



3rd

NATIONAL BRASSICA CONFERENCE

"Enhancing Oilseed *Brassica* Production Through Climate- Smart Technologies"

February 16-18, 2017

Organized by



Society for Rapeseed-Mustard Research (SRMR)
Bharatpur

in collaboration with



ICAR-Indian Agricultural Research Institute (IARI)
New Delhi



National Academy of Agricultural Sciences (NAAS)
New Delhi

VENUE

IARI, New Delhi

National Academy of Agricultural Sciences has mandated the Professional Associations of Agriculture Science (PAAS) to organize a symposium on "Climate Smart Agriculture" connecting to the specialized area of society, before 13th Agricultural Science Congress (ASC) to be held at Bengaluru from February 21-24, 2017. The recommendations of these Symposia are proposed to be presented during a special session during ASC. This will help in defining a unified path for achieving the goal of climate smart agriculture in the country. In line with this, the Society for Rapeseed-Mustard Research (SRMR), Bharatpur, India announces organization of **3rd National Brassica Conference (NBC-2017)** on '**Enhancing Oilseed Brassica Production Through Climate-Smart Technologies**' at the ICAR-Indian Agricultural Research Institute (IARI), New Delhi from February 16-18, 2017.

India is world's fourth largest edible oil economy after the U.S., China and Brazil. Globally, it contributes almost six per cent of global vegetable oil production; 14 per cent of vegetable oil imports and 10 per cent of edible oils. The total market size of the Indian oilseed sector is about Rs 600 billion (US\$13.4 billion). In the context of national agricultural system, oilseeds occupy 13 per cent of the country's gross cropped area and 3% to gross national products and 10% value of all agricultural products. Groundnut, soybean and rapeseed-mustard are the major oilseeds and contribute approximately 80 per cent of production. The average contribution of rapeseed-mustard to the total oilseed production in India was 24.2%, with its average productivity 1083 (kg/ha) during 2014-15. Though, rapeseed-mustard is placed 2nd in terms of production, after soybean, it ranks 1st in terms of oil yield among all oilseed crops. Oilseed Brassicas grown in India are *B.juncea*, *B.rapa*, *B. napus* and *B. carinata*. *B. juncea* predominates and accounts for about 90% area under rapeseed-mustard crops. These crops are grown in diverse agro-climatic conditions varying from north-eastern/north-western hills to down south under irrigated/rainfed, timely/late sown and sole/mixed cropping.

India is the second largest importer of edible oilseeds after China. Country needs to spend over 60,000 crores annually to augment domestic supplies. Thus, attaining self-sufficiency in edible oil sector is critical for reducing current account deficit and also edible oil security of a burgeoning population. This necessitates a comprehensive road map to meet the challenge of bridging the widening gap of demand and production of edible oil and Rapeseed-mustard is expected to play a major role. However, attempts to enhance its productivity significantly are not fully successful due to their cultivation under diverse and mostly constrained ecologies. Climate change can further limits the productivity potential of the crop. In this context, the Society for Rapeseed-Mustard Research (SRMR) has the responsibility to meet the aspirations of various stakeholders by providing an intellectually stimulating platform for discussing key issues related to 'Climate-Smart Oilseed Brassica Technologies' in all its facets; including socio-economic, empowerment of marginal farmers through technology development and policy initiatives for sustainable farming, and natural resource management in tune with global climate change.

The broad objective of 3rd NBC is to develop the road map for sustainable increase in rapeseed-mustard productivity and income in order to achieve national edible oil security and development goals in changing climate.

TARGET PARTICIPANTS

Oilseed Brassica scientists from across the country, entrepreneurs in rapeseed-business, policy makers, students and farmers will be participating in the conference. The conference will also provide opportunities for the agri-input sector including seed companies, manufacturers of fertilizers, agro-chemicals, pharmaceuticals, farm, laboratory and dairy feed industries, insurance companies and agriculture related service providers to showcase their products and interact with their potential customers for both generating business and promoting innovation.

THEMES

Crop improvement strategies under changing climate

- Genetic enhancement for biotic and abiotic stresses
- Heterosis breeding
- Crop architectural breeding
- Genetic resources
- Quality improvement
- Innovative approaches
- Opportunities for new cruciferous crops

Climate change mitigation strategies for disease/pest management

- Host pathogen interactions
- Epidemiology and forecasting modeling
- Disease-pest management
- Survey and surveillance of new pests/pathogens

Resource use-efficient production technologies

- Nutrient use efficiency
- Soil fertility and microflora
- Sustainable production through resource conservation
- Organic production
- Carbon foot print
- Crop Physiology

Trading policies and innovative approaches for technology dissemination

- Demand-supply dynamics
- Economics, policy, market and trade intelligence
- Transfer of technology
- Public Private Partnership

Society for Rapeseed Mustard Research: The Society for Rapeseed Mustard Research was established in December 2008 at the Directorate of Rapeseed Mustard Research, Bharatpur with the primary objectives of organizing meetings, conferences, seminars, etc. with the aim of diffusing knowledge in rapeseed-mustard research and technology development among scientists and others; endeavouring to cooperate with other scientific bodies for purposes of common interests; encouraging original investigations and scientific studies in the field of rapeseed-mustard research and publishing research work and making them available online, wherever possible. To meet stated objectives, the society has previously organised two national conferences in March 2012 at CCSHAU, Hisar and February 2014 at PAU, Ludhiana on themes of importance.

The society has great pleasure in inviting you to attend the 3rd NBC at New Delhi during February 16-18, 2017. New Delhi will be hosting the NBC for the first time and is expected to attract a large number of very distinguished scientists from the country and abroad, in all concerned disciplines. The SRMR looks forward to your active participation and be a part of this historic event in sparking off the much needed paradigm shift in the practice of oilseed *Brassica* and the management of rapeseed-mustard production systems in the face of climate change.

ICAR-Indian Agricultural Research Institute, New Delhi: The journey of Indian Agricultural Research Institute (IARI), popularly known as Pusa Institute, established at Pusa (Bihar) in 1905, then known as Agricultural Research Institute (ARI). Following a devastating earth quake on 15th January 1934, the institute was shifted to Delhi on 29th July 1936. The present campus of the Institute is adjacent to hillside road and a self-contained sylvan complex spread over an area of about 500 hectares. It is located about 6 km west of New Delhi Railway Station and about 14 km east of IGI Airport. As the Mother of several ICAR institutions, IARI continues to serve as the leading institution for agricultural research, education and extension in the country.

Delhi Climate During Seminar: Delhi has a hot semi-arid steppe climate. The temperature during third week of February is expected not to exceed 25°C or drop below 8°C. The cloud cover is mostly clear and there is probability of precipitation during these days. Light woolen clothes are generally advised.

Submission of Abstracts: The participants may submit conceptual, review, research and case study based concise abstracts of about 400 words related to the objective of NBC through online submission system available at www.srmr.org.in/nbc/ with a copy to email: srmrconference@gmail.com to the Chairperson Publication Committee before the due date. It is needless to mention that the abstracts should be relevant to the themes of seminar. Not more than two abstracts/papers from each participant will be entertained. The text should be typed in single space and Times New Roman Font of size 12. Kindly do mention on the top of abstract, name of theme and sub-theme to which the abstract and or paper relates to, followed by Title, Authors' Name and Affiliation. In the end, details like; Name of the corresponding author, designation, complete address, Phone, Fax and Email may kindly be provided. Theme based papers will be screened for publication in special issue of society's Journal '**Journal of Oilseed Brassica**'. The authors will be informed for submission of full length papers which will be presented in the respective sessions also.

SRMR AWARDS

SRMR also proposes to confer following awards during the Conference. The applications in the prescribed format (available on Society's website : www.srmr.org.in) may reach to the Secretary, Society for Rapeseed Mustard Research, Directorate of Rapeseed Mustard Research, Sear, Bharatpur-321 303, Rajasthan before January 15, 2017 by email (srmr.india@gmail.com). Existing fellows can also make nominations with full justification for these awards.

- Life Time Achievement Award
- Dr. P.R. Kumar Outstanding Brassica Researcher Award
- Dr. P. R. Verma Young Scientist Award
- Fellowship of SRMR
- Best Ph.D. Thesis Award
- Best Oral Presentation Award
- Best Poster Award

ACCOMMODATION

Due to limited availability, accommodation in the IARI and sister institutes' guesthouses will be available to the confirmed delegates from SAUs and state departments only on first come first serve basis. For others, booking in nearby hotels may be facilitated, subject to payment of half tariff in advance. The requests for accommodation may be made to the Chairman Accommodation Committee (srmrconference@gmail.com) with intimation at srmr.india@gmail.com. Kindly confirm your participation well in advance so that the necessary arrangements may be made at our end.

REGISTRATION FEES (₹):

Type of Delegate	Early Bird	Normal	On Spot
SRMR Members	2500	3000	4000
Non Members	3500	4000	5000
Students/RAs/SRFs/ Farmers	1200	1500	2000
Corporate	4000	5000	6000
Accompanying person	1200	1500	2000

DETAILS FOR ONLINE TRANSFER/RTGS

Bank Name : State Bank of India	A/c. No.: 33479430343
Name of Account Holder : SRMR Conference	MICR No.: 321002002
Address of Branch : Kumher Gate (02313), Bharatpur	IFSC Code: SBIN0002313

SPONSORSHIPS AND ADVERTISEMENTS

Sponsorship Category and no.	Sponsorship Amount (₹)	Free delegates allowed	Free Advertisement in Souvenir
Platinum (1)	5,00,000	4	Full page
Diamond (2)	4,00,000	3	¾ page
Golden (4)	3,00,000	2	½ page
Silver (6)	1,50,000	1	¼ page

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IMPORTANT DATES

- Call for abstract : December 10, 2016
- Abstract closing date : January 15, 2017
- Notification of acceptance : January 15, 2017
- Early bird registration : Up to January 05, 2017
- Normal registration : Jan. 06 to Feb. 05, 2017
- Conference dates : **February 16-18, 2017**

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on

'Enhancing Oilseed *Brassica* Production Through Climate-Smart Technologies'

(February 16-18, 2017)

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and

National Academy of Agricultural Sciences, New Delhi 110012

REGISTRATION FORM

Delegates' Purpose: Chair/Co-Chair/Rapporteur/Awardee/Oral/Poster/Participation/Sponsor

1. Name (Ms./Mr./Dr.) :

2. SRMR Member : Yes No

3. Gender: (M/F) : **4. Designation :**

5. Full Address :

6. Contact Details (Mobile/Office/Fax/Email) :

7. Number of Accompanying Persons (Above 6 yrs of age) and Names :

8. Accommodation: Required/Not required (Number of members and dates) :

9. Details of Registration Fee Paid or Spot Payment: Cash/PO/DD (in favour of "SRMR Conference", payable at SBI, Bharatpur) or NEFT. Dated :

PO/DD/Transaction No. :

Signature of Participants



HAPPY NEW YEAR 2017

President's New Year Message !



Esteemed Members,

The importance and potential of rapeseed-mustard crop is well known as it is the key oilseed crop that can help in addressing the challenge of demand - supply gap of edible oils in India. I appreciate the persistent efforts of the rapeseed-mustard researchers which have led to the development of several improved promising Rapeseed - Mustard varieties, crop production and protection technologies.

I take this opportunity and honour to announce that the Society for Rapeseed Mustard Research (SRMR), Bharatpur is organizing the 3rd National Brassica Conference at Indian Agricultural Research Institute, New Delhi during Feb 16-18, 2017. As you all are aware that the society was established in 2008 and in a very short

span of time, it could be recognized by the National Academy of Agricultural Sciences (NAAS) by awarding NAAS rating to '**Journal of Oilseed Brassica**', which is a great honour for any academic society and its members. This all could happen due to the constant support of the esteemed members of the society in terms of submitting good research findings and by helping in reviewing the manuscripts before bringing them to the final shape of publications. For getting the NAAS rating, any academic society has to fulfill some basic criteria which include timely publishing of journal issues, online submission and publication, memberships, scientific contents, involvement in scientific deliberations like conferences, seminars, brainstorming sessions etc. which have fully been accomplished by the SRMR.

The society has organised two national conferences in 2012 at Hisar and 2014 at Ludhiana during past on important themes and the third one was due in 2016. Now the NAAS has mandated the Professional Associations of Agriculture Sciences (PAAS) to organize a symposium on "Climate Smart Agriculture" before 13th Agriculture Science Congress being held at Bengaluru from February 21-24, 2017. This conference will provide a platform to all the leading scientists, academicians, researchers, research scholars, students, industry partners, farmers and other stakeholders to exchange and share their experiences and research results on different aspects, discuss the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the sustainable production of rapeseed-mustard in view of climate change.

On behalf of executive of SRMR and organizers of 3rd NBC, **I take this opportunity to invite you for participation in the conference and wish you and your family A Very Very Happy and Prosperous New Year 2017.** Kindly encourage your colleagues and students to participate in this mega event to make it a grand success.

(Arvind Kumar)
President, SRMR
and
Vice Chancellor
RLBCAU, Jhansi