



Future IPM 3.0: towards a sustainable agriculture



16-20 October 2017

PalaCongressi - Riva del Garda – Italy

The main challenges for agriculture worldwide are sustainable production and the reduction of risks and impacts of pesticide use on human health and the environment. These challenges can be met through integrated pest management (IPM) and the use of alternative approaches and techniques. All stakeholders, including citizens, are expecting production systems to become more sustainable, while supplying healthier and safer food and protecting the environment and its biodiversity. Research on low-risk substances and bio-pesticides as well as on other nonchemical alternatives is progressing rapidly and farmers will have increased access to innovative tools in plant protection and production.

Dear Colleague,

it is our great pleasure to invite you to the **International Congress “FUTURE IPM 3.0: towards a sustainable agriculture”** to be held **from 16 to 20 October 2017**

The Future IPM 3.0 conference is a unique opportunity to share regulatory, scientific, and technological information in the field of “reducing pesticide use-and-risk in integrated pest management (IPM)”. The main objective is to promote knowledge exchange among scientists, companies, farmers, advisors, policy makers and supply chain stakeholders, and identify approaches, tools and techniques to meet the future needs of crop protection for a sustainable agriculture and development.

Venue of the congress is the Palacongressi of Riva del Garda, which is located in a lovely area in the Northern side of Lake Garda, Trento, Italy.

PROGRAM

The program of the Future IPM 3.0 conference will include three parallel sessions on the working groups of the International Organisation for Biological and Integrated Control - West Palaearctic Regional Section (IOBC-WPRS) introduced by a **keynote plenary session** and a **divulgate event** on main IPM aspects:

- **Plenary session: Una produzione agricola competitiva e le sfide della produzione sostenibile (in Italian)**
- **Plenary session: FutureIPM 3.0 towards a sustainable agriculture (General assembly IOBC-WPRS, keynote lectures on key IPM topics sponsored by the OECD Co-operative research programme: : Biological Resource Management for Sustainable Agricultural Systems.)**

Parallel workshops:

- **Induced Resistance in plants: the contribution of science to an effective field application (IOBC-WPRS WG Induced resistance in plants against insects and diseases)**
- **Novel tools and new challenges for IPM in viticulture (IOBC-WPRS WG Integrated protection in viticulture)**
- **Preserving soil quality and health for the future generations (IOBC-WPRS WG Multitrophic interactions in soil)**

Complementing the main program are parallel scientific workshops with offered contributions, demos and sponsored presentations and a large exhibition of posters and stands.

Online abstract submission and registration from **January 2017**

Up-to-date information: <http://futureipm3.eu>

Contact: futureipm3.0@fmach.it

On behalf of the conveners of the conference.





Una produzione agricola competitiva e le sfide della produzione sostenibile

Evento organizzato da FEM e Centro Ricerca Laimburg

Lunedì 16 ottobre, 2017

08:00 09:00 Registrazione

Le novità per una produzione integrata - Nuovi strumenti e tecnologie per un'agricoltura sostenibile direttamente dalle aziende e dai centri di sperimentazione (New tools and technologies for sustainable agriculture directly from the companies and experimental centers).

Una giornata densa di presentazioni, demo, interviste, tavole rotonde sui seguenti temi:

- Sostenibilità tecnica, ambientale ed economica della frutticoltura di montagna, fondovalle e pianura
- La viticoltura sempre di più verso una sostenibilità globale
- Le nuove minacce poste dalle specie invasive: il caso della cimice marmorata ed di altri nuovi possibili invasori
- Ripensare all'agronomia ed proteggere la qualità biologica del suolo
- Soluzioni tecniche e nuove sostanze attive a base microbiologica o naturale: le prospettive del mercato e le opportunità per l'agricoltore

B2B event

Excellent scientific ideas and innovative products search for industrial partners and investors



19:00 21:00 Aperì-cena



Plenary session FutureIPM 3.0 towards a sustainable agriculture



sponsored by the OECD Co-operative research programme : Biological Resource Management for Sustainable Agricultural Systems.*



IOBC-WPRS

IOBC-WPRS General assembly

Tuesday, 17 October 2017

08:00 09:00 Registration

Session: Policies and trends in sustainable integrated management in agriculture

- The importance of networking among stakeholders and cross-sector contamination for sustainable crop protection
- Sustainable agriculture production in highly populated areas
- Sustainable production of fresh fruits and vegetables from the producers' perspective
- Alternatives to contentious inputs in organic farming: regulatory and technical issues

Session: Tools and innovation in crop protection and production

- The present and future of biofungicides based on microbial biocontrol agents
- Biocontrol with beneficial insects and new perspectives in insect biocontrol
- Sustainable weed management, what's next after glyphosate
- Regulatory mechanisms of plant induced resistance, potentialities and limitations for crop protection
- Sensors and precision agriculture for sustainable production

Session: Sustainable integrated production in agriculture: the challenges

- Landscape management and preservation of biodiversity
- Preserving soil capital for the future

Sessions will be followed by general discussion with participants

19:00 21:00 Aperi-dinner

* OECD Co-operative Research Programme on Biological Resource Management for Sustainable Agricultural Systems
(www.oecd.org/agriculture/crp)



Induced Resistance in plants: the contribution of science to an effective field application

Meeting of the IOBC-WPRS Working Group
"Induced resistance in plants against insects and diseases"



IOBC-WPRS

Wednesday, 18 October 2017

08:00 09:00 Registration
09:00 09:10 Welcome to participants
Michele Perazzolli and Gerardo Puopolo
09:10 09:30 **Opening and IOBC-WPRS presentation**
Brigitte Mauch-Mani (convenor), Ilaria Pertot (liason officer)
09:30 13:00 **Session 1: Novel and old players in plant defense signaling**
13:00 14:30 Lunch
14:30 16:50 **Session 2: Induced resistance against pathogens and insects**
16:50 17:30 Poster Pitches
17:30 19:00 **Poster session 1 (with drinks)**
19:00 21:00 Aperi-dinner

Thursday, 19 October 2017

09:00 13:00 **Session 3: Ecology and factors affecting priming and induced resistance**
13:00 14:30 Lunch
14:30 16:50 **Session 4: Induced resistance mediated by volatile organic compounds**
16:50 17:30 Poster Pitches session 2
17:30 19:00 **Poster session 2 (with drinks)**
19:00 23:00 Social dinner and poster awards

Friday, October 20, 2017

09:00 13:00 **Session 5: Induced resistance under field conditions and in integrated pest management**
12:40 13:00 Closing remarks
Michele Perazzolli and Brigitte Mauch-Mani
13:00 14:30 Lunch
14:30 20:00 Excursion and pizza dinner



Novel tools and new challenges for IPM in viticulture

Meeting of the IOBC-WPRS Working Group
"Integrated protection in viticulture"



Wednesday, 18 October 2017

08:00 09:00 Registration
09:00 09:10 Welcome to participants
Ilaria Pertot and Claudio Ioriatti
09:10 09:30 **Opening and IOBC-WPRS presentation**
Carlo Duso (convenor), Mauro Jermini (liason officer), Denis Thiéry, Michael Maixner, Agnès Calonnec, René Fuchs, Tirtza Zahavi (SB convenors)
09:30 13:00 **Session 1: Classical and Novel tools against insects**
13:00 14:30 Lunch
14:30 16:50 **Session 2: New knowledge and solutions against viruses, phytoplasmas and their vectors**
16:50 17:30 Poster Pitches
17:30 19:00 **Poster session 1 (with drinks)**
19:00 21:00 Aperi-dinner

Thursday, 19 October 2017

09:00 13:00 **Session 3: Classical and novel tools about pathogens**
13:00 14:30 Lunch
14:30 16:50 **Session 4: Preventive and agronomic measures in nurseries and vineyards**
16:50 17:30 Poster Pitches session 2
17:30 19:00 **Poster session 2 (with drinks)**
19:00 23:00 Social dinner and poster awards

Friday, 20 October 2017

09:00 13:00 **Session 5: Advances in IPM and future challenges**
12:40 13:00 **Closing remarks**
Carlo Duso, Denis Thiéry, Michael Maixner, Agnès Calonnec, René Fuchs, Tirtza Zahavi
13:00 14:30 Lunch
14:30 20:00 Excursion and pizza dinner



Preserving soil quality and health for future generations

Meeting of the IOBC-WPRS Working Group
"Multitrophic interactions in soil"



Wednesday, 18 October 2017

08:00 09:00 Registration
09:00 09:10 Welcome to participants
Heribert Insam, Stefano Cesco, Tanja Mimmo
09:10 09:30 **Opening and IOBC-WPRS presentation**
Christian Steinberg (convenor), Yigal Elad (liason officer)
09:30 13:00 **Session 1: Omic technologies in rhizosphere research**
13:00 14:30 Lunch
14:30 16:50 **Session 2: Microbial interactions in soil: functions and ecosystem services**
16:50 17:30 Poster Pitches
17:30 19:00 **Poster session 1 (with drinks)**
19:00 21:00 Aperi-dinner

Thursday, 19 October 2017

09:00 13:00 **Session 3: Biological indicators of soil functions**
13:00 14:30 Lunch
14:30 16:50 **Session 4: Soil and its role in a circular economy**
16:50 17:30 Poster Pitches session 2
17:30 19:00 **Poster session 2 (with drinks)**
19:00 23:00 Social dinner and poster awards

Friday, 20 October 2017

09:00 13:00 **Session 5: Biological interactions in soil and weed management**
12:40 13:00 **Closing remarks**
Heribert Insam, Stefano Cesco, Tanja Mimmo, Christian Steinberg
13:00 14:30 Lunch
14:30 20:00 Excursion and pizza dinner