

ARRW NATIONAL SYMPOSIUM 2027
FIRST ANNOUNCEMENT

RICE FRONTIERS - 2027

SIX FRONTIERS. ONE RICE FUTURE

NATIONAL SYMPOSIUM ON TRANSFORMATIVE
RICE SCIENCE, TECHNOLOGY AND INNOVATION

February 17-19, 2027

Organised by

Association of Rice Research Workers
Kataka, Odisha, India

भाकृअनुप
ICAR

IRRI

- Indian Council of Agricultural Research, New Delhi
- ICAR - Indian Institute of Rice Research, Hyderabad
- ICAR - Indian Agricultural Research Institute, New Delhi
- International Rice Research Institute, Philippines

Venue: ICAR - Central Rice Research Institute, Kataka, Odisha, India

IN BRIEF

CLOSING DATES

Submission of Extended Summary	:	December 31, 2026
Receipt of Registration fee (without late fee)	:	December 31, 2026
Request for Accommodation	:	January 31, 2027
Willingness for field visit/Tour	:	February 16-17, 2027

PROGRAM

Registration	:	February 16-17, 2027
Inauguration	:	February 17, 2027
Symposium	:	February 17-19, 2027
Valedictory Session	:	February 19, 2027
Field Visit	:	February 19, 2027

DETAILS

Organizing Secretaries

Dr. Rameswar Prasad Sah
Sr. Scientist, ICAR - Central Rice Research Institute,
Kataka - 753 006, Odisha, India

Dr. Anjani Kumar
Sr. Scientist, ICAR - Central Rice Research Institute,
Kataka - 753 006, Odisha, India

Dr. Prashantkumar S Hanjagi
Sr. Scientist, ICAR - National Institute of Abiotic Stress Management, Baramati,
Pune, Maharstra, India

Dr. Supriya Priyadarsini
Scientist, ICAR - Central Rice Research Institute,
Kataka - 753 006, Odisha, India



Invitation

Rice is more than a staple food; it is a foundation of food and nutritional security, rural livelihoods, cultural heritage and economic development for billions of people worldwide. In India, rice occupies a central position in agriculture and continues to play a vital role in ensuring national food security and farmer prosperity. However, climate change, declining natural resources, emerging pests and diseases, environmental concerns and changing consumer preferences demand a fundamental transformation in rice research, production and utilization.

The future of rice lies in integrating advances in genetics, genomics, biotechnology and crop improvement with climate-resilient production systems, sustainable resource management, artificial intelligence, agricultural engineering and industrial innovation. Equally important is the emerging One Health approach, which recognizes the interconnectedness of plant, animal, human and ecosystem health. Rice-based ecosystems provide a unique opportunity to explore these relationships through plant protection, beneficial microbiomes, biodiversity, soil and water health, environmental safety, food quality and human nutrition. Integrating One Health principles into rice research can contribute to healthier agroecosystems, safer food systems and more sustainable agricultural development.

Beyond its traditional role as a food crop, rice offers immense opportunities for value addition and industrial applications, including functional foods, nutraceuticals, pharmaceuticals, biomaterials, biodegradable packaging, bioenergy and circular bioeconomy. Simultaneously, advances in digital agriculture, intelligent technologies, seed systems, entrepreneurship and policy innovation are creating new pathways for translating scientific discoveries into practical solutions and economic opportunities.

Against this backdrop, the Association of Rice Research Workers (ARRW) is organizing the National Symposium – RICE FRONTIERS 2027, during 17–19 February 2027 at ICAR–Central Rice Research Institute, Kataka, Odisha, under the overarching vision “Six Frontiers. One Rice Future.” The symposium aims to bring together researchers, academicians, policymakers, industry professionals, entrepreneurs and other stakeholders from diverse disciplines to exchange knowledge, showcase innovations, foster interdisciplinary collaborations and identify transformative pathways for the future of rice.

Organized around six interconnected scientific frontiers, the symposium seeks to bridge fundamental discoveries with sustainable production, One Health, intelligent technologies, industrial applications and societal prosperity. Aligned with the vision of Viksit Bharat 2047, it aspires to advance rice science beyond conventional boundaries and contribute to a resilient, healthy, sustainable and prosperous rice-based future.

We consider it our privilege to extend you a warm invitation for your active participation in the Symposium to accomplish its objectives.

Looking forward to meet you in the Symposium at Kataka.

Dr. Rameswar Prasad Sah
Secretary, ARRW
& Organizing Secretary,
ARRW National Symposium-2027

Dr. GAK Kumar
Convener, ARRW
National Symposium-2027 &
Director, ICAR - CRRI, Kataka

Dr. Amaresh Kumar Nayak
President, ARRW & DDG (NRM),
ICAR, New Delhi

SIX FRONTIERS. ONE INTEGRATED RICE FUTURE.

■ FRONTIER 1. Rewriting Rice: The Biological Revolution

This frontier explores the biological foundations and advanced approaches for rice improvement, encompassing genetic resources, genetics, genomics, multi-omics and gene discovery. It integrates conventional and molecular breeding, biotechnology, genome editing, crop physiology, biochemistry, reproductive biology and seed science. The focus is on translating biological discoveries into superior, climate-resilient, high-yielding and nutritionally improved rice varieties.

■ FRONTIER 2. One Planet: Climate & Sustainable Systems

This frontier focuses on climate-resilient, resource-efficient and environmentally sustainable rice production across diverse agroecological systems. It covers agronomy, crop establishment, direct-seeded rice, weed management, soil health, water and nutrient management, and abiotic stress adaptation. It also emphasizes regenerative agriculture, diversified cropping systems, integrated farming, residue management, carbon conservation and low-emission rice production to balance productivity with environmental sustainability.

■ FRONTIER 3. One Health: One Rice Ecosystem

This frontier connects rice plant health with the health of animals, ecosystems and humans through an integrated One Health approach. It encompasses plant pathology, entomology, nematology, crop protection, seed health, beneficial microbiomes, biological control and biodiversity. Emphasis is placed on environmental safety, pesticide residues, contaminants, food safety, nutrition and ecosystem interactions to promote healthier rice systems and human well-being.

■ FRONTIER 4. Rice Intelligence : The Digital Revolution

This frontier integrates artificial intelligence, machine learning, bioinformatics, agricultural statistics and digital technologies with agricultural engineering to transform rice research and production. It covers computational breeding, digital phenotyping, remote sensing, GIS, drones, digital twins, sensors and precision agriculture. Mechanization, robotics, automation, smart machinery and intelligent decision-support systems are emphasized to improve research efficiency, farm operations and technology delivery.

■ FRONTIER 5. Beyond the Grain : The Rice Bioeconomy

This frontier explores rice and its by-products as sources of high-value food, health and industrial products. It encompasses grain quality, food processing, functional foods, nutraceuticals, pharmaceutical bioactive, rice bran oil and specialty chemicals. Industrial applications include pulp and paper, biodegradable packaging, biomaterials, nanotechnology, rice-husk silica, bioenergy, post-harvest technologies and biorefineries, promoting value addition and a circular bioeconomy.

■ FRONTIER 6. Rice 2047: Innovation to Prosperity

This frontier connects rice research and innovation with economic development, technology adoption and farmer prosperity. It covers seed production, certification and industry, varietal release, agricultural economics, policy, extension, intellectual property, commercialization and entrepreneurship. Emphasis is placed on public–private partnerships, markets, exports, value chains, agricultural education and inclusive rural development to translate scientific advances into societal benefits, aligned with Viksit Bharat 2047.

PRESENTATION FORMAT

Lead Talk: Researchers/faculty/scientist will be identified by technical Committees to give lead lectures which will throw insight into the various themes/sessions of the Symposium.

Session Talk: Delegates with excellent research will be chosen to deliver talk on their subject area in each theme.

Evening Lectures: Globally recognized scientist/policy makers and administrators will be invited to deliver a special lecture on "One Health Approach".

Lightning Talk/Poster Presentation: Delegates will get an opportunity to present their research findings through lightning talk. 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. Best talk in each scientific theme will be awarded with certificate.

Oral Presentation: Selected delegates will present their original research findings under the six scientific frontiers of the Symposium.

'Young Researcher Award'*:* is a unique opportunity for Scientists/Post-Docs/PhD scholars below the age of 35 years as on 01.01.2027 to showcase their research achievements through a brief competitive presentation followed by a quick discussion. Accordingly, best young researchers will be awarded during the ARRW National Symposium-2027. *Detailed guidelines and rules of the award will be shared soon on the website.

Sponsor Presentation: Limited sponsored presentations will be arranged to provide an opportunity to sponsors to highlight their product profiles and share experiences**.**

Farmer Scientist Interaction: A session of Farmer and Scientist interaction to identify the problems and suggest strategies for up scaling the technologies will be arranged with Progressive farmers, policy makers and researchers.

Extended Summary: Delegates will submit extended summary of their research papers before the last date for receipt of extended summary. These extended summaries will be scrutinized and published in Pre Symposium-Proceedings. Delegates are requested to adhere to guidelines while preparing the extended summary.

GUIDELINES FOR PREPARATION OF EXTENDED SUMMARY

The Extended Summary should not exceed 2 double space typed A4 size pages, including illustration and references. The title should be short, specific and phrased to identify the content of the article. Heading should be in capital letter. It should be typed in Times New Roman with normal fonts. Font's size for different parts of extended summary are Title-14 points bold, Authors-12 points, Institute name – 11 points italic, Content-11 points. The Extended Summary should include the author(s) name(s) 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 only) and illustration (one). Heading of Methodology, Results, Conclusion and References may be given in capital letters. No heading for introduction is required. The guidelines is also available at Symposium website.

EXHIBITION & SPONSORS DETAILS

■ EXHIBITION

An exhibition will be organized at ICAR-CRRI during the Symposium. The exhibition area will be the focal point of the symposium and the program is structured to maximize the opportunity for delegates to visit the area. It has limited access to non-delegates also. Space for exhibition can be reserved by contacting the organizers. Exhibitors will get 3m x 3m space within the exhibition area, having three side wall, carpet, 1 table, 2 chairs, one standard electric power point, two spotlight and dustbin. Space can be reserved by contacting the organizers. Charges for the exhibition stall is Rs. 38,000/-.

■ SPONSORS

1. Platinum Sponsor (Rs. 4,00,000)

Name/logo of sponsor to be displayed at prominent places including dais/website. Presentation opportunity during the workshop. Advertisement in souvenir. Free stalls (2) Complementary registration for 4 delegates

2. Diamond Sponsor (Rs. 3,00,000)

Name/logo of sponsor to be displayed at prominent places including dais/website. Presentation opportunity during the workshop. Advertisement in souvenir. Free stalls (1) Complementary registration for 3 delegates**.**

3. Gold Sponsor (Rs. 2,00,000)

Name/logo of sponsor to be displayed at prominent places including dais/website. Advertisement in souvenir. Free stalls (1)
Complementary registration for 2 delegate.

4. Silver Sponsor (Rs. 1,00,000)

Advertisement in souvenir and to be displayed in website**.**
Complementary registration for 2 delegate.

EXTENDED SUMMARIES

The extended summaries of all the contributory papers will be published (Soft Copy) and provided to the delegates during the Symposium. These must reach the Secretary, ARRW in the prescribed format latest by December 31, 2026. Please ensure your registration by December 31, 2026 for inclusion of your 'Extended Summary' in the Pre-Symposium proceeding. 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 should be uploaded on the Symposium website or send it to arrwconference@gmail.com. Any further queries related to submission may be emailed to Organizing Secretary: arrwconference@gmail.com

REGISTRATION FEES DETAILS

■ REGISTRATION FEES

Instruction for Foreign Delegates

Scientist/Researcher	: US $ 250
Students/Researchers Scholars	: US $ 200
Accompanying members	: US $ 100

Indian Delegates

Participants (ARRW Member)	: ₹ 8000
Participants (ARRW Non-member)	: ₹ 9000
Student Participants	: ₹ 4000
Industry & Private Organizations	: ₹ 17000
Accompanying members	: ₹ 5000
*** Late fee after due date**	**: ₹ 1000**

Instruction for Delegates

- Symposium will be open to registrants only.
- The registration fee for the participants will cover participation in all scientific sessions, the proceedings and other printed materials of the meeting, welcome reception, lunch & dinner, tea/coffee during lecture breaks. It does not include charges for accommodation
- Registration is through website or QR code provided.
- Fees for foreign delegates are in US dollars or equivalent in Indian currency.

SCAN & PAY

Bank Account Details	
Name of Bank	STATE BANK OF INDIA
Branch Name	NAYABAZAR
Branch Code	2094
Beneficiaries/ Organization Name	ASSOCIATAION OF RICE RESEARCH WORKERS
Account Type	Current
Account Number	40058354535
MICR No. of Bank	753002016
IFSC Code	SBIN0002094

MERCHANT NAME:
ASSN OF RICE RES WORKERS
UPIID: SECRETARYARRW@SBI

ACCOMMODATION DETAILS

■ ACCOMMODATION

Accommodation is available at various hotels, especially for the Symposium delegates at discounted rates. Contact the organizers early as demand for rooms is very high during the conference period. The registration fee does not include accommodation charges. The participants are encouraged to make their own arrangements for stay. Delegates are requested to inform the organizers in advance for booking of accommodation.

Indian delegates interested in accommodation are requested to intimate the organizers preferably by January 31, 2027, for advance booking of accommodation in hotels, as limited accommodation is available in hotels.

■ HOTEL ACCOMMODATION

Name of the Hotel	Distance from Symposium Venue
Mayfair Lagoon, Bhubaneswar	30 Kms
Ginger, Bhubaneswar	30 Kms
Grand Residency, Kataka	8 Kms
Pramod Convention & Club Resort, Kataka	12 Kms
Hotel Bombay Inn, Kataka	6 Kms
Mahabir Galaxy, Kataka	10 Kms
Hotel Ashoka, Kataka	6 Kms
Hotel Ambika Residency, Kataka	8 Kms
Hotel Pipul Padmaja Pride, Kataka	4.7 Kms
Bnson Blue, Kataka	3.7 Kms
Hotel Tathastu, Kataka	3.8 Kms

FIELD VISIT, EXCURSION AND TOUR

Organizers will arrange visits to experimental fields and Research Institutes at Cuttack, Bhubaneswar, Puri on February 19 & 20, 2027. Delegates are requested to indicate their willingness to join the field visits, excursion and tours during registration.

1. Visit to Cuttack and Bhubaneswar based Experimental Fields, Museum and Research Institutes
2. Visit to Puri and Konark based Experimental Fields, 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 by the delegates





Address for Correspondence

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