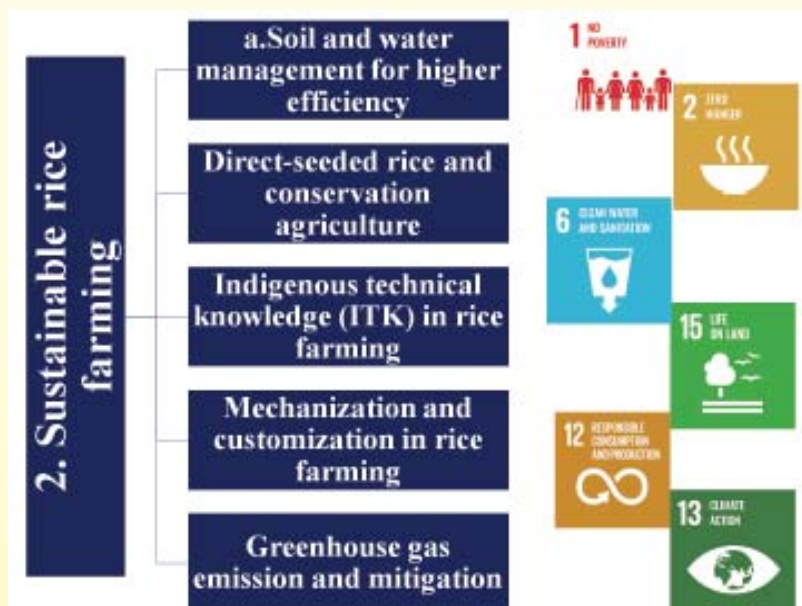
- ✳ For each symposium, there will be a poster session to encourage detailed discussion with presenters. The papers contributed for each poster session will have a convener. The convener will prepare and present summary of the poster session in the respective symposium. The posters are to be prepared in the standard form.
- ✳ Posters will be the principal format for the participant's volunteered presentations. Posters facilitate the exchange of experience and ideas. The posters will be grouped according to the sub-themes of the congress and a specific day, time and space will be allotted to each poster which will be indicated in the programme for poster presentation. A good poster must be readable, legible, well organized and concise. For sake of uniformity, the following guidelines may be adhered for the preparation of paper's poster.
- ✳ Poster preparation: The title card at the top should include in addition to title (in capitals), name(s) of the author(s) and their affiliation. The text of the poster may be divided into objective (two to three sentences), methodology, results (four pages including tables, charts/graphs) and summary/conclusions.
- ✳ Lettering: The lettering for the title should be 36 points in bold capital while that of name of authors in 28 points bold lower case and institution in 24 points bold *italics* lower case may be followed. All additional lettering should be 20 points normal. The heading namely, objectives, methodology, results and summary/conclusion should be in 20 points bold lower case.
- ✳ Script. Table and figure headings and text should be bold face lettering of 20 points. The numerals and letters included in the figures and tables should be 16 points normal.
- ✳ The size of the poster should not exceed 1.80 m (height) and 0.90 m width.
- ✳ Remember, a lot of people will read or study your poster while you are away, in such a case make sure that message is clear and simple.
- ✳ Extended summaries scheduled for presentation will be grouped symposium-wise, numbered and listed in the final programmes. Posters will be evaluated by a Committee for awards.

## Scientific Themes

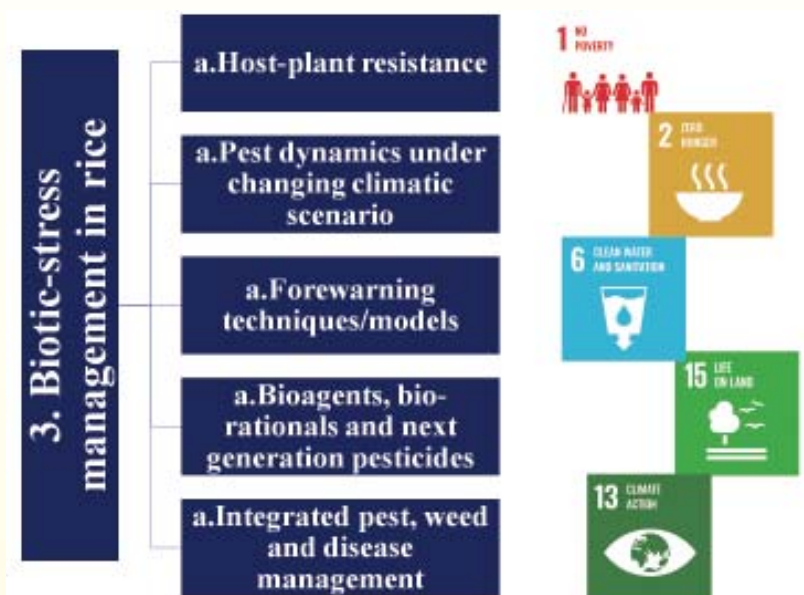
### 1. Enhancing rice productivity and quality



### 2. Sustainable rice farming



### 3. Biotic-stress management in rice



### 4. Rice for livelihood security, equity and profitability





## Registration Fee

### Physical Mode

#### Foreign delegates

Scientists / Researchers	:	US \$250 (SAARC countries); US \$350 (Other countries)
Students / Research Scholars	:	US \$150 (SAARC countries); US \$250 (Other countries)

#### Indian delegates

Member	:	Rs. 6,000 (after due date Rs. 7,000/-)
Non-Member	:	Rs. 7,000 (after due date Rs. 8,000/-)
Students	:	Rs. 5,000 (after due date Rs. 6,000/-)
Industry & Private organization	:	Rs. 15,000 (after due date Rs. 20,000/-)

### Virtual Mode

#### Foreign delegates

Scientists / Researchers	:	US \$10 (SAARC countries); US \$20 (Other countries)
Students / Research Scholars	:	

#### Indian delegates

Member / Non-Member / Students	:	Rs. 500/-
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The registration fee can be deposited in the account of the Association (Account No. 10329387060, Bank Name: State Bank of India, Branch Name: Nayabazar, Cuttack, Code-2094, IFS Code-SBIN0002094, MICR No.- 753002016) and a copy of successful transaction status may be emailed to the organizing secretary.

- \* Symposium will be open to registrants only
- \* The registration fee for the participant will cover participation in all scientific sessions, the proceedings and other soft copy material of the meeting. Welcome reception, lunches and dinner, tea/coffee during lecture breaks will be available to physical participants only.
- \* A digital certificate will be given to all the participants.
- \* A Registration Form enclosed with this brochure (also available on Society website) should be filled in and sent to Organizing Secretary, 1<sup>st</sup> Indian Rice Congress – 2020, ICAR –NRRI, Cuttack-753006, Odisha along with registration fee by October 20, 2020 by e-mail: [secretaryarw@gmail.com](mailto:secretaryarw@gmail.com)
- \* Photocopy of registration form can be used.

## 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 are as follows.

### Facilities and Fees for Sponsors

#### 1. Platinum Sponsor (Rs. 1,00,000)

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

#### 2. Gold Sponsor (Rs. 50,000)

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

#### 3. Silver Sponsor (Rs. 25,000)

- ✳ Advertisement in souvenir (full page color) and to be displayed in website

#### 4. Sponsor (Rs. 10,000)

- ✳ Advertisement in souvenir (full page black and white) and to be displayed in website



## Oranizing Committee of 1st Indian Rice Congress 2020

**Patron:** Dr. Trilochan Mohapatra, Secretary, DARE & Director General, ICAR  
**Co-Patron:** Dr. Matthew Morell, DG, IRRI, Philippines

### INTERNATIONAL ADVISORY COMMITTEE

Name	Designation & Address
<b>Chairman</b>	
Dr. Trilochan Mohapatra	Secretary, DARE & Director General, ICAR, New Delhi, India
<b>Members</b>	
Dr. Md. Shahjahan Kabir	DG, BRRI, Bangladesh
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Dr. RB Singh	Ex-President, NAAS, New Delhi, India
Dr. P K Agarwal	Vice Chancellor, OUAT, Bhubaneswar, India
Dr. N. K. Singh	Project Director, National Institute For Plant Biotechnology, New Delhi
Dr. Arvind Kumar	Director of IRRI-SARC and IRRI Representative- India
Dr. AK Parida	Director, ILS, Bhubaneswar
Dr. AK Singh	Director, IARI, New Delhi
Dr. Juhar Ali	IRRI, Philippines
Dr. Ismail A. Bagi	IRRI, Philippines
Dr. K. Alagusundaram	DDG (Ag. Engineering), ICAR, New Delhi

*Contd.....*

Name	Designation & Address
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Dr. R.C. Agrawal	DDG (Agricultural Education), ICAR, New Delhi
Dr. SK Chaudhari	DDG (NRM), ICAR, New Delhi
Dr. JK Jena	DDG (FS), ICAR , New Delhi
Dr. E. A. Siddiq	Ex-DDG (CS), ICAR, Hyderabad
Dr. Udaya Sekhar Nagothu	NIBIO, Norway
Dr. Adam H. Price	Professor, University of Aberdeen, UK
Dr. Peter Smith	Professor, University of Aberdeen, UK
Dr. Ian Graham	University of York, UK
Dr. D. Maiti	Director, ICAR-NRRI, Cuttack, Odisha

## NATIONAL ADVISORY COMMITTEE

Name	Designation & Address
<b>Co-Chair</b>	
Dr. H Pathak, Co-Chair	Director, ICAR-NIASM, Baramati
Dr. D. Maiti, Co-Chair	Director, ICAR-NRRI, Cuttack
<b>Members</b>	
Dr. SR Voleti	Director, ICAR-IIRR, Hyderabad
Dr. Atmaram Mishra	Director, ICAR-IIWM, Bhubaneswar
Dr. S K Srivastava	Director, ICAR-CIWA, Bhubaneswar
Dr. (Mrs.) B.R. Pillai	Director, ICAR-CIFA, Bhubaneswar
Dr. A Pattnayak	Director, ICAR-IIAB, Ranchi
Dr. B.K Kandpal	Director, ICAR-RCNEHR, Barapani

Name	Designation & Address
Dr. AR Sharma	Director Research, Rani Lakshmi Bai Central Agricultural University, Jhansi
Dr. P Kaushal	Joint Director, NIBS, Raipur Dean(Research), OUAT, Bhubaneswar
Prof. (Dr.) K.K. Rout	Dean, CA, OUAT, Bhubaneswar
Dr. M Variar	State Coordinator, IRRI-Odisha
Dr. G. Acharya	Head, CHES, IIHR Regional Station, Bhubaneswar
Dr. Manukonda Srinivas	Head, Rice Research Station, Maruteru Campus
Dr. C. V. Rama Rao	Head, Rice Research Station, Bapatla Camus
Dr. N Maniyam	Head, CTCRI-Regional Station, Bhubaneswar
Dr. AK Nayak	Head I/c, CPD, ICAR - NRRI, Cuttack
Dr. PC Rath	Head I/c, CPTD, ICAR - NRRI, Cuttack
Dr. P Swain	Head I/c, CPBD, ICAR - NRRI, Cuttack
Dr. BC Patra	Head I/c, CID, ICAR - NRRI, Cuttack
Dr. GAK Kumar	Head I/c, SSD, ICAR - NRRI, Cuttack
Dr. R. Bhagwati	Head I/c, Gerua Station, ICAR - NRRI

### LOCAL ORGANIZING COMMITTEE

Chair: Dr. D Maiti

Organizing Secretary: Dr. MJ Baig

## PARTICIPATION FORM



**1<sup>st</sup> Indian Rice Congress-2020**  
December 8-9, 2020, Cuttack (Odisha), India  
(Please mail or fax this form so as to reach by October 15, 2020)

Name : Prof./Dr./Mr./Ms. ....

Country : .....

Address : .....

Tel. No. : .....

Fax No. : .....

E-mailId : .....

ARRW Life Member Yes  No

Title of the paper: : .....

Sub-theme of Interest : .....

I am interested in : (Tick mark the appropriate option)

Attending the Congress : .....

Presenting a paper : Oral  Poster

Signature

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