



4th National Brassica Conference

February 1-3, 2019 | CSAUA&T, KANPUR

“Innovative Approaches in Oilseed Brassica Towards Self Sufficiency”

Organized by



SOCIETY FOR RAPESEED-MUSTARD RESEARCH (SRMR)

BHARATPUR-321303 (RAJASTHAN) INDIA

in collaboration with



CHANDRA SHEKHAR AZAD UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

KANPUR-208002 (UP) INDIA

successful 10 years

VENUE

CSAUA&T, KANPUR-208 002 (UP)

Society for Rapeseed-Mustard Research (SRMR), Bharatpur, India announces organization of 4th **National Brassica Conference (NBC-2019)** on “**Innovative Approaches in Oilseed Brassica Towards Self Sufficiency**” at the Chandra Shekhar Azad University of Agriculture & Technology (CSAUA&T), Kanpur during February 1-3, 2019.

India is world's fourth largest edible oil economy after the U.S., China and Brazil. Globally, it contributes almost 6% of global vegetable oil production; 14 % of vegetable oil imports and 10 % 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 % 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 % of production. The average contribution of rapeseed-mustard to the total oilseed production in India was 25.2%, with its average productivity 1304 (kg/ha) during 2016-17. 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.

The estimated area, production and yield of rapeseed-mustard in the world was 36.68 million hectares (mha), 72.42 million tonnes (mt) and 1974 kg / ha, respectively, during 2017-18. Globally, India account for 19.8 % and 9.8% of the total acreage and production (USDA 2016-17). During the last seven years, there has been a considerable increase in productivity from 1840 kg/ha in 2010-11 to 1974 kg/ha in 2017-18 and production has also increased from 61.64 m t in 2010-11 to 72.42 m t in 2017-18. Rapeseed–mustard crops in India are grown in diverse agro climatic conditions ranging from north-eastern / north western hills to down south under irrigated/rainfed, timely/late sown, saline soils and mixed cropping. Indian mustard accounts for about 75-80 % of the 6.07 m ha under these crops in the country during 2016-17 crop season. 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 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 '**Innovative Approaches in Oilseed Brassica Towards Self Sufficiency**' 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 4th 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

Evolution, traits genetic and breeding

- Genetic enhancement for biotic and abiotic stresses
- Heterosis breeding
- Crop architectural breeding
- Exploiting wider diversity

- Molecular and genetic basis of plant-insect-pest interaction
- Quality improvement and value addition
- Opportunities for new cruciferous crops

Resource use-efficient production technologies

- Optimizing crop nutrition through precision agriculture
- Soil fertility and microflora
- Sustainable production through resource conservation
- Organic production
- Crop Physiology
- Farm mechanization and Post harvest technology

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

- Development and Adoption of Agricultural Innovations
- New approaches for transfer of technology
- Demand-supply dynamics and increasing farmer income
- Economics, Policy, Market and Trade intelligence
- Public Private partnership and linking of production & processing

Society for Rapeseed-Mustard Research, Bharatpur: 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 three national conferences [in March 2012 at CCS HAU Hisar, February 2014 at PAU, Ludhiana and February 2017 at IARI, New Delhi] on different themes of importance.

The society has great pleasure in inviting you to attend the 4th NBC at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur (UP) during February 1-3, 2019. 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.

Chandra Shekhaer Azad University of Agriculture & Technology, Kanpur:

Chandra Shekhaer Azad University of Agriculture & Technology, Kanpur is a premier agriculture institution of the country. University has a strong foundation laid as early 1893. It was pioneering Agriculture College, catering to the needs of agricultural education in pre-independence India. This institution continued its journey in independent India attaining its present status of University after several stages of metamorphosis. From School of Agriculture in 1893, becoming Kanpur Agriculture College in 1906, in the year 1930, won its emergence as Government Agriculture College, in 1969, it was renamed UP Institute of Agriculture Sciences, finally attaining the status of University in 1975. Today, the University has mandate of developing high yielding, bold seeded and early maturing rapeseed-mustard varieties with high oil content. 28 varieties of rapeseed-mustard have been released and notified from this University. Among these RT-11 is the first Indian mustard variety released in 1936 from this pioneer institute in the country. Varuna (T-59) variety of Indian-mustard was awarded as landmark variety by the Indian Society of Genetics and Plant Breeding, IARI New Delhi in 2017 released from here in 1964. The research in Agriculture, allied areas undertaking field and Extension programme in its service area, spread in 22 districts of Uttar Pradesh with its seven Colleges viz., Agriculture, Horticulture, Agro-forestry, Home-Science at Kanpur and Fisheries, Dairy Technology and Agricultural Engineering at Etawah campus.

The university provides training to farmers and officials in agricultural technologies. An Agricultural Technology Information Centre at the main gate provides information to the farmers in the region. It has contributed to the evolution of agro-techniques suited individual ecosystem. The present campus is located at VIP Road, Kanpur, Uttar Pradesh, away about 10 km from Kanpur Central Railway Station. As the Mother of

several ICAR institutions, CSAUA&T continues to serve as the leading institution for agricultural research, education and extension in the country.

About Kanpur: Kanpur formally Cawnpore city lies in the Lower Ganges- Yamuna Doab on the Ganges (Ganga) River, about 72 Km, southwest of Lucknow. Believed to be founded by king Hindu Singh of the erstwhile state of Sachendi, Kanpur was originally known as Kanhpur. Kanpur is the biggest city of the state and is the main center of commercial and industrial activities. Formerly it was known as Manchester of India. Now it is the commercial capital of Uttar Pradesh. It is situated on the most important national highways no. 2 and 25, the main Delhi - Howrah railway trunk lines & at the bank of the holy river Ganga. It is about 125 meters about the sea level. Presently civilian air-service to Delhi is available from the city at Ahirwan Airport (Kanpur). The other nearest civilian airport Amausi (Lucknow) is 65 km away from Kanpur.

Kanpur Climate during Seminar: Kanpur has a hot semi-arid steppe climate. The temperature during first 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/ on or 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.

SRMR AWARDS

SRMR also proposes to confer following awards during the Conference. The applications in the prescribed format (available on Society's website) may reach to the Secretary, Society for Rapeseed Mustard Research, Directorate of Rapeseed Mustard Research, Bharatpur-321 303, Rajasthan before January 15, 2019 by email (srmr.india@gmail.com). Existing fellows can also make nominations with full justification for these awards.

- 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
- Young Scientist Award
- Best oral presentation award
- Best poster award

ACCOMMODATION

Due to limited availability, accommodation in the CSA University of Agriculture and Technology Kanpur (UP) 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 Dr. S. K. Gupta, HOD, Genetics & Plant Breeding (skguptacsa@gmail.com, mobile-09412407644) and Dr. Rajeev Singh (rajiv.agro69@gmail.com, mobile-0876500151) 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 (Rs.)

Type of Delegate	Normal*	On Spot
SRMR Members	4000	5000
Non Members	5000	6000
Students/RAs/SRFs/ Farmers	2500	3000
Corporate	6000	7000
Accompanying person	2500	3000

*Registration upto January 15, 2019

DETAILS FOR ONLINE TRANSFER/RTGS

Name of Account Holder: N B C -2019

Bank Name: IDBI Bank

A/c. No.: 2024104000030728

IFSC Code: IBKL0002024

Address of Branch: IDBI BANK Limited C S A U Campus, Azad Nagar, Kanpur-208002 (U P)

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)	4000,000	3	¾ page
Golden (4)	3,00,000	2	½ page
Silver (6)	1,50,000	1	¼ page
Gala Dinner 1Feb,19	5,00,000	4	Full page
Lunch On 2/3 feb,19	3,00,000	2	½ page

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IMPORTANT DATES

Call for abstract	:	January 10, 2019
Abstract closing date	:	January 15, 2019
Notification of acceptance	:	January 20, 2019
Early bird Registration	:	Up to January 10, 2019
Normal registration	:	Jan. 10 to Jan 25, 2019
Conference dates	:	February 1-3, 2019

CONTACT US

Organizing Secretary

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For more details, visit us at

www.srmr.org.in/nbc

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REGISTRATION FORM

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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 “NBC-2019”, payable at IDBI BANK Limited, CSAUA&T Campus, Azadnagar, Kanpur 208 002) or NEFT. Dated :

PO/DD/Transaction No. :

Signature of Participants