



**3<sup>rd</sup> ARRW  
INTERNATIONAL SYMPOSIUM**  
**Frontiers of Rice Research for  
Improving Productivity, Profitability and  
Climate Resilience**

**February 6 - 9, 2018  
Cuttack, Odisha, India**

*Organizers:*  
**Association of Rice Research Workers &  
ICAR – National Rice Research Institute, Cuttack, Odisha India**

*In Collaboration with*  
Indian Council of Agricultural Research, New Delhi  
International Rice Research Institute, Philippines  
National Academy of Agricultural Sciences, New Delhi  
ICAR-Indian Institute of Rice Research, Hyderabad



ICAR, New Delhi



IRRI, Philippines



NAAS, New Delhi



IIRR, Hyderabad

## SYMPOSIUM IN BRIEF

### CLOSING DATES

Receipt of Extended Summaries	: December 15, 2017
Issue of Acceptance Letters for Papers	: December 31, 2017
Registration Fee without Late Fee	: December 31, 2017
Request for Accommodation	: January 15, 2018

### SYMPOSIUM PROGRAMME

Registration	: February 05-08, 2018
Inauguration	: February 06, 2018
Symposium	: February 06-08, 2018
Poster sessions	: February 06-08, 2018
Plenary lectures	: February 06-08, 2018
Valedictory Session	: February 08, 2018
Field Visits	: February 09, 2018

### SYMPOSIUM VENUE

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

### CONTACT

Dr. H Pathak  
Director  
ICAR – National Rice Research Institute  
Chairman, Local Organizing Committee and  
Convener, 3<sup>rd</sup> ARRW International Symposium, 2018  
ICAR – NRRI, Cuttack – 753 006, Odisha, India  
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Dr. SR Das  
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President, ARRW, ICAR – NRRI, Cuttack – 753 006, Odisha, India  
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Dr. BB Panda  
Organizing Secretary, 3<sup>rd</sup> ARRW International Symposium, 2018 &  
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*For details of 3<sup>rd</sup> ARRW International Symposium 2018, , please visit our websites*  
[www.arrw-irs2018.org.in](http://www.arrw-irs2018.org.in)      [www.arrworyza.com](http://www.arrworyza.com)      [www.crri.nic.in](http://www.crri.nic.in)

## SCOPE AND OBJECTIVE

Rice (*Oryza sativa* L.) may be originated at least 130 million years ago and dispersed as a wild grass, the super continent that eventually broke up and drifted apart to become Asia, Africa, Australia, and Antarctica. Rice has always been one of the most important food crops in the world. It is estimated that 40% of the world's population take rice as their major source of food; 1.6 billion people in Asia take rice as their mainstay food. Rice is produced in a wide range of locations and under a variety of climatic conditions, from the wettest areas in the world to the driest deserts which is produced in 111 countries in the world and grown on 144 million farms worldwide -more than for any other crop. The developing countries, especially the Asian countries - the regions with high population density and the most rapid population growth produce and consume the most rice.

Global demand for food is rising because of population growth, enhanced income and changing food pattern. The population of world is expected to stabilize around more than 9 billion people by year 2050. The population growth will mainly restricted to rice-eating countries for which global food production needs to be increased by over 70% by 2050 to meet the overwhelming demand. Further, water scarcity and increasing competition for arable land put added pressure on agricultural production. In addition, climate change may affect the food production system and reduce reliance through altered weather patterns and increased pressure from pests and diseases particularly in rice. Therefore, the challenge of providing the farmers with tools and resources to enhance rice production with saving of natural resources in shrinking arable lands is an uphill task. Furthermore, this has to be achieved in a climate of increasing variability through climate resilient agricultural technology in which rice cultivation has to reduce its impact and participate to its mitigation. However, the problem can be solved through development of improved, environment-friendly and precise agricultural practices and high potential resilient varieties for different agro-ecosystems.

Recent breakthroughs in structural, functional and evolutionary rice genome biology have narrowed the gap between genetic variation and the phenotype performance and allowed the deciphering of the function of important genes underlying agronomically relevant traits pushing current scientific knowledge to address the need of sustainably increasing crop yields and global food security. Biotechnological tools have been deployed wherever necessary to enhance breeding efficiency and to save time. Transgenic rice and hybrid rice technology has been evolved as an essential tool for engineering new plant type, abiotic and biotic stress tolerance varieties. 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 drought and flood, reduce the environmental footprint of 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. Regional networks for the 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.

## SCIENTIFIC THEMES

### I. Genetic advancement for yield, quality and stress tolerance

- ✧ Plant genetic resource and its utilization
- ✧ Climate resilient and stress tolerant rice
- ✧ Breeding for resource use efficiency
- ✧ New plant type and hybrids
- ✧ Quality improvement and biofortification
- ✧ Novel approaches for rice improvement

## II. Molecular interventions for trait improvement

- ✧ Functional genomics for trait improvement
- ✧ Bioprospecting of genes and allele mining
- ✧ Transgenic rice
- ✧ Bioinformatics

## III. Efficient resources utilization and system analysis

- ✧ Resource conservation technologies and Conservation agriculture
- ✧ Climate smart production technology
- ✧ Nutrient and water use efficiency
- ✧ Innovative farming and cropping systems and its management
- ✧ Utilization of microbial resources
- ✧ Crop simulation and modelling

## IV. Biotic and abiotic stress physiology and management

- ✧ Pest dynamics under changing climatic scenario
- ✧ Host-Plant Resistance
- ✧ Next Generation Pesticides
- ✧ Integrated pest management
- ✧ Physiology and biochemistry under stresses
- ✧ Climate change adaptation and mitigation

## V. Farm mechanization and agro-processing

- ✧ Farm machinery development and refinement
- ✧ Drudgery reduction and energy efficiency
- ✧ Storage, processing and by-product utilization

## VI. Socioeconomics and agro-technology transfer

- ✧ Socio-economic assessment and gender issues
- ✧ Yield gap analysis and technology transfer
- ✧ IT based knowledge transfer
- ✧ Rice value chain models and marketing issues
- ✧ Agribusiness and entrepreneurship development
- ✧ Farm profitability and income enhancement

## SYMPOSIUM THEME 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 technologies, resource use efficiency etc. They would be requested to provide 2 - 3 pages write-up of their presentation along with brief biodata for inclusion in the Pre-Symposium Proceedings. Plenary lectures will be of 40-45 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 Symposium. Technical Committees constituted for symposium will identify 5-6 speakers. Each lecture will be of 15-20 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.

**Contributory papers:** This would provide an opportunity for oral presentation of research papers received/submitted for poster presentation. Limited number of papers may be selected by the committee for presentation based on importance of subject matter and its relevance to the sub themes of the symposium

and speakers will be informed well in advance for making the presentation. The presentation will be of 5-7 minutes.

**Poster presentations:** All the delegates will get an opportunity to present their research findings through poster presentation. 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. Material for fixing the posters will be provided by the organizers. Guidelines for poster preparation are given separately in this circular.

**Exhibition, Advertisement and Sponsor presentations:** Limited sponsor presentations will be arranged to provide an opportunity to sponsors to share their views and experiences with the delegates.

**Extended Summary:** Delegates will submit extended summary of their research paper before the last date; December 15, 2017. These extended summaries will be scrutinized and published in Pre- Symposium 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.

**Special Publication:** Organizers are making efforts to bring out special publications viz. special issue of *Oryza* on the occasion of symposium to give comprehensive coverage to the theme of the Symposium.

## REGISTRATION FEE

### Foreign delegates

Scientists / Researchers : US \$250 (SAARC countries); US \$350 (Other countries)

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

Accompanying member : US \$100

### 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 4,000 (after due date Rs 5000)

Industry & Private organization : Rs 10,000 (after due date Rs 12000)

Accompanying member : Rs 4,000

- ✳ 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 and printed material of the meeting, welcome reception, lunches and dinner, tea/coffee during lecture breaks. It does not include charges for accommodation.
- ✳ A Registration Form enclosed with this brochure (also available on Society website) should be filled in and sent to Organizing Secretary, 3rd ARRW International Symposium, Cuttack along with registration fee by December 31, 2017.
- ✳ The registration fee in the form of demand draft in favour of 'ARRW' payable at Cuttack may be sent to "Secretary, Association of Rice Research Workers, Cuttack (Odisha)- 753 006". Alternatively, fees can be deposited in the account of the Association (Account No. 10329387060, State Bank of India, Nayabazar, Cuttack, Code-2094, IFS Code-SBIN0002094, MICR No. - 753002016) and receipt may be emailed to the organizing secretary or to be upload online on the symposium website <http://www.arrw-irs2018.org.in>.
- ✳ Rupee is the national currency of India. All major currencies can be exchanged at the International Airports, 5-star hotels and Banks. Major currencies are accepted at the hotels and important shopping centers. International credit cards are widely accepted.
- ✳ Photocopy of registration form can be used.

## EXHIBITION

An exhibition will be organized at the Symposium venue during the Symposium. The exhibition area will be the focal point of the Symposium 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 3 m × 3 m space within the Exhibition area, having three sidewalls, carpet, 1 table, 2 chairs, one standard electric power point, two spot lights and dustbin.

## ADVERTISEMENT

In Souvenir of the Symposium, 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 Symposium 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.

Back Cover Page	: Rs. 50,000/-	Full Page Insertion	: Rs. 30,000/-
Inner Page of Back cover	: Rs. 40,000/-	Half Page Insertion	: Rs. 20,000/-

## SPONSORS

Organizers will be delighted to have you as sponsor for this International Event for addressing the issues of "Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience". This is an unique opportunity to promote your organization on the world stage. Sponsors of this Symposium will get marketing exposure to extensive on site visibility to post-event coverage. Sponsoring the Symposium is the ideal way to reach a huge gathering of scientists, administrators, policy and decision makers and consumers. This will provide an excellent opportunity for cost effective marketing. In order to provide maximum flexibility to the sponsors, we have different sponsorship levels, detail of which along with other information is available at the ARRW website: [arworyza.com](http://arworyza.com) and symposium website: [www.aarw-irs2018.org.in](http://www.aarw-irs2018.org.in). Sponsors may contact the organizers to negotiate various combinations in order to maximize their opportunities.

Platinum Sponsor	: Rs. 3 lakhs	Silver Sponsor	: Rs. 1 lakh
Gold Sponsor	: Rs. 2 lakh	Sponsors	: Rs. 50,000/-

## ACCOMMODATION

Accommodation is available at various hotels, especially for the conference 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 fill the form appended herewith (also available on society website) and remit at least one night's rent in advance for booking of accommodation. Indian delegates interested in accommodation are requested to intimate the organizers preferably by January 15, 2017, for advance booking of accommodation in hotels, as limited accommodation is available in hotels.

Name of Hotel	Distance from Symposium Venue	Rates*(Rs)
Mayfair Lagoon, Bhubaneswar	30 kms.	9,000-10,000
Ginger, Bhubaneswar	30 kms.	4,000
Grand Residency, Cuttack	08 kms.	2,000-4,000
Pramod Convention & Club Resort, Cuttack	12 kms.	4,000-5,000
Hotel Bombay Inn, Cuttack	06 kms.	1000-2,000
Mahabir Galaxy, Cuttack	10 kms.	1,500-2,500
Ambika Residency, Cuttack	10 kms.	1000-2,000
Hotel Ashoka, Cuttack	06 kms.	1,500
Benson & Blue	05 kms.	1,600-1,800

## FIELD VISIT, EXCURSION AND TOUR

### Visit to Experimental Fields and Research Institutes

Organizers will arrange visits to experimental fields and Research Institutes at Cuttack, Bhubaneswar, Puri on February 09, 2018. Delegates are requested to indicate their willingness to join the field visits, excursion and tours in the registration Form.

- ✳ Visit to Cuttack and Bhubaneswar based Experimental Fields, Museum and Research Institutes
- ✳ 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.

## ORGANIZING COMMITTEES

**Chief Patron: Prof. MS Swaminathan, Chairman, MSSRF**

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

### INTERNATIONAL ADVISORY COMMITTEE

- Dr. T. Mohapatra, Secretary, DARE & DG, ICAR, India (Chairman)
- Dr. Matthew Morell, DG, IRRI, Philippines
- Dr. Punjab Singh, President, NAAS, India
- Dr. Md. Shahjahan Kabir, DG, BRRI, Bangladesh
- Dr. VL Chopra, Ex-DG, ICAR, India
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- Dr. NS Rathore, DDG (Ag. Edn.), ICAR, India
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- Dr. JS Sandhu, Ex DDG, ICAR, India
- Dr. DP Ray, Ex-VC, OUAT, India
- Dr. RB Singh, Ex-President, NAAS, India
- ET Rasco Jr., ED, Phil Rice, Philippines
- Dr. Ian Graham, UY, UK
- Dr. Adam H Price, Professor, UA, UK
- Dr. Peter Smith, Professor, UA, UK
- Dr. Udaya Sekhar Nagothu, NIBIO, Norway
- Dr. US Singh, IRRI, New Delhi
- Dr. Susan Mc Couch, CU, USA
- Dr. Ismail A Bagi, IRRI, Philippines
- Dr. NP Singh, Director, NIASM, India
- Dr. Arvind Kumar, IRRI, Philippines
- Dr. PK Agarwal, IWMI, New Delhi
- Dr. KK Jena, IRRI, Philippines
- Dr. V Ravindrababu, Ex-Director, IIRR, India
- Dr. SR Das, President, ARRW, India
- Dr. H Pathak, Director, NRRI, India (Member Secretary)

### NATIONAL ADVISORY COMMITTEE

- Dr. H Pathak, Director, NRRI, Cuttack (Chairman)
- Dr. IS Solanki, ADG, (F&FC), ICAR, New Delhi
- Dr. PK Agarwal, ADG, ICAR, New Delhi
- Dr. SP Kimothi, ADG, ICAR, New Delhi
- Dr. SK Chaudhari, ADG, ICAR, New Delhi
- Dr. DS Brar, Ex-Scientist, PAU, Ludhiana
- Dr. SK Ambast, Director, IIWM, Bhubaneswar
- Dr. (Mrs.) J. Kishwaria, Director, CIWA, Bhubaneswar
- Dr. A Pattnayak, Director, VPKAS, Almora
- Dr. N Prakash, Director (A), ICAR RCNEHR, Barapani
- Dr. JK Sundaray, Director (A), CIFA, Bhubaneswar
- Dr. AR Sharma, Ex- Director, DWR, Jabalpur
- Dr. P Kaushal, JD, NIBS, Raipur
- Dr. YS Shivay, Professor, IARI, New Delhi
- Dr. SK Bandyopadhyay, Prof., IARI, New Delhi
- Dr. PN Jagdev, DR, OUAT, Bhubaneswar
- Dr. LM Garnayak, DCA, OUAT, Bhubaneswar
- Dr. PK Roul, DE, OUAT, Bhubaneswar
- Dr. UK Behera, PS, IARI, New Delhi
- Dr. AK Shukla, PD, Bhopal
- Dr. M Variar, IRRI, Philippines
- Dr. BS Das, Prof., IIT Kharagpur
- Dr. AP Singh, BHU, Varanasi
- Dr. VK Tiwary, IIT Kharagpur, West Bengal
- Dr. S Mohanty, USA

Dr. AK Singh, Head, PBG, IARI, New Delhi  
Dr. AK Nayak, Head, CPD, NRRI, Cuttack  
Dr. M Jena, Head, CPTD, NRRI, Cuttack  
Dr. SG Sharma, Head, CPBD, NRRI, Cuttack  
Dr. ON Singh, Head, CID, NRRI, Cuttack  
Dr. P Samal, Head, SSD, NRRI, Cuttack

Dr. Juhar Ali, IRRI, Philippines  
Dr. PC Rath, VP, ARRW, Cuttack  
Dr. SK Routray, VP, ARRW, Cuttack  
Dr. SK Pradhan, Editor-in-Chief, ARRW, Cuttack  
Dr. SK Dash, Treasurer, ARRW, Cuttack  
Dr. BB Panda, Secretary, ARRW, Cuttack  
(Member Secretary)

## LOCAL ORGANIZING COMMITTEE

Chairman: Dr. H Pathak

Co-Chairman: Dr. SR Das

Organizing Secretary: Dr. BB Panda

### Steering Committee

Chairman: Dr. H. Pathak

Co-Chairman: Dr. SR Das

Convener: Dr. BB Panda

### Invitation & Reception Committee

Chairman: Dr. BB Panda

Co-Chairman: Dr. SK Dash

Convener: S Munda

### Hall Management Committee

Chairman: Dr. MJ Baig

Co-Chairman: Dr. Lipi Das

Convener: Dr. T Adak

### Program & Publication Committee

Chairman: Dr. AK Nayak

Co-Chairman: Dr. SK Pradhan

Convener: Mr. A Kumar

### Registration Committee

Chairman: Dr. P Swain

Co-Chairman: Dr. P Bhattacharya

Convener: Dr. K Chakrabarty

### Poster Session Committee

Chairman: Dr. JN Reddy

Co-Chairman: Dr. SD Mohapatra

Convener: Dr. Md. Shahid

### Food Committee

Chairman: Mr. RK Sahu

Co-Chairman: Mr. SSC Pattanaik

Convener: Mr. BC Marndi

### Exhibition, Publicity Press and Media Committee

Chairman: Dr. NC Rath

Co-Chairman: Dr. SK Mishra

Convener: Dr. R Tripathi

### Health Services Committee

Chairman: Dr. SG Sharma

Co-Chairman: Dr. J Pani

Convener: Mr. AK Nayak

### Excursion/Tour/Field Visit Committee

Chairman: Dr. P Samal

Co-Chairman: Dr. SK Routray

Convener: Dr. SK Mishra

### Transport and Accommodation Committee

Chairman: Dr. S Saha

Co-Chairman: Dr. PC Rath

Convener: Dr. S Lenka

### Finance & Accounts Committee

Chairman: Dr. BC Patra

Co-Chairman: Dr. S Samantray

Convener: Dr. SK Dash

### Cultural Program Committee

Chairman: Dr. (Mrs.) M. Jena

Co-Chairman: Dr. (Mrs.) MK Kar

Convener: Dr. Lipi Das

## CALL FOR 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 December 15, 2017. 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) or upload in the symposium website <http://www.arrw-irs2018.org.in> online with participation form.

## POSTER PRESENTATION GUIDELINES

- ✧ There will be a theme wise 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 themes of the symposium 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. The following guidelines may be adhered for the preparation of paper's poster for sake of uniformity.
- ✧ 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 1.20 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 theme-wise, numbered and listed in the final programmes. Posters will be evaluated by a Committee for awards.

## 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.

**VISA:** A valid VISA is necessary for all overseas delegates and all delegates are requested to apply at least 6 to 8 weeks before the proposed date of departure. For China and SAARC countries a permission authorization will be sent to the respective Indian Consulate Office in their country; however, the individual delegates are required to apply for Indian visa, well in advance.

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

**LETTER OF INVITATION:** Individuals requiring an official letter of invitation in order to obtain a visa and authorization to attend the symposium should contact the Organizing Committee. An invitation letter will be

sent on request to registered delegates only. The letter of invitation does not financially obligate the symposium organizers in any way. All expenses incurred in relation to the symposium are the sole responsibility of the participant.

**CURRENCY:** The currency of India is Indian Rupees. One Rupee is divided into 100 paise. Rupee currency notes come in the denomination of 5, 10, 20, 50, 100, 200, 500 and 2000. Current exchange rate is: US \$ 1 = Rs. 65/-, 1 Euro = Rs. 75/- (approx.)

**BANKING AND EXCHANGE FACILITIES:** Currency exchange facilities are available at banks and hotels. Most banks are open from 10 am to 2 pm from Monday to Friday; however, some banks offer extended banking hours. 24 hours ATMs are located in shopping centers and many neighborhood markets.

**ELECTRICITY:** In India electricity is provided at 220 V, 50 Hz. Sockets take round pins (2 or 3). Adapters are generally available at all hotels.

**TAXI:** Taxis are on call 24 hrs over the telephone. Air-conditioned (AC) taxis are available at both the International and domestic terminals. In addition, there are prepaid counters at the airport for travel to any part of the city.

## ABOUT CUTTACK

The Silver City 'Cuttack is the former capital and one of the oldest cities of Odisha State. The name of the city is an anglicized form of Kataka that literally means "The Fort". It is located about 28 km to the north east of Bhubaneswar, the capital city of Odisha. Cuttack is famous for its unique silver filigree work. The city is well connected with all other important cities of India by the network of 'Indian Railway' as well as by air via Biju Patnaik International Airport, Bhubaneswar.



A lot of architectural wonders and heritage sites in Odisha offer breathtaking views and a wholesome experience to the tourists visiting the State. The 'Jagannath Temple', located in the coastal town of Puri, 90 km away from Cuttack, is a famous 'Hindu Temple' dedicated to Lord Jagannath (Krishna). Konark, located at a distance of nearly 80 km from Cuttack, is famous all over the world for its magnificent 'Sun Temple' which is a world heritage monument declared by the UNESCO. The open air zoo 'Nandankanan National Park' is located at a distance of 20 km from Cuttack. It is famous for the rare white tigers, reptiles and snakes. 'Lingaraj Temple', dedicated to lord Shiva is located in the Temple City Bhubaneswar. 'Dhauli Hill', one of the most visited Buddhist pilgrim destinations in India, is located at a distance of 8 km from Bhubaneswar. The edicts at Dhauli are a living testimony to Emperor Ashoka's adoption of the doctrine of non-violence. Khandagiri and Udayagiri caves of Bhubaneswar are famous shrines of Jains. Incidentally, Koraput district of Odisha is identified as a place of secondary origin of rice.

## TIMEZONE

Indian Standard Time is 5½ hours ahead of GMT, 10½ hours ahead of American Eastern Standard Time.

## WEATHER

At the time of the Symposium the climate in Cuttack will be pleasant with clear skies and plenty of sunshine. The day temperature ranges from 25-27°C.

## ACCOMMODATION/TOUR & TRAVEL FORM

### 3<sup>rd</sup> ARRW INTERNATIONAL SYMPOSIUM 2018

Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience  
February 06-09, 2018; National Rice Research Institute, Cuttack, Odisha, India

Family Name Dr./Prof./Mr./Ms.....

First Name ..... Middle Name..... Sex: M/F.....

Designation/Post Held..... Discipline.....

Full Address.....

City..... State..... Postal Code..... Country.....

Telephone..... Fax..... Email.....

Food Choice: Vegetarian  Non-Vegetarian

#### PASSPORT DETAILS (For Foreign Delegates)

Passport No..... Place of Issue..... Date of Issue.....

Date of Expiry..... Place of Birth..... Date of Birth.....

Accommodation Required: Yes  No

Type of Room Required: Single  Double  No. of Occupants.....

Check-in date..... Check-out date..... Total nights.....

#### FLIGHT DETAILS

Do you require arrival transfer: Yes  No  Per transfer cost Rs.....

ARRIVAL: Date..... Time..... Flight Number..... From..... To.....

DEPARTURE: Date..... Time..... Flight Number..... From..... To.....

#### DETAIL OF PAYMENT

Amount Paid₹/US\$..... Mode of payment (Out of three options).....

MODE OF PAYMENT: Demand Draft  Electronic Funds Transfer  Online Payment

**DEMAND DRAFT/CHEQUE:** Registration fee may be sent through Demand Draft/Cheque at part in favour of Association of Rice Research Worker, Payable at State Bank of India, Nayabazar, Cuttack.

DD/Cheque No..... Date..... Bank.....

#### ELECTRONIC FUNDS TRANSFER

1. Account Name : ASSOCIATION OF RICE RESEARCH WORKERS

2. Account Number : 10329387060

3. Bank : State Bank of India

4. Branch : Nayabazar, Cuttack-753004

5. IFS Code : SBIN002094

6. MICR No. : 75300201

6. Bank Charges shall be borne by the remitter.

**Please return this duly filled form along with payment by December, 15, 2018 to:**

Secretary, Association of Rice Research Workers

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

Phone: 91-0671-2367777-282 (Office); Fax: 91-671-2367663; E-mail: secretaryarrw@gmail.com

## REGISTRATION FORM

### 3<sup>rd</sup> ARRW INTERNATIONAL SYMPOSIUM - 2018

Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience  
February 06-09, 2018; National Rice Research Institute, Cuttack, Odisha, India

Family Name Dr./Prof./Mr./Ms.....  
First Name ..... Middle Name ..... Sex: M/F.....  
Designation/Post Held..... Discipline.....  
Full Address.....  
City..... State..... Postal Code..... Country.....  
Telephone..... Fax..... Email.....  
Food Choice: Vegetarian  Non-Vegetarian

#### PASSPORT DETAILS (For Foreign Delegates)

Passport No.....Place of Issue.....Date of Issue.....  
Date of Expiry.....Place of Birth.....Date of Birth.....  
Address as per the passport.....  
Father's/Husband's name.....Nationality.....  
Accompany Person (1)..... (2).....  
Accommodation Required: Yes  No  (If Yes Indicate affordable Hotel rent range starting from ' 850/day)  
Sub-Themes of Interest.....Types of Presentation: Oral  Poster   
Title of Paper.....  
Field Visit: Yes  No  Preference order of Field visit:.....  
Details of Registration Fee Payment :  
Amount Paid₹/US\$.....Mode of Payment.....Details of Payment.....

#### IMPORTANT INSTRUCTIONS TO FILL THE FORM

- \* For filling information pertaining to registration fee amount, range of Hotel Charges, sub- themes/symposia of conference, type of presentation and for field visit see details as given in the second circular, available on Society website : [www.arworyza.com](http://www.arworyza.com) & symposium website: <http://www.arrr-irs2018.org.in>
- \* Fill the Form clearly in bold letter
- \* Fees for foreign delegates are in US Dollars or equivalent in Indian Currency.
- \* Photocopy of registration form can be used along with payment by December 31, 2018 to : Secretary, Association of Rice Research Workers, National Rice Research Institute (ICAR), Cuttack - 753 006, Odisha, India Phone : 91-0671-2367777-282 (Office); Fax : 91-671-2367663. E-mail : [secretaryarrr@gmail.com](mailto:secretaryarrr@gmail.com)

MODE OF PAYMENT: Demand Draft  Electronic Funds Transfer

**DEMAND DRAFT/CHEQUE:** Registration fee may be sent through Demand Draft/Cheque at part in favour of Association of Rice Research Worker, Payable at State Bank of India, Nayabazar, Cuttack.

DD/Cheque No..... Date..... Bank.....

#### ELECTRONIC FUNDS TRANSFER

1. Account Name : ASSOCIATION OF RICE RESEARCH WORKERS
  2. Account Number : 10329387060
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  5. IFS Code : SBIN002094
  6. MICR No. : 75300201
6. Bank Charges shall be borne by the remitter.

**NOTE:** Conference will be open to registrant only. The registration fee for the participant will cover participation in all scientific sessions, the proceedings and other printed material of the meeting, welcome reception, lunches and dinner, tea/coffee during lecture breaks. It does not include charges for accommodation.