



**Research  
Program on  
WHEAT**



**syngenta**



**7<sup>th</sup> International Cereal Nematodes Symposium**

**New Delhi, India  
November 3<sup>rd</sup> to 6<sup>th</sup>, 2019**



**Venue:** National Agricultural Research Complex New Delhi, India

**Organizers:**

**Dr. Uma Rao**, Division of Nematology, ICAR-Indian Agricultural Research Institute, New Delhi, India; (email: [umarao@iari.res.in](mailto:umarao@iari.res.in))

**Dr. Amer A. Dababat**, CIMMYT, Ankara, Turkey; (email: [a.dababat@cgiar.org](mailto:a.dababat@cgiar.org))

**Scientific Committee:**

**Dr. Trilochan Mahapatra**, Secretary of Department of Agricultural Research and Education, Director General of Indian Council of Agricultural Research, India

**Director**, ICAR-Indian Agricultural Research Institute, New Delhi, India

**Joint Director (Research)** ICAR-Indian Agricultural Research Institute, New Delhi, India

**Dr. Pranjib Kumar Chakrabarty, ADG (Plant Protection)**, Indian Council of Agricultural Research, New Delhi

**Dr. K. V. Prabhu**, Chairperson, Protection of Plant Varieties & Farmer's Rights Authority, DoAC & FW, Ministry of Agriculture & Farmer's Welfare, Government of India

**Dr. A. K. Singh**, Head, Division of Genetics, ICAR-Indian Agricultural Research Institute, New Delhi, India

**Dr. Uma Rao**, Head, Division of Nematology, ICAR-Indian Agricultural Research Institute, New Delhi, India

**Dr A. A. Dababat**, CIMMYT, Ankara, Turkey; (email: [a.dababat@cgiar.org](mailto:a.dababat@cgiar.org))

**Local Organizing Committee:**

**Dr. Anil Sirohi**, Principal Scientist, Division of Nematology, ICAR-Indian Agricultural Research Institute, New Delhi, India

**Dr. Gautam Chawla**, Principal Scientist, Div. of Nematology, ICAR-IARI, India

**Dr. Pankaj**, Principal Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. A. K. Singh**, Principal Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. Sharad Mohan**, Principal Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. H. K. Sharma**, Principal Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. M. R. Khan**, Principal Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. V. S. Somvanshi**, Senior Scientist, Div. of Nematology, ICAR-IARI, India  
**Dr. T. K. Dutta**, Scientist, Div. of Nematology, ICAR-IARI, India

#### **Invited Speakers:**

**Prof Dr Richard Sikora**, em. University of Bonn, Germany, Consultant, International Agriculture, Plant Health Management

**Prof John Jones**, Science Group Leader, the James Hutton Institute, Invergowrie Dundee, Scotland UK

**Prof Eric Davies**, Dept. Plant Pathology, 112 Derieux Place, 2510 Thomas Hall, NC State University, Campus Box 7616, Raleigh, NC 27695

#### **Location of Workshop:**

National Academy of Agricultural Sciences Complex, Dev Prakash Shastri Marg, Pusa Campus, New Delhi 110012



## ICNS and its Objectives:

The International Cereal Nematodes Symposium (ICNS) is an extension to the International Cereal Nematode Initiative (ICNI) that was established in 2006. It aims to create a critical mass of scientific capacity and skills to deliver sustainable solutions by working at both the practical and theoretical level. It was initially founded as the International Cereal Cyst Nematode Initiative (ICCNI) and later expanded to include all-important genera of cereal nematodes (CN).

Cereal nematodes including both the Cereal Cyst Nematodes (*Heterodera* spp.; CCN) and the Root Lesion Nematodes (*Pratylenchus* spp.; RLN) are acknowledged as a global economic problem on wheat production systems in developing as well as in developed countries. Within the framework of the ICWIP (ICARDA CIMMYT Wheat Improvement Program) which relates to wheat improvement research in Central Asia, West Asia and North Africa, CIMMYT and the Turkish Ministry of Agriculture and Forestry in collaboration with ICARDA and our National Program partners from developing countries and several research institutions in Australia and Europe have undertaken research over the last 15 years to:

- 1. Understand the importance and distribution of CCN and RLN**, which are widespread in wheat production systems throughout West Asia, North Africa, parts of Central Asia, Northern India and China.
- 2. Investigate potential control options with a major emphasis on host resistance** through validation and integration of resistant sources (traditional and molecular) into wheat germplasm for global wheat production systems (particularly focused on rainfed or supplementary irrigation systems). Rotation has been partially explored.
- 3. Provide training for scientists from developing countries:** The 1st ICCNI was held in Antalya, Turkey and proceedings can be downloaded from the following website: <http://www.spipm.cgiar.org/reports>. The 2<sup>nd</sup> workshop was held in Vienna, Austria and the 3<sup>rd</sup> workshop was held in Adana, Turkey. The 4<sup>th</sup> workshop was held in Beijing, China. The 5<sup>th</sup> workshop was held in Ankara Turkey and the proceeding can be downloaded from the following website: <http://www.fao.org/3/a-i4934e.pdf>. The 6th Symposium was held in Agadir, Morocco. Those workshops were very successful in identifying the global status of the problem of cereal nematodes and forming networks and partnerships to continue working on these problems.

Currently, because of the great successful precedents, the coming event will be held as an International Symposium on Cereal Nematodes.

## Symposium Topics:

1. Distribution of CN: Global status
2. The economic importance and population dynamics of CN on wheat
3. Management strategies of CN in wheat using host resistance
4. Management strategies of CN other than host resistance
5. Use of molecular tools for research with CN (such as pathogen diagnostics, phylogeny studies and host resistance)
6. CN genome and parasitism genes

### **Program Schedule:**

3<sup>rd</sup> Nov: Registration  
4<sup>th</sup> Nov: Scientific sessions  
5<sup>th</sup> Nov: Excursion  
6<sup>th</sup> Nov: Scientific session and the Gala Dinner

**Note:** we are happy to announce that there will be a poster session during the scientific sessions.

### **Registration:**

Registration fees cover workshop attendance, all provided documents and materials, workshop dinner and the excursion day.

### **Registration fees:**

**On-time registration (June 1, 2019): 300US\$**

**Late registration or onsite registration: 350US\$**

**How to pay your registration?** Wire transfer is the **only** accepted option.

For any international payment transactions, please use this below bank details stated:

**Bank: JPMorgan Chase Bank**  
**Beneficiary: CIMMYT**  
**A/C: 949-2-603213**  
**ABA: 021000021**  
**SWIFT: CHASUS33**  
**277 Park Ave/23rd Floor**  
**New York, New York 10172-0003**  
**Attn: Nisha X. Corniel**

**Please indicate the following references in your bank transfer:**

**The 7th ICNS 2019 – India, Delhi**

Participants are reminded that money transfer may include fees and charges; it is therefore essential that such transfer of money should include any additional fees. **Your registrations will only be confirmed and valid after your payment has been received.** Applications may be cancelled up until August 1, 2019, in which case a full refund will be made. If requests of cancellation are received after this date, no refund will be possible.

### **Abstract Submission:**

Official published proceeding will be made from accepted papers of the workshop. If you would like to contribute to the Symposium, please kindly submit your abstract of less than 250 words, to be emailed to Dr. Uma Rao ([umarao@iari.res.in](mailto:umarao@iari.res.in)).

**Travel and Accommodation:**

Hotel Jaypee Sidhartha	5 Star	3 Kms
Hotel Golden Grand	3 Star	4 Kms
Hotel Aura De Asia	2 star	4 kms
Hotel Rama Deluxe	Budget	5 kms
Karat 87	Budget	5 Kms

**Weather:**

The best time to visit Delhi is from **October to March** when the weather is at its best. During November, the average maximum day temperature is 28<sup>0</sup> C and night temperature of 15<sup>0</sup> C