

Welcome to IPPC2019

The XIX International Plant Protection Congress will focus on crop protection technologies to mitigate the effects of climate change for food security and environment conservation.

On behalf of the International Association for the Plant Protection Sciences (IAPPS), ICRISAT and the Crop Protection Societies in India, the organizers are pleased to invite you to participate in IPPC2019.

The program of IPPC2019 is aimed at addressing many of the key issues in crop protection being faced by the farmers to meet the challenge of food security through sustainable crop protection and conservation of the environment.

We welcome your participation in this event in the historic city of Hyderabad to discuss all aspects of plant protection to mitigate the effects of global warming and climate change.

We request you all to come forward, and organize a symposium or a workshop, and participate in the proceedings of the IPPC2019. To submit a symposium or workshop write to IPPC2019@cgiar.org



Thematic Areas

Climate change: The emerging challenge

- Plant protection to mitigate effects of climate change
- Climate change and biodiversity
- Invasive and emerging pests

Insects
Pathogens
Nematodes

Vertebrates
Weeds
Viruses



- Pest – host plant – environment interactions.



Host plant resistance: Biochemical and molecular mechanisms

- Host plant resistance in IPM
- Breeding for pest resistance
- Gene mapping and gene editing
- Transgenics for pest control
- MAS for pest resistance
- Metabolomics/transcriptomics

Detection and diagnosis: DNA barcoding

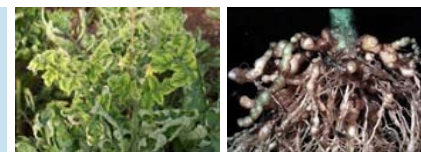
- Insect pests
- Pathogens
- Nematodes
- Viruses
- Plant quarantine and trade



ICT- in Crop Protection

- Ecological engineering
- Biodiversity and bio-systematics
- Information and Communications technology in crop protection
- Decision support systems
- Remote sensing and modelling for pest forecasting

Herbicides
Insecticides
Fungicides
Nematicides



Biosafety of GMOs to the environment

- Transgenic crops and pest management
- Transgenics and Non-target effects

IPM Technologies

- Pesticides
- Bio-pesticides/ Biological control
- Bio-efficacy, persistence & IRM
- Semio-chemicals in pest management
- Natural enemies
- Nanotechnology and pest management



Food and Nutritional Security

- Overcoming hunger
- Reducing poverty
- Access to markets
- Attracting youth to crop protection sciences
- Science networks
- Education and extension services
- Technology transfer
- Governmental policies: Production, marketing and application
- Post harvest losses/stored pest management



The IPPC brings together plant protection science and practice from around the world every 4 years. The IPPC is broadly multidisciplinary with an emphasis on an integrated approach to plant protection. Thus, for 50+ years the IPPC has provided a forum for plant protection specialists comprising of plant pathologists, entomologists, weed scientists, nematologists, plant breeders, economists, chemists, technology transfer specialists and legal advisers to communicate and discuss important problems and new discoveries related to crop losses due to pests and their management. The integration of these disciplines will be reflected in the program.