



5th

National Brassica Conference

“Oilseed Brassicas for Sustainability,
Profitability and Nutritional Security”

February 7-9, 2024

RARI, Durgapura, Jaipur 302018 (Rajasthan)

Organized by



**SOCIETY FOR RAPESEED-MUSTARD RESEARCH (SRMR),
ICAR-DRMR, SEWAR, BHARATPUR-321303, RAJASTHAN**

In Collaboration with



**ICAR-DIRECTORATE OF RAPESEED-MUSTARD RESEARCH,
BHARATPUR-321303, RAJASTHAN**

**&
SRI KARAN NARENDRA AGRICULTURE UNIVERSITY,
JOBNER-303329, JAIPUR, RAJASTHAN**

PREAMBLE



Society for Rapeseed-Mustard Research (SRMR), Bharatpur, India announces organization of **5th National Brassica Conference (NBC-2024) on “Oilseed Brassicas for Sustainability, Profitability and Nutritional Security”** at the RARI, (SKNAU), Durgapura, Jaipur 302018 (Raj) during February 7-9, 2024 in collaboration with ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur and Sri Karan Narendra Agriculture University, Jobner-303329 (Jaipur).

Global vegetable oil consumption is projected to increase by more than 3 percent in 2023-24 to 218.0 million metric tons, which is led by growth in oils consumption in Brazil, China, India, Indonesia, and the United States. India is the 4th largest oilseeds producer in the world. It has 20.8% of the total area under cultivation globally, accounting for 10% of global production. The Indian oilseeds market had total revenues of \$23.4 billion in 2022, representing a compound annual growth rate (CAGR) of 1.5%. Globally, Rapeseed-mustard is the largest oilseed crop and contributes about 14% of total oilseed production. The final estimates indicated that the overall record oilseed production amounted to 413.55 lakh tonnes, with rapeseed-mustard accounting for 126.43 lakh tonnes specifically in the year 2022-23. India's edible oil imports have witnessed a remarkable surge over the last ten years. In the fiscal year 2013-14, the country imported 11.6 million tonnes of edible oil, which was worth Rs 60,750 crore. However, in 2022-23, the figures have escalated to 16.5 million tonnes, valued at Rs 138,424 crore. The majority of this growth has been observed in the last three years.

In India, Groundnut, soybean and rapeseed-mustard are the major oilseeds and contribute approximately 80 per cent of oilseeds production. Rapeseed-mustard crops in India are grown in diverse agro-climatic conditions ranging from north-eastern to north western hills and down south under irrigated/rainfed, timely/late sown, saline soils and mixed cropping. Indian mustard accounts for about 80% of total hectares under these crops in the country. The average contribution of rapeseed-mustard to the total oilseed production in India was 24%, with its average productivity 1497 (kg/ha) during 2021-22. 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 70,000 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 limit the productive 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 **“Oilseed Brassicas for Sustainability, Profitability and Nutritional Security”** 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 5th NBC is to develop the road map for sustainable increase in rapeseed-mustard productivity and doubling of incomes 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 progressive 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

Genetic and genomics breeding

- Genetic evolution
- Genetic enhancement for biotic and abiotic stresses
- Heterosis and molecular breeding
- Crop architectural breeding
- Exploiting wider diversity
- Quality improvement and value addition

Resource use-efficient production technologies:

- Optimizing crop nutrition through precision agriculture
- Soil fertility and microflora
- Sustainable production through resource conservation
- Organic production
- Crop Physiology

Strategies for disease/pest management:

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

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 ICAR-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 four national conferences in March 2012 at CCSHAU Hisar, February 2014 at PAU, Ludhiana, February 2017 at IARI, New Delhi and February 2019 at CSAUAT, Kanpur on different themes of importance.

The society has great pleasure in inviting you to attend the 5th NBC at RARI, Durgapura, Jaipur (Rajasthan) during February 7-9, 2024. 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.



SRI KARAN NARENDRA AGRICULTURE UNIVERSITY, JOBNER

Sri Karan Narendra Agriculture University, Jobner, Jaipur is a premier agriculture institution of the country established in September 2013 by Government of Rajasthan. The territorial jurisdiction and responsibility of this University extend to the districts of Jaipur, Sikar, Alwar, Dausa, Tonk, Ajmer, Bharatpur and Dholpur. The university covers three agro-climatic zones including II A: Transitional plain of inland drainage - Sikar; III A: Semi-arid eastern plain zone- Jaipur, Ajmer, Tonk, Dausa; III B: Flood prone eastern plains- Alwar, Bharatpur, Dholpur. There are to total 35 colleges under the jurisdiction of SKNAU included 15 constituent colleges apart from 10 colleges of Government of Rajasthan and 10 private colleges. The University campus is located at Jobner, which is 45 Km by road from Jaipur. The nearest railway station is Asalpur-Jobner on Delhi- Ahmadabad railway line which is at 10 Km distance from the university campus. The nearest airport connecting the University is Jaipur at a distance of 60 Km.

About Jaipur

Jaipur is the capital of India's Rajasthan state. It evokes the royal family that once ruled the region and that, in 1727, founded what is now called the Old City, or “Pink City” for its trademark building color. At the center of its stately street grid (notable in India) stands the opulent, colonnaded City Palace complex. As one of the cities in the Golden Triangle, a tour circuit in India while the other two being Delhi and Agra, Jaipur has well-developed transport system and is well connected by highways, railways, and air. Flight is the most convenient and fastest Jaipur transportation. The international/domestic airport is 2 km far from the conference site. The trains run from Delhi to Jaipur (nearby Gandhinagar station) in to and fro movement, covering major cities and towns that include Agra, Jaisalmer, Bharatpur, etc.

Jaipur Climate during Seminar

Located in monsoon climate zone in South Asia, Jaipur weather during November to February have always been the peak travel months due to the comfortable weather. The temperature in Jaipur in winter is mild, and it is absolutely the best season to go for a visit. Weather is pretty warm during the daytime, it is suggested to wear light shirt, pants and a pair of casual shoes. But the temperature at night is pretty low, sometimes even goes down to below 10°C, so people also need to pack thin sweater and a coat.

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/ 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 and Email may kindly be provided.



SRMR Awards

SRMR also proposes to confer following awards during the Conference.

- Life Time Achievement Award.
- Brassica Gold Medal – for different disciplines
- Fellowship of SRMR
- Dr. P.R. Kumar Outstanding Brassica Researcher Award
- Dr. P. R. Verma Award for Best Ph.D. thesis
- Best M. Sc. Thesis Award
- Young Scientist Award
- Best oral presentation award
- Best poster award

Accommodation

Due to limited availability of accommodation in the RARI, Durgapura guesthouses will be available to the confirmed delegates from SAUs and state departments only on first come first serve basis. Booking in nearby hotels may be done directly as per suitability 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 Fee (Rs.)

Type of Delegate	Early Birds*	On Spot
SRMR Members	5000	6000
Non Members	6000	7000
Students/RAs/SRFs/ Farmers	3000	4000
Corporate	8000	10000
Accompanying person	3000	4000

*Registration upto January 20, 2024

Important Dates

- Call for abstract : December 7, 2023
- Abstract closing date : December 31, 2023
- Notification of acceptance : January 10, 2024
- Early bird Registration : Up to January 20, 2024
- Conference dates : February 7-9, 2024

Details for online transfer/RTGS



Bank Name:	State Bank of India
A/c. No.:	33479430343
Name of Account Holder:	SRMR Conference
Address of Branch:	STATE BANK OF INDIA, Kumhergate, Bharatpur (Rajasthan)
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Sponsorships and Advertisements

Sponsorship Category and no.	Sponsorship Amount (Rs.)	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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2. SRMR Member: Yes/No

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

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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 or NEFT. Dated:.....

PO/DD/Transaction No.:

Signature of Participants



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