

Global Potato Conclave 2020

Roadmap for a Better World



Mahatma Mandir, Gandhinagar, Gujarat, India
28-31 January, 2020



Indian Potato Association
Shimla



ICAR-Central Potato Research Institute
Shimla



Indian Council of Agricultural Research
New Delhi



Dear friends,

It is my pleasure to announce that the Indian Potato Association (IPA) in collaboration with ICAR-Central Potato Research Institute, Shimla and Indian Council of Agricultural Research, New Delhi, is going to organize the Global Potato Conclave 2020 (GPC 2020) at Gandhinagar, Gujarat, India during 28–31 January, 2020. This mega event is having equally important three major components; (i) Potato Conference, (ii) Potato Expo and (iii) Potato Field Day. The GPC 2020 will provide an opportunity to researchers to present their work and share their knowledge with national and international scientists and academicians; to trade and industries to showcase their products/technologies/implements etc. and to the farming communities about the latest in potato technologies related to various components of potato value chain including seed, production technology, storage, marketing etc. It is expected that more than 2500 academicians, researchers, farmers, representatives from trade and industries, officials from various Govt. Organizations, students etc. will be participating in this mega event. The Conclave will be organized at Mahatma Mandir, Gandhinagar, Gujarat, which provides 5 star facilities for holding such events.

On behalf of organizers of the GPC 2020, I warmly invite you to participate in this global event and add value to the three dimensions of potato; Farming, Health and Business. You can contribute as researcher through lead papers, oral/poster presentation. If you deal with any aspect of trade in potato you can demonstrate/ display your products/ technologies. As industry you can showcase your tools/ implements/ any other relevant process or product. Field Day component of this conclave will provide a platform for live demonstrations of your technologies/varieties/tools or implements etc which is expected to be a very effective demonstration, meant for developers as well as the end user. I do hope that your participation in the Conclave will help in devising a systems based roadmap for enhancing the role of potato in making our world a better one for all. Being at the venue of the Conclave will itself have the feel of our rich cultural heritage.

SK CHAKRABARTI

Chairman, Organizing Committee



Potato is the third most important food crop in the world after rice and wheat in term of human consumption. Its importance in food and nutritional security of the world had led to official declaration of the year 2008 as the *International Year of the Potato* by the United Nations, which was celebrated internationally with much fanfare and in India also a Global Potato Conference was organized in December 2008 at New Delhi to mark the event. More than a decade elapsed after that and it is high time now to deliberate on the decadal progress in the potato sector with a view to prepare a roadmap for next ten years aligning with the Sustainable Development Goals of the United Nation.

The growth of potato in the world has been phenomenal during last six decades (1961 to 2016). During the period, although the area under potato has decreased from 22.14 to 19.24 million hectare, the production increased by nearly 40% (270.55 to 376.82 million



tonnes) with a productivity increase of about 60% (12.21 to 19.5 t/ha). With accelerated economic development world over and change in food habit, there is ample opportunity for more demand of potato in terms of fresh consumption, processing, export, as well as quality seed. This would lead to diversification in production, consumption, utilization, and trade, thereby boosting world economy. To meet the growing demand, world over potato production needs to increase by 89% to 711.5 million tonnes by 2050. However, increasing cost of cultivation, especially farm inputs (quality seeds and fertilizers cost), comparatively less price of fresh potato produce, stagnation in productivity, decreasing cultivable land area, more complex biotic and abiotic stresses, inadequate availability of quality seeds and variety, post-harvest losses, meager value addition, and the changing climate are posing serious threats to sustainable potato production and utilization. To meet the future challenges and utilize the opportunities that emerge ahead, further strengthening of research and development network for increasing productivity would be

necessary. Various issues in different potato value chains need to be addressed with sound scientific background and the new frontiers need to be identified in potato research and development. The Global Potato Conclave will provide an opportunity to bring all stakeholders at one common platform so that all the issues are discussed and future plans are made

involving everyone related to the potato sector. The Global Potato Conclave is proposed to be held during 28–31 January 2020 at Gandhinagar, Gujarat, India to highlight achievements and opportunities in the area of potato research, trade and industry, and value chain management. The major themes of the Conclave will be as follows:

Themes

Germplasm Management and Next Generation Breeding

Potato Biotechnology and Omics

AI and ICT in Potato R&D

Climate Change and Crop Management

Potato Disease Management

Potato Pest Management

Advances in Seed Technology

Post-Harvest Management and Value Addition

Potato Value Chain Management, Trade and Industry

Technology Transfer, Policy and Social Issues

Organizers

Indian Potato Association

Indian Potato Association (IPA) was established in 1974, to advance the cause of potato research and development. The Headquarter of IPA is located at ICAR-Central Potato Research Institute (CPRI), Shimla, Himachal Pradesh, India.

year 1999 was a milestone in the history of Association when it organized a Global Conference on Potato at New Delhi to celebrate its 25th year jointly with ICAR-Central Potato Research Institute, Shimla that also completed its 50th year. To commemorate the “International Year of the Potato” in 2008, Indian Potato Association organized the Global Potato Conference in New Delhi. The conference was attended by 551 delegates from more than 30 countries including 84 foreign delegates. These conferences were acclaimed as the

best organized conferences in both by national and international agencies.

To promote exchange of scientific information amongst the members, IPA publishes a scientific journal, “*Potato Journal*” and books on potato for dissemination of new information and technology. IPA organizes both national and international conferences, seminars/symposia, panel discussion, Farmers' Melas etc. from time to time. It confers awards and honours on eminent potato workers, growers, etc. Since its inception, the membership of the Association has grown many folds. At present, it has 1030 members, of which 953 are Life members. Besides research workers, the list of members includes farmers, cold store owners, processors, and other industrialists etc.



ICAR-Central Potato Research Institute, Shimla

Potato research in India formally began on 1st April, 1935 with the opening of three breeding and seed production stations at Shimla, Kufri (both Shimla hills) and Bhowali (Kumaon hills), under the Imperial Agricultural Research Institute, New Delhi. In 1945, a scheme for the establishment of ICAR-Central Potato Research Institute was drawn up. The institute was established in August 1949 at Patna and subsequently, the headquarter of the institute was shifted to Shimla, Himachal Pradesh in 1956 in order to facilitate hybridization work and better maintenance of seed health. India emerged as the global leader in the area of sub-tropical potato production as a result of well-planned research effort that has been supported and strengthened during successive five year plans. Potato production jumped from mere 1.54 million tonnes from 0.23 million ha area in the year 1949-50 to 50 million tonnes from 1.96 million ha area during the triennial, thus making India the second largest potato producer in the world. ICAR-CPRI has developed and released more than 55 high yielding varieties possessing combination of important agronomic traits suitable for cultivation under diverse agro-climatic conditions. ICAR-CPRI varieties occupy more than 90% of total potato growing area of the country. The primary mandate of ICAR-CPRI includes:

- Basic strategic and applied research to enhance sustainable productivity, quality and utilization of potato.

- Repository of genetic resources and scientific information on potato.
- Transfer of technology, capacity building and impact assessment of technologies.
- Disease-free nucleus and breeder seed potato production.
- Coordinate research and validation of technologies through AICRP on potato.

Indian Council of Agricultural Research

The Indian Council of Agricultural Research (ICAR) is an autonomous organisation under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India. The Council is the apex body for co-ordinating, guiding and managing research and education in agriculture including horticulture, fisheries and animal sciences in the entire country. With 101 ICAR institutes and 71 agricultural universities spread across the country this is one of the largest national agricultural systems in the world. The ICAR has played a pioneering role in ushering Green Revolution and subsequent developments in agriculture in India through its research and technology development that has enabled the country to increase the production of foodgrains by 5.4 times, horticultural crops by 10.1 times, fish by 15.2 times, milk 9.7 times and eggs 48.1 times since 1951 to 2017, thus making a visible impact on the national food and nutritional security.

Presentations

The Conclave is open to all researchers, academicians, students, farmers and entrepreneurs associated or working on potato R&D. Presentations from eminent members of the scientific community associated with potato research and development will be followed by lively discussions. All communications will be done in English

language. There will be three types of presentations and details will be communicated in the second circular as well as on website (<http://www.gpc2020.in>)

Lead Paper Presentation

Eminent speakers of national/ international repute will be invited to make their presentations on the various themes of the conclave. The lead papers (minimum 2 pages) of the invited presenters will be published in the Souvenir.

Oral Presentation

A few selected quality papers will be selected for oral presentation in various technical sessions. The authors of these papers will be required to submit a short full length manuscript including abstract, which will be published in the special issue of Potato Journal.

Poster Presentation

Remaining abstracts will be considered for poster presentation and will be published in the Book of Abstracts. The researchers, academicians, students, farmers and entrepreneurs associated with potato R&D are requested to submit abstracts to email (gpcipa@yahoo.com).

Special Features

status of potato-based industries and trade, processing, seed potato production, biotechnology, public-private partnership in technology transfer and farmers related products etc. Space will be provided for exhibition at the Conclave venue.

Potato Expo Exhibition

Potato Expo exhibition will be organised for first, second and third days (28, 29 and 30 January, 2020) to showcase the



Trade and Business deliberations

This mega event would offer an international platform for different researchers, corporate and farming community/stakeholders from India and abroad to come together at the world's largest agri-based market to develop linkages. It would also provide exposure to farmers, processors, exporters and other potato entrepreneurs about the latest technologies, government schemes, available business opportunities and scope for investment.

Field Demonstration

Field Demonstrations of potato-related technologies will be organized on fourth day (31 January, 2020). This will include demonstration of advancements in potato mechanization (specially harvesting), potato varieties in India, crop health, processing-related technologies etc.

Sponsorship

Sponsorship is invited from potato entrepreneurs, agro-industries, fertilizers and pesticides companies, food retailers, cold storages, and credit and marketing institutions to get associated with the events of the Global Potato Conclave, which will



attract participation by a large number of potato scientists, research managers, agro-entrepreneurs, government representatives and farming communities from all over the world. Besides the sponsors and co-sponsors of the Conclave, there will be other sponsors for specific events.



Types of Sponsorship	Amount	Free registrations to the sponsors	Free stall to the sponsors	Space in Souvenir
Platinum	20 lacs	5	5	1 full page (colour)
Diamond	15 lacs	3	3	½ page (colour)
Gold	10 lacs	2	1	¼ page (colour) or ½ page (black & white)
Silver	5 lacs	1	-	½ page (black & white)

Exhibition

Physical space will be provided for the stall in the Potato Expo exhibition. Size of the stall will be 3 x 3 m² and rate for the same will be available in second circular and on website <http://www.gpc2020.in>

Advertisement in Souvenir

Detailed information about the Advertisement in Souvenir will be available in second circular and on website <http://www.gpc2020.in>



General Information

The Conclave will be held in the magnificent halls of Mahatma Mandir, Gandhinagar, Gujarat, India. Mahatma Mandir is a convention and exhibition

centre as well as a memorial located at sector 13, Gandhinagar, Gujarat, India. It is one of the biggest convention centre of India spread over 34 acres (14 ha). Business summits like Vibrant Gujarat Global Investor Summit 2011, 2013, 2015 and 2017 were organised here. Gandhinagar is nearly 18 km away from Sardar Vallabhbhai Patel International Airport located in Ahmedabad, Gujarat providing both domestic and international flights. Ahmedabad Railway Station in Ahmedabad is the nearest rail junction (25 km away) which provides connectivity with all the major cities and towns of India.



About Gandhinagar

Gandhinagar is the new capital city of the state of Gujarat in the west of India. It is located nearly 23 km north of Ahmedabad.

Gandhinagar (23.22°N, 72.65°E and 81 m above mean sea level) lies on the west bank of the Sabarmati River in north-central-East Gujarat. There are many places of tourist interest in the city like the Akshardham, which is a massive Hindu temple with ornate carvings and sculpted pillars, plus a water show in its sprawling gardens. Dandi Kutir museum traces the life of leader Mahatma Gandhi, who was born in Gujarat. South, along the Sabarmati River, the Indroda Nature Park has a zoo and botanical gardens, plus an adjacent dinosaur and fossil park.

Accommodation and Food

A range of accommodation is available for the delegates and their spouse in star hotels and budget hotels in the city in the vicinity of the Conclave venue. The tariff for different category of hotels will be notified in the second circular.

Visa and Currency

All foreign delegates must travel with valid passport and visa except the exempted countries following the applicable rules & guidelines of the Govt. of India. The currency exchange facility is available in most of the banks, airports and hotels in Gandhinagar. Automatic Teller Machines (ATMs) are also available at several locations in the city. Credit/debit cards are accepted in most of the hotels, restaurants and shops.

Post Conclave Excursions

The post Conclave tour can also be organised for interested participants to nearby places in Gandhinagar, Ahmedabad and other cities. These excursions will be charged depending upon the number of participants. A travel desk will be available at the Conclave venue for any help.



Convention Centre



Address for correspondence:

Dr. SK Chakrabarti

Chairman, Organizing Committee

Director, ICAR-CPRI, Shimla, Himachal Pradesh - 171001, India

Email: gpcipa@yahoo.com

Website: <http://www.gpc2020.in>



Registration

All the interested participants will be required to register in advance. The dates for submitting registration fees will be intimated in the second circular. The structure of registration fee for various categories is as under:

Category of participants	Indian (INR ₹)	Foreign (US \$)
Members IPA	10,000	250
Non-members	12,000	300
Students	8,000	120

*₹ 3000/- (USD\$50/-) LESS than the above mentioned registration charges shall be charged per accompanying person. The accompanying person will not be entitled for Registration kit.

Registration fee shall entitle a participant to Registration kit, admission to all technical sessions etc and food. The registration form and detailed information about the Global Potato Conclave 2020 will also be available in the second circular and on website <http://www.gpc2020.in>

Organizing Committee

Chief Patron

Dr. Trilochan Mohapatra

Secretary (DARE) & Director General (ICAR), New Delhi, India

Chairperson (International)

Dr. Barbara H. Wells

Director General, International Potato Centre (CIP), Lima, Peru

Chairperson (National)

Dr. Anand Kumar Singh

Deputy Director General (Hort. Science), ICAR, New Delhi, India

Chairman

Dr. Swarup Kumar Chakrabarti

Director, ICAR-CPRI & President, IPA, Shimla, HP, India

Convener

Dr. Vijay Kumar Dua

Head, Crop Prod., ICAR-CPRI & Secretary, IPA, Shimla, HP, India

Co-Convener

Dr. Narendra Kumar Pandey

Head, Social Sci., ICAR-CPRI & Vice-President, IPA, Shimla, HP, India

Global Potato Conclave 2020

28-31, January 2020
Gandhinagar, Gujarat, India

REGISTRATION FORM

I am interested in participating in the Global Potato Conclave 2020 as Delegate/sponsor;

Name (Capital letters):

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Profession:

Designation:

Organization:

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Mailing Address:

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City:

State: Pin Code:

Telephone, Mob.:

Office: Res.

E-mail:

Accompanying Person/Spouse: Mo.....

Name:.....

**₹ 3000/- (USD\$50/-) LESS than the above mentioned registration charges shall be charged per accompanying person.

Participant Details

For Delegates

Title of Lead/Oral Paper/ Poster Presentation:

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Payment Details*

Multi-city cheque/ Draft No.: Date:

Name of Bank:

Branch: City:

Amount:

NEFT/Online Transfer: **State Bank of India** Place: **Shimla**

A/c No : **10836122130** IFSC Code: **SBIN 0000718**

*Send the copy of proof regarding online transfer of money. Payment should be made in favour of **Indian Potato Association (IPA)** Payable at **Shimla**.

Date: Place:

Registration form is also available on the Conclave website <http://www.gpc2020.in>. Kindly send duly filled in Registration Form along with Registration fee to the below address.

Address for correspondence:

Dr. SK Chakrabarti

Chairman, Organizing Committee

Director, ICAR-CPRI, Shimla,

Himachal Pradesh - 171001, India

Email: gpcipa@yahoo.com; Website: <http://www.gpc2020.in>