



IOBC
WPRS

International Organisation for Biological and Integrated Control (IOBC)
West Palaearctic Regional Section (WPRS)

Organisation Internationale de Lutte Biologique et Intégrée (OILB)
Section Régionale Ouest Paléarctique (SROP)

Joint Meeting of the IOBC/WPRS Working Groups
“Pheromones and other semiochemicals in IP”
& “Integrated Protection of Fruit Crops”

**“IPM in the XXI century: new tools, tactics and strategies to improve sustainability
from old and new pests and diseases”**

September 25 – October 1, 2022, Girona, Spain

First announcement

Dear colleagues,

The Joint Meeting of the IOBC/WPRS Working Groups **“Pheromones and other semiochemicals in integrated production”** and **“Integrated Protection of Fruit Crops”** (PheroFruits2022) will be held in **Girona** (Spain), from **September 25 to October 1, 2022**. IRTA (Institute of Agrifood, Research and Technology) will host the conference.

Following the success and the positive feedback received past meetings, we are confirming the ongoing collaboration between the two working groups. The joint meeting was scheduled for September 2020, but because of the global pandemic COVID_19, it was postponed to 2022. At present, risk mitigation procedure are making it more feasible to have a meeting in 2022. For this reason, we are convinced that we can start again to meet in person of course, using all the necessary security measures.

The theme of the conference will be **“The IPM in the XXI century: new tools, tactics and strategies to improve sustainability from old and new pests and diseases”**. On the behalf of IOBC and the organizing committee, we would like to invite you to Girona to actively participate, and share the results of your work. The meeting will bring together people involved both in the study of Semiochemicals and in Integrated Fruit Production, with the aim of sharing the latest research and technological advances that can help in the control of harmful agents, both indigenous and invasive. It offers a space for the exchange of information and ideas, and provides the opportunity to cement old association and establish exciting new collaborations between the different participating groups.

English will be the official language of the meeting. Proceedings with all contributions, both oral and poster presentations will be published as full papers or extended abstracts in the IOBC/WPRS Bulletin.

Please post this circular to colleagues that may be interested in attending the conference.

We look forward to seeing you in Girona,

Lucía-Adriana Escudero-Colomar

Conference chair

IRTA

Sustainable Plant Protection,
CATALONIA, SPAIN

Jürgen Gross

Convenor

Semiochemicals WG

Julius Kühn-Institut (JKI),
Federal Research Centre for
Cultivated Plants,
Dossenheim, GERMANY

Tim Beliën

Convenor

IP Fruit Crops WG

Department of Zoology,
pcfruit, BELGIUM

The organizing committee is integrated with the IOBC subgroup convenors; **Christian Linder** (Agroscope research Station, Switzerland); **Arne Stensvand** (Norwegian Institute for Agricultural and Environmental Research, Norway). **Petros Damos** (Aristotle University of Thessaloniki, Greece).

Venue



The meeting will take place in **Palau de Congressos**, at Girona city (https://gironacongressos.girona.cat/eng/perque_palau.php). It is located in the city center and has excellent air, rail and road connections. Girona is very well connected with the rest of Spain and Europe. Just 100 km from Barcelona, 60 km from the French border and only 30 km from the Costa Brava, a highly appreciated tourist destination. Air, rail and road networks provide excellent transport connections to the city. The high-speed rail line links Girona with Barcelona in 37 min, Madrid in 3.5 hours and Paris in 5.5 hours. The old quarter of Girona city hides corners with history, such as the Old Jewish Quarter, the houses on the Onyar river, the Basilica of Sant Fèlix,

the old city walls, the Arab Baths, the Romanesque monastery of Sant Pere de Galligants or the Cathedral (XIV-XVII centuries), which has the widest Gothic nave in the world.

The province of Girona is a very important gastronomic area, with almost 20 Michelin stars spread throughout the region. Some of the best restaurants in the world are in the city, having restaurants with three, two and one Michelin stars. There are also many other restaurants that offer food of great quality and variety. In summary, Girona is a city with a strong personality that offers history, wonderful landscapes, good food and good tourist and transport services that will make your visit a memorable experience.

Information on IOBC/WPRS and the working group:

If you want to find out more about the International Organization for Biological and Integrated Control of Noxious Animals and Plants (IOBC), go to the website of Global IOBC under <http://www.iobc-global.org/>. For information on the West Palearctic Region Section visit <http://www.iobc-wprs.org/>. Information on the expert group “Pheromones and other semiochemicals in integrated production” is at http://www.iobc-wprs.org/expert_groups/05_wg_pheromones.html. Information on the expert group “Integrated protection of fruit crops” is at https://www.iobc-wprs.org/expert_groups/02_wg_fruit_crops.html.

How to become an IOBC member

Go to http://www.iobc-wprs.org/members/membership_form_new_member_en.cfm

Preliminary program (*)

Sunday,	25th September	Registration and welcome cocktail
Monday,	26th September	Oral and poster sessions
Tuesday,	27th September	Oral and poster sessions
Wednesday,	28th September	Oral and poster sessions & social dinner
Thursday,	29th September	Oral and poster sessions
Friday,	30th September	Oral and poster sessions, business meeting & closing
Saturday,	1st October	Field visit excursion

(*) During the meeting, the election of the new IFP Convenor will take place.

We will address the following main topics:

- Chemical ecology of arthropod pests and their natural enemies
- Chemical ecology of insect pests in stored food
- Semiochemical-based pest management tactics (e.g., mating disruption, mass trapping, attract and kill, push-and-pull)
- Applying semiochemicals for monitoring and manipulation of parasitoids and predators
- New developments in pest monitoring methods
- New developments in pest control methods that minimize pesticide use
- Emerging phytosanitary problems in fruit crops under a changing environment
- Invasive pests: a challenge for IPM

- Knowledge transfer: from the laboratory to the field.
- Precision Farming and Precision Pest Management Decision support systems for IPM
- Biological control of invasive alien species
- Technical and biological tools to face the spread of fungicide resistance

Important dates

Deadline for submission of abstracts:	30 May 2022
Deadline for registration ‘early rate’:	30 May 2022
Deadline for submission of full papers:	15 December 2022

Scientific Committee

- Tim Beliën (Department of Zoology pcfuit vzw, Belgium)
- Dolors Bosch-Serra (IRTA, PVS, Spain)
- Petros Damos (Greek Ministry of Education and Religious Affairs, Directory of Secondary Education of Imathia, Greece)
- Lucía Adriana Escudero-Colomar (IRTA, PVS, Spain)
- Michelle Fountain (NIAB EMR, UK)
- Jannicke Gallinger (Swedish University of Agricultural Sciences, Department of Ecology, Sweden)
- Jürgen Gross (Julius Kühn-Institut, Federal Research Centre for Cultivated Plants, Germany)
- Ally Harari (Agricultural Research Organization ARO, Israel)
- Claudio Ioriatti (Center for Technology Transfer, Fondazione Edmund Mach, Italy)
- Greg Krawczyk (Pennsylvania State University, Department of Entomology, USA)
- Kerstin Krüger (University of Pretoria, South Africa)
- Christian Linder (Agroscope - Switzerland)
- Andrea Lucchi (Department of Agriculture, Food and Environment, University of Pisa, Italy)
- Jordi Luque (IRTA, PVS, Spain)
- Nikolaos T. Papadopoulos (University of Thessaly, Greece)
- Michael Rostás (University of Göttingen, Germany)
- Arne Stensvand (NIBIO - Norway)
- Gunda Thöming (Norwegian Institute of Bioeconomy Research, Norway)

Organising Committee

IOBC Coordination

- Tim Beliën (Department of Zoology pcfuit vzw, Belgium))
- Jürgen Gross (Julius Kühn-Institut, Federal Research Centre for Cultivated Plants, Germany)

Local organization (IRTA, Sustainable Plant Protection, Catalonia, Spain with the support of the University of Lleida and the University of Girona)

- Lucía Adriana Escudero-Colomar
- Dolors Bosch-Serra
- Judit Arnó
- Georgina Alins
- Jordi Cabrefiga
- Pere Vilardell

- Jordi Luque
- Jesús Avilla-Hernández (University of Lleida)
- Isidre Llorente-Cabratos (University of Girona)

Registration

Registration is made **through the conference website** and is required to attend the scientific sessions and social events.

For more information contact: pherofruits2022@pacifico-meetings.com.

	Early registration (before 30 th May 2022)	Late registration (after 30 th May 2022)
IOBC Member	470.00 €	600.00 €
IOBC Non-member*	590.00 €	720.00 €
MSc and PhD Student**	210.00 €	310.00 €

* includes a free one-year membership to IOBC-WPRS

**A certificate confirming student status is required to be submitted as a scanned copy to the Secretariat office of the conference

Abstracts should be submitted to PheroFruits2022@irta.cat

Abstracts will be accepted only after full registration (See the annex for instructions on abstracts and full papers). You will receive an e-mail confirmation after registration.

Full registration fee includes:

- Welcome reception event
- Official conference program, book of abstracts and participant’s package
- All lunches and mid-session coffee/refreshments breaks

Social dinner: 60.00 €

Accompanying person: 80:00 €

including

- Welcome reception

Accommodation

The list of recommended hotels and rates, as well as instructions for hotel reservation, will be soon available in the web site of the conference: www.PheroFruits2022.com

Climate

The climate is Mediterranean. September at Girona are mild; the average temperature is 19.3 °C, being the average high of 27.7 °C and the average low 12.2 °C. The average rainfall is 64.3 mm.

General information

Venue

Palau de Congressos
Pg. de la Devesa, 35.
17001 Girona, SPAIN

Hosting Societies

International Organisation for Biological
and Integrated Control, West Palaearctic
Regional Section (IOBC-WPRS)

Hosting Institutions

IRTA

Technical Secretariat

GRUPO PACIFICO MEETINGS & EVENTS
Maria Cubi, 4 - Pral. | 08006 Barcelona (SPAIN)
Tel. +34 932.388.777 | Fax. +34 932.387.488
Email: pherofruits2022@pacifico-meetings.com

Convenors

Semiochemicals IOBC WG

Jürgen Gross
Julius Kühn-Institut (JKI), Federal
Research Centre for Cultivated
Plants, Dossenheim, GERMANY

IP Fruit Crops IOBC WG

Tim Beliën
Department of Zoology
pcfruit vzw
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Religious Affairs,
Directory of Secondary Education
of Imathia,
Greece
Christian Linder
Agroscope research Station,
SWITZERLAND

Arne Stensvand
Norwegian Institute for Agricultural
and Environmental Research,
NORWAY

Conference Chair

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IRTA, Catalonia, SPAIN
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Johannes A. Jehle
Julius Kühn-Institut (JKI),
Institute for Biological Control
Darmstadt GERMANY

Conference web site www.PheroFruits2022.com will be operational from February 2022. For
any questions, contact the technical secretariat

ANNEX

How to submit a manuscript (to the email PheroFruits2022@irta.cat)

The presenting author must be a registered participant. Please note that the presenting author is not automatically registered by submitting an abstract. Regular registration is obligatory and binding and implies payment of the registration fee.

The presented scientific contributions will be published as conference proceedings in the IOBC-WPRS Bulletin and delivered on the website of IOBC-WPRS. Authors should prepare their manuscripts following IOBC guidelines (see **instructions below**). To allow good and uniform reproduction, all manuscripts must be submitted in **MS Word**. To facilitate the preparation of manuscripts a template can be downloaded from https://www.iobc-wprs.org/pub/bulletins/IOBC-WPRS_bulletin_manuscript_template.docx.

Language: The papers should be written in English. The content should be clear, concise, and has been revised by a native or experienced English speaker.

Type of manuscripts

- **Extended abstracts:** authors should submit an extended abstract (maximal 2 pages), both for poster and oral presentations
- **Full papers:** maximal 4 pages (preferred)

Deadlines

- **Extended abstracts:** should be submitted **before 30 May 2022**.
- **Full papers:** should be submitted **before 15 December 2022**.

Instructions: full paper

The papers should consist of:

- Abstract
- Key words
- Introduction
- Material and methods
- Results and discussion (separated or combined)
- Acknowledgements (if necessary)
- References

Instructions for the papers:

1. Paper-format: A4
2. Left and right margins of the text: 2.5 cm
Upper margin: 3.0 cm
Lower margin: 2.5 cm
This results in a printing area of 16 cm x 23.7 cm
3. Line spacing: 1
4. Font: “Times New Roman” or “Times”
5. All titles and subtitles should be flush left
6. Font of the title: 15 pt, bold

7. Font of the abstract: 11 pt
8. Font of subtitles (sections): 13 pt, bold
9. Font of the running text: 12 pt (except titles and abstract)
10. No hyphenation in the text
11. Justification of the text
12. Make sure that the first lines of all paragraphs (except for the paragraph that follows a title) are indented with a [Tab] command (0.8 cm). Do not use spaces instead of tabs and indents. Do not repeatedly use Standard-Tab stops
13. Scientific names of plants and animals in Italics
14. The authors' names should be typed in the normal font (not in capitals or any other face, not bold) in the text as well as in the “References”
15. Layout as shown in the template
16. Do not number the pages; the page numbering is done when the bulletins are being compiled

Tables & figures

1. Incorporate tables and figures into the manuscript. Make sure that they are not linked to a file on your own computer, which makes them disappear in the manuscript when it is sent away
2. Two free lines have to precede and follow each figure or table
3. Make your tables with the [Table]-function. Do not use repeated [Standard]-Tab's or spaces
Legends should be mentioned above the tables and under the figures. In the figures and tables the smallest font should be 10 pt. Smaller fonts may become unreadable
Tables and figures should be centered
4. To differentiate between parts of a diagram or between curves in a figure, use clearly different colours or shading in different patterns. Make sure that the patterns as well can be clearly discerned from each other. Please avoid in the figures large uniform black or grey areas, fill out the columns in a figure with a pattern or a colour
5. Coloured photographs are welcome, but they shouldn't require too much memory capacity (not more than 1 MB each)
The figures, too, should not require too much memory capacity.
6. If they need more than 1 MB, they will often have to be downsized which may be followed by a lack of quality

References

For journal abbreviations use the Web of Science list:

http://images.webofknowledge.com/WOK46/help/WOS/A_abrvjt.html

If you cite authors in the text, please order them according to the date of publication, first dates first, e.g. (Erwin & Ribeiro, 1996; Kuldau & Yates, 2000; McCracken et al., 2003), or “... Erwin & Ribeiro (1996) and McCracken et al. (2003) have shown...”

The references are written in Times Roman 12 pt with hanging indents by 0.8 cm in the first line. References are listed alphabetically. In the case of several references by the same author, give single-author references first, e.g. Smith (1996) before Smith et al. (1994), but Smith (1993) before Smith (1994). Please follow the examples given below for journal articles, book chapters and entire books and the examples in the bulletin manuscript.

Journal

McCracken, A. R., Berrie, A., Barbara, D. J., Locke, T., Cooke, L. R., Phelps, K., Swinburne, T. R., Brown, A. E., Ellerker, B. & Langrell, S. R. H. 2003: Relative significance of nursery infections and orchard inoculum in the development and spread of apple canker (*Nectria galligena*) in young orchards. *Plant Pathol.* 52: 553-566.

Book chapter

Kuldau, G. A. & Yates, I. E. 2000: Evidence for *Fusarium* endophytes in cultivated and wild plants. In: *Microbial Endophytes* (eds. Bacon, C. W. & White, J. F.): 85-117. Marcel Dekker, New York.

Book

Erwin, D. C. & Ribeiro, O. K. 1996: *Phytophthora Diseases Worldwide*. APS Press, St. Paul, USA.

URL

Beckleheimer, J. 1994: How do you cite URLs in a bibliography? [WWW document] URL

<http://www.nrlssc.navy.mil/meta/bibliography.html>. Cited 20 Apr. 2012. [font: 12 pt, indent second and following lines: 0.8 cm]

Online Journal

Pérez, J., Rojas, J. C., Montoya, P., Liedo, P., González, F. J. & Castillo, A. 2012: Size, shape and hue modulate attraction and landing responses of the braconid parasitoid *Fopius arisanus* to fruit odour-baited visual targets. *BioControl* doi:10.1007/s10526-011-9416-0

Note: The doi is reserved for journals that appear only online.

IOBC-WPRS Bulletin

Sigsgaard, L., Vogt, H. & Weintraub, P. G. 2011: Voices from vice-presidents of the IOBC-WPRS. *IOBC-WPRS Bull.* 57: 123-456. [note: before Volume 30, 2007, the issue number must be included, e.g. 30(1): 12-15.]

Instructions: extended abstract

For extended abstracts (max 2 pages), follow the instructions for manuscripts:

1. Paper-format: A4
2. Left and right margins of the text: 2.5 cm
Upper margin: 3.0 cm
Lower margin: 2.5 cm
This results in a printing area of 16 cm x 23.7 cm
3. Line spacing: 1
4. Font: “Times New Roman” or “Times”
5. Font of the extended abstract, key words etc.: 12 pt
6. Font of the title: 16 pt, bold
7. Font of subtitles (References, key words, acknowledgements...): 14 pt, bold
8. No hyphenation in the text
9. Justification of the text
10. Make sure that the first lines of all paragraphs (except for the paragraph that follows a title) are indented with a [Tab] command (0.8 cm). Do not use spaces instead of tabs and indents. Do not repeatedly use Standard-Tab stops
11. Scientific names of plants and animals in Italics
12. The authors’ names should be typed in the normal font (not in capitals or any other face, not bold) in the text as well as in the “References” (if appearing in the abstract)
13. If references are mentioned in the extended abstract, they must be listed under “References”
14. Key words should be mentioned, in a distance of 2 lines to the text

Acceptation of manuscript

The scientific committee will review the abstracts and notify the authors once the presentation form (oral/poster) has been determined.