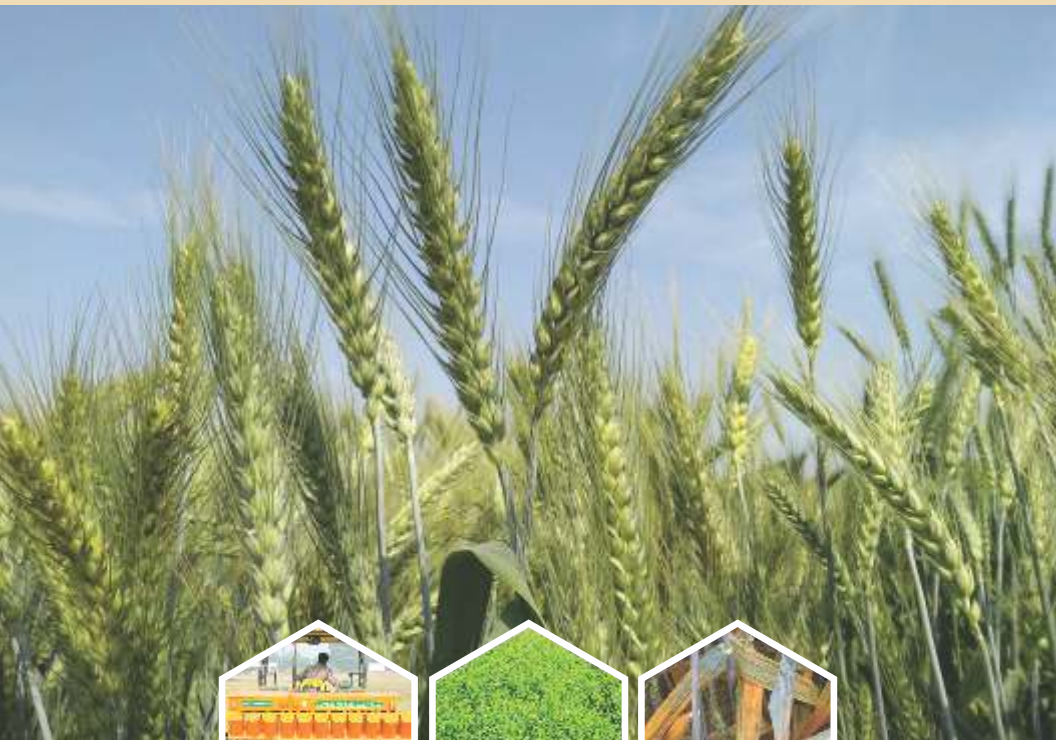


# 4<sup>TH</sup> INTERNATIONAL GROUP MEETING



(4<sup>TH</sup> IGM-2019)

## WHEAT PRODUCTIVITY ENHANCEMENT THROUGH CLIMATE SMART PRACTICES



**Date : 14-16 February, 2019**

**Venue : GSK HPKV, Palampur, Himachal Pradesh, India**



## ABOUT THE GROUP MEETING

Focusing on different issues of wheat productivity & changing climate, Indian Institute of Wheat and Barley Research (IIWBR), Society for Advancement of Wheat and Barley Research (SAWBAR), and CSK Himachal Pradesh Agricultural University (CSK HPKV) have decided to organize this International Group meeting on the theme “Wheat productivity enhancement through climate smart practices” The meeting aims to bring scientists, extension workers, farming community, traders, government and non-government agencies and policy makers on common platform to create awareness of the impact of climate change and to develop strategies to enhance productivity, quality and value addition.

Wheat research in India started in an organized manner during 1905 with the joining of Sir Howard as the Imperial Agricultural Botanist at Imperial Agricultural Research Institute, Pusa, Bihar. With the establishment of Imperial Council of Agricultural Research in 1929 (now ICAR) which is the main funding agency for agricultural research and education, All India Coordinated Wheat Improvement Project was initiated in 1965 to focus on wheat research in the country. In the beginning, the headquarter was located at Indian Agricultural Research Institute, New Delhi and it attained the status of Project Directorate in 1978 which is now located at Karnal (Haryana). With a view to focus research in Barley, the AICWIP was re-nominated as All India Co-ordinated Wheat and Barley Improvement Project. With the concerted efforts of dedicated scientists, the Directorate of Wheat Research (recently elevated to Indian Institute of Wheat & Barley Research) has been able to release 412 wheat varieties till date to suit different agro-climatic and agro-ecological conditions in India. In addition, due importance was also given to protection technologies, quality improvement and resource management, which helped in raising the wheat production from a mere 10.4 million tons during 1965 to 97.70 million tons during 2018.

In spite of the best efforts, the crop productivity has however remained stagnant. Therefore, it is urgently needed to raise the wheat productivity for ensuing food security for our ever increasing population. Climate change is one of the major challenges facing humanity in the future and effect of climate change has been detrimental to agriculture. Wheat is an important crop worldwide and climate change is expected to be a major threat to wheat productivity. Main focus so far was given on developing good quality high yielding varieties of wheat with diseases resistance. However, it is time to study the effect of climatic and edaphic variables viz., heat, drought, salinity and water logging on wheat production.

## THE VENUE

Himachal Pradesh Krishi Vishvavidyalaya (renamed as Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya in June, 2001) was established on 1st November, 1978. The College of Agriculture (established in May, 1966) formed the nucleus of the new farm University. It is ICAR accredited and ISO 9001:2008 certified institution.

The University has been given the mandate for making provision for imparting education in agriculture and other allied branches of learning, furthering the

advancement of learning and prosecution of research and undertaking extension of such sciences, especially to the rural people of Himachal Pradesh.

Over the years, this University has contributed greatly in transforming the farm scenario of Himachal Pradesh. Today, the State has earned its name for hill agricultural diversification and the farming community has imposed its faith in the University.

The university has developed a Highland Agricultural Research & Extension Centre in trans- Himalayan regions of the State for harvesting off-season facility needed for generation advancement. Till date, 15 improved and potential varieties of wheat and 7 of barley have been developed and released for diverse agro-climatic regions of the State. For Speed & High Precision Breeding, a high-tech Molecular Cytogenetics & Tissue Culture Lab has been established in the Department of Crop Improvement with unique facilities of Doubled Haploidy Breeding and Chromosome Engineering. A very innovative and highly efficient Wheat x Imperata cylindrica system of Chromosome elimination- mediated approach of doubled haploidy breeding has been developed in this Lab for accelerating the ongoing bread wheat improvement programme with enhanced precision and efficiency. *I. cylindrica*- a perennial winter grass available in the larger part of the world has emerged a wonderful pollen source for appreciable haploid induction not only in bread and durum wheats but also in wheat x rye and triticale x wheat derivatives where all other systems failed. DH 114 (Him Pratham) is the first doubled haploid wheat variety of the country developed by this university through Chromosome elimination technology of DH breeding.

## THE WEATHER

Palampur is located at an elevation of 1300 m amsl with monsoonal influenced humid sub-tropical climate with hot summers and cool winters. During second fortnight of February the mean maximum and minimum temperatures are 16.0°C and 6.3°C, respectively with mean temperature of 11.2°C. The normal rainfall during the period is 41.8 mm. Keeping in view the low temperature woollens are required.

## THEMES AND SUB-THEMES

The 4<sup>TH</sup> International Group meeting (4<sup>TH</sup> IGM-2019) will focus on the theme "Wheat productivity enhancement through climate smart practices"

## SUB-THEMES

- Genetic manipulation to mitigate effects of climate change
- Biotic stress in changing climatic scenario
- Abiotic stresses in relation to climate change
- Resource optimization for enhanced productivity
- Changing food habits and value addition for quality improvement
- Impact of climate change on adoption and sustainable production

## INVITATION TO SUBMIT PAPERS

The organizers of 4<sup>TH</sup> International Group Meeting on “Wheat productivity enhancement through climate smart practices” invite abstracts from interested persons engaged in research, development, marketing, finance, export organizations and industries representing wheat. Abstracts will be evaluated by a group of eminent professionals for their suitability for oral/poster presentation. Authors are requested to specify the relevant thematic area in which the paper needs to be considered.

The format for sending the abstract can be downloaded from website: <http://www.sawbar.in/4thIGM> or <http://www.iwbr.org/4thIGM>. The last date for submitting abstracts is December 30, 2018.

### Guidelines for preparation of abstracts

- **Words limit:** Abstract should be limited to maximum 300 words.
- **Theme:** Theme for presentation should be selected from drop down menu.
- **Title:** The title of article should be informative but concise and should not contain abbreviations. It should be set in small and bold letters in running style.
- **Font type and size:** For abstract, use only Times New Roman font. Font size for title of the paper will be in 12 point and 11 points for other matter. The abstract should be prepared in such a way that it completes with maximum 300 words. The abstract should comprise of Introduction, Objectives, Methods, Result and Conclusions. All the text must be in single line space only.
- **Author(s) names and affiliations:** Give author’s name, affiliation and email address. The name of presenting/ corresponding author and his/her email address should be mentioned.
- **Abstract submission details:** Select presentation category (oral/poster) and theme. Paste the abstract in the space provided.
- Authors are requested to see sample abstract carefully while preparing the abstract for submission. A well prepared abstract should be submitted as attachment at [4thigm@gmail.com](mailto:4thigm@gmail.com).
- There are limited slots for oral presentation. Abstract committee will judge the suitability of the paper to be accepted for oral presentation. The authors will be communicated about the decision of the committee on oral presentation. The Committee reserves the right to suitably edit, modify, accept or reject the abstract.
- Registration to participate in the IGM can be done after acceptance of the abstract. However, abstracts will only be published if the author has registered and paid before the author registration deadline of January 31, 2019.

## THE PROGRAMME

The programme includes keynote, plenary and lead lectures by invited experts, selected oral and poster presentation, exhibitions, visits and excursions. Detailed technical programme will be communicated to the pre-register participants before the conference.

## IMPORTANT DATES

### REGISTRATION

Early Registration Opens	:	October 15, 2018
Early Registration Closes	:	December 15, 2018
Late Registration Closes	:	January 31, 2019
Accommodation request closes	:	December 15, 2018

### ABSTRACT

Abstract Submission Opens	:	October 1, 2018
Abstract Submission Closes	:	December 30, 2018
Notification regarding Oral / Poster Presentation	:	December 31, 2018

For more information, please visit the society's website at [www.sawbar.in](http://www.sawbar.in).

## THE VISA

Delegates from abroad are required to get their visa through Indian Embassy, High Commission in their respective country, Visa on arrival facility is available for holders of passport of several countries. Please check out with Indian Embassy /High Commission for details.

## THE REGISTRATION

Participants	Before Dec. 15, 2018	With late fee up to Jan 31, 2019	On spot Registration
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### INDIAN DELEGATES

SAWBAR members	₹ 4000/-	₹ 5000/-	₹ 6000/-
Non-SAWBAR members	₹ 4500/-	₹ 5500/-	₹ 6000/-
Students	₹ 1500/-	₹ 2500/-	₹ 3000/-

### FOREIGN DELEGATES

SAWBAR members	US\$ 350/-	US\$ 450/-	US\$ 600/-
Non-SAWBAR members	US\$ 400/-	US\$ 500/-	US\$ 600/-

### ACCOMPANYING PERSONS

- Indian	₹ 2500/-	₹ 3500/-	₹ 4000/-
- Foreign	US\$ 200/-	US\$ 250/-	US\$ 300/-

₹ = Indian Rupee

The registration fee includes the conference kit, access to conference sessions, tea /snacks during session breaks, working lunch and transport from the hotel to the venue. It does not include accommodation.

The delegates can pay their registration fees online as per details given below :

Account Name	4 <sup>th</sup> IGM
Account Number (Current)	38002534519
Bank Name	State Bank of India
Branch Code	03632
Branch Address	HPAU, Palampur
IFSC	SBIN003632
MICR Code	176002063
SWIFT Code	SBININBB277

## AWARDS

### Best Poster Award:

Displayed posters will be evaluated for awarding Best Poster presentation. Each theme will carry separate award

### Facilities Available

#### Poster Presentation Boards

Poster presentation boards that can accommodate 90 x 120 cm posters will be provided.

#### Projection Facilities

LCD projectors will be available for oral presentation. The presentations should be in the Microsoft Power Point format (ppt) or any other compatible format.

## ACCOMMODATION

A wide range of hotels with tariffs ranging from US\$ 40 to 200 (INR 2000 to 12000) per person per day are available in the city within a distance of 10-15 km from the Conference venue. For the benefit of the delegates, the organizers have negotiated with some selected hotels for discount. The list



and contact details of such hotels along with tariff is available on the website. Transport facility from listed hotels to the venue of the conference will be provided by the organizers. No transport facility will be provided by the organizers from Airport/Railway station/Bus stand to the Hotels.

For Indian delegates, efforts will be made to provide accommodation in various guesthouses located in and around the venue on "FIRST-COME, FIRST-SERVED BASIS". However, due to limited number of seats in the guest houses, they may also be accommodated in budget hotels depending on their preferences.

**Hotels available in Palampur for International Group Meeting (14-16 February, 2019)**

Sr. No.	Hotel	Tarriff	Discount	Contact details
1.	Taragarh Palace Hotel, Taragarh District Kangra, H.P.	6900 (18 % GST) 8200 (28 % GST) 9600 (18 % GST)	Nil	01894-242034, 243077, 209209 frontofficetph@gmail.com
2.	RS Sarovar Portico Palampur	6000 (CPAI) + GST 7200 + GST 9500 + GST 10500 + GST 20500 + GST	including breakfast	8739055555, 7807771064 form@rssarovar.com
3.	Infinitea Sports Club & Tea Garden Resort	5000 18 % GST 6200 extra 7000 (including 7400 breakfast)	15-20 % discount	01894-230304, 230605 Contact@clubinfinitea.com
4.	Hotel Yamini Palampur	1000 1500 12&18 % 3000 GST extra 3500 (includes 6000 breakfast) 250	No discount 30 %	01894-230631, 230632, 235081, 9418030055 vikzzz@yahoo.com www.hotelyamini.com
5.	Budhamal castle Palampur	3500 18 % GST 4000 extra 4500 (includes 6500 breakfast)	20% flat discount	01894-232666, 232777, 098055 10832 budhamalcastle@gmail.com
6.	Hotel Tea Bud Palampur	2200 GST extra 2400 3000 2700 3500	30%	01894- 231298 palampur@hptdc.in
7.	Hotel Vishal Residency	4000 3000 2200 1800	25 % discount	01894-235629, 234629 vraafreen@yahoo.co.in
8.	The Bliss Palampur	6500 4500 3500 2500	20 % discount	01894-233377, 8219250566 info@theblisspalampur.com

9.	Hotel Yaashitaa & Multiplex, Palampuru	1500	12 % GST	8894366679
		2200	18 % GST	info@yashitadesign.com
		2500		
10.	Sterling Banquet & Hotel, Sungal Palampur	3500	18 % GST (includes discount)	9805800124 (Punam Kaur), 9988004466 (Aseem Shamra)
11.	Kandbari Hills Home Stay	1600	Discount	9817074515 (Mr. Inderjeet)
		1500	negotiable	www.kandbarihills.in
12.	Chimbalhar Heights	2500	Including 10-20% discount	0189 423 3105 (Vikram Mahajan)
		3500	GST	
13.	Hotel Surbhi Palampur	1900	12 % 23 %	9736422824 (Varun Kalra)
		1500	GST extra	varunkalra@surbhigroup.in
		1200	discount	info@surbhigroup.in
		800		
14.	Hotel Holiday Lohna	990	Including GST	09816197412 (Thakur Sher Saklani)
15.	Hotel Ashiana	2800-5500	GST extra	078071 24758 (Vinod Katoch) www.hotelashiana.in

## HOW TO REACH



Palampur has Air connectivity from Delhi. Nearest airport is Gaggal Airport.

Palampur : 25 km away

Gaggal Airport (DHM), Dharamsala, Himachal Pradesh



There are regular buses from other major cities like Delhi & Chandigarh to Palampur. Bus service is provided by state transport & other bus service providers.

Bus Station(s): Palampur

## Contact details of Conveners of Various Committees

Name of the committee	Name & Designation	Mobile No.	e-mail
Registration	Dr. SK Rana, Prof. & Head, Deptt of Plant Pathology	94181-25714	skrana62@gmail.com
Transport & Accommodation	Dr. RS Chandel, Prof. & Head, Deptt of Entomology	94180-19747	visitrvchandel@yahoo.com



## COMMITTEE

### International Advisory Committee (IAC)

1. Dr. T. Mohapatra, Secretary, DARE & DG, ICAR, New Delhi,
2. Sh. SK Pattanayak, Secretary, MOA, New Delhi
3. Dr. KV Prabhu, Chairman, PPVFRA, New Delhi
4. Dr B. Rajendra Joint Secretary (Crops/PP/Seed/Oilseed), MoA&FW
5. Dr. AK Singh, DDG (Crop Sciences), ICAR, New Delhi
6. Dr. Martin Kropff, Director General, CIMMYT, Mexico
7. Dr. Aly Abousabaa, Director General, ICARDA, Rabat, Morocco
8. Dr. S. Rajaram, Former Director, Wheat Programme, CIMMYT, Mexico
9. Dr. Ravi P Singh, Program Leader, CIMMYT, Mexico
10. Dr. Eric Hutner, ACIAR, Canberra, Australia
11. Dr. R Trethowan, University of Sydney, Australia
12. Dr. Ian King, University of Nottingham, UK
13. Dr. HS Gupta, Former Director General, BISA, New Delhi, Chairman-BOT, WRTF

### National Organizing Committee (NOC)

1. Prof. AK Sarial, Vice-Chancellor, CSKHPKV, Palampur, Chairman
2. Dr. GP Singh, Director, IIWBR, Karnal, Co-Chairman
3. Dr. PK Mehta, Dean, College of Agriculture, CSKHPKV, Palampur
4. Dr. DK Vatsa, Director Research, CSKHPKV, Palampur
5. Dr. R. Chatrath, Principal Investigator (Crop Improvement), IIWBR, Karnal, Haryana
6. Dr. RK Sharma, Principal Investigator (Resource Management), IIWBR, Karnal, Haryana
7. Dr. DP Singh, Principal Investigator (Crop Protection), IIWBR, Karnal, Haryana
8. Dr. AS Kharub, Principal Investigator (Barley), IIWBR, Karnal, Haryana
9. Dr. Sewa Ram, Principal Investigator (Quality), IIWBR, Karnal, Haryana
10. Dr. Satyavir Singh, Principal Investigator (Social Sciences), IIWBR, Karnal, Haryana
11. Dr. Ashutosh Sarker, Regional Co-ordinator, ICARDA-South Asia Program, New Delhi
12. Dr. AK Joshi, CIMMYT - India Office, New Delhi
13. Dr. Poonam Jasrotia, Treasurer, SAWBAR
14. Dr. Rekha Malik, IIWBR, Karnal, Haryana
15. Dr. Suman Lata, IIWBR, Karnal, Haryana
16. Dr. Bhumesh Kumar, IIWBR, Karnal, Haryana
17. Dr. PL Kashyap, IIWBR, Karnal, Haryana
18. Dr. Sindhu Sareen, General Secretary (SAWBAR) Organizing Secretary
19. Dr. HK Chaudhary, HoD, Crop Improvement & Agril Biotech, CSKHPKV, Local Organizing Secretary

### Local Organizing Committee (LOC)

1. Prof. AK Sarial, Vice-Chancellor, CSKHPKV, Palampur - Chairman
2. Dr. DK Vatsa, Director of Research
3. Dr. PK Mehta, Dean, College of Agriculture
4. Dr. RK Agnihotri, Dean, Post Graduate Studies

5. Dr. SK Rana, Professor & Head, Deptt. of Plant Pathology
6. Dr. RS Chandel, Professor & Head, Deptt. of Entomology
7. Dr. Naveen Kumar, Professor, Deptt. of Agronomy, F&GM
8. Dr. Vijay Rana, Principal Scientist, RWRC, Malan
9. Dr. Naval Kishore, Scientist, HAREC, Bajaura
10. Dr. Gurdev Singh, Scientist, HAREC, Bajaura
11. Dr. YSDhaliwal, Professor, Deptt. of Food Sci., Nutrition & Tech.
12. Dr. Hirday Paul Singh, Joint Director, Information & Public Relations
13. Dr. Sindhu Sareen, Principal Scientist, IIWBR, Karnal, Organizing Secretary
14. Dr. HK Chaudhary, Professor & Head, Deptt. of Crop Improvement & Agril Biotech, Local Organizing Secretary



## For further details, please contact

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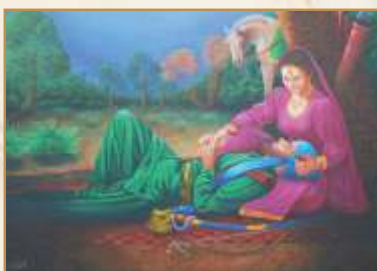
### **Dr H.K. Chaudhary**

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## CITY ATTRACTIONS



Chinmaya Tapovan Trust (Ashram)



Sobha Singh Art Gallery



Chinmaya Tapovan Trust (Ashram)



Buddhist monument, MacLeodganj



Barot Valley



Bir-Billing



The Masrur Temples



Chamunda Devi Temple



<http://www.sawbar.in/igm>

