

June 17 - 20, 2024  
Castellon de la Plana, Spain

# Plant BioProTech & IOBC-IR 2024



Plant  
BioProTech



IOBC-WPRS

## Program at Glance

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Organised by



## 2+1 Poster sessions & Innovation awards

Poster sessions - June 19, June 20

Innovation awards - June 20

## 12 Parallel sessions

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June 18 - June 20

with **90+ presentations** from global  
academia & industry experts

## 4 Keynote sessions

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June 18 - June 20

by **12+ international experts**

## Networking opportunities & Gala dinner

June 18 - June 20 / between lunch & coffee breaks or whenever you want !

**B2B meetings** parallel to all sessions / June 19 - Gala Dinner

# Plant BioProTech & IOBC-IR 2024

## Detailed program

June 17 - 20, 2024  
Castellon de la Plana, Spain



**June 17 (Mon)**

**June 18 (Tue)**

**June 19 (Wed)**

**June 20 (Thu)**

**Keynote Session 1 :**  
**Perception, signaling and**  
**elicitors in plant**  
**immunity**  
(08:00 - 10:00)

Coffee Break (10:00 - 10:30)

Parallel Session 1  
BBFPB  
(10:30 - 13:10)

Parallel Session 2  
SPDA  
(10:30 - 13:10)

Lunch Break (13:10 - 14:30)

Parallel Session 3  
ENSSCP  
(14:30 - 16:45)

Parallel Session 4  
BBFPB  
(14:30 - 16:45)

Coffee Break (16:45 - 17:15)

Parallel Session 5  
MBPI  
(17:15 - 18:50)

Parallel Session 6  
SBMSP  
(17:15 - 18:50)

Welcome reception  
/ Registration  
(18:00 - 20:00)

**Keynote Session 2 :**  
**Biostimulants & Biocontrol**  
(09:00 - 10:30)

Coffee Break (10:30 - 11:00)

Parallel  
Session 7  
ENSSCP  
(11:00 - 13:25)

Parallel  
Session 8  
MBPI  
(11:00 - 13:25)

Lunch Break (13:25 - 14:30)

**Keynote Session 3 : Soil**  
**Microbiome in Plant**  
**Immunity**  
(14:30 - 16:00)

Posters (16:00 - 17:30)

IOBC voting  
(17:30 - 18:00)

Departure for gala dinner  
(18:00 - 19:00)

Gala Dinner (19:00 - 22:00)

Parallel  
Session 9  
ENSSCP  
(08:30 - 09:45)

Parallel  
Session 10  
BBFPB  
(08:30 - 09:45)

**Coffee Break & Posters**  
(09:45 - 10:30)

Parallel  
Session 11  
SPDA  
(10:30 - 12:00)

Parallel  
Session 12  
ENSSCP  
(10:30 - 12:00)

Lunch Break (12:00 - 13:30)

**Keynote Session 4 :**  
**Regulations & Climate change**  
(13:30 - 14:30)

**Innovation awards**  
(14:30 - 15:00)

**Closing remarks**  
(15:00 - 15:30)

B2B meetings will take place  
in parallel to all marked sessions

# Plant BioProTech & IOBC-IR 2024

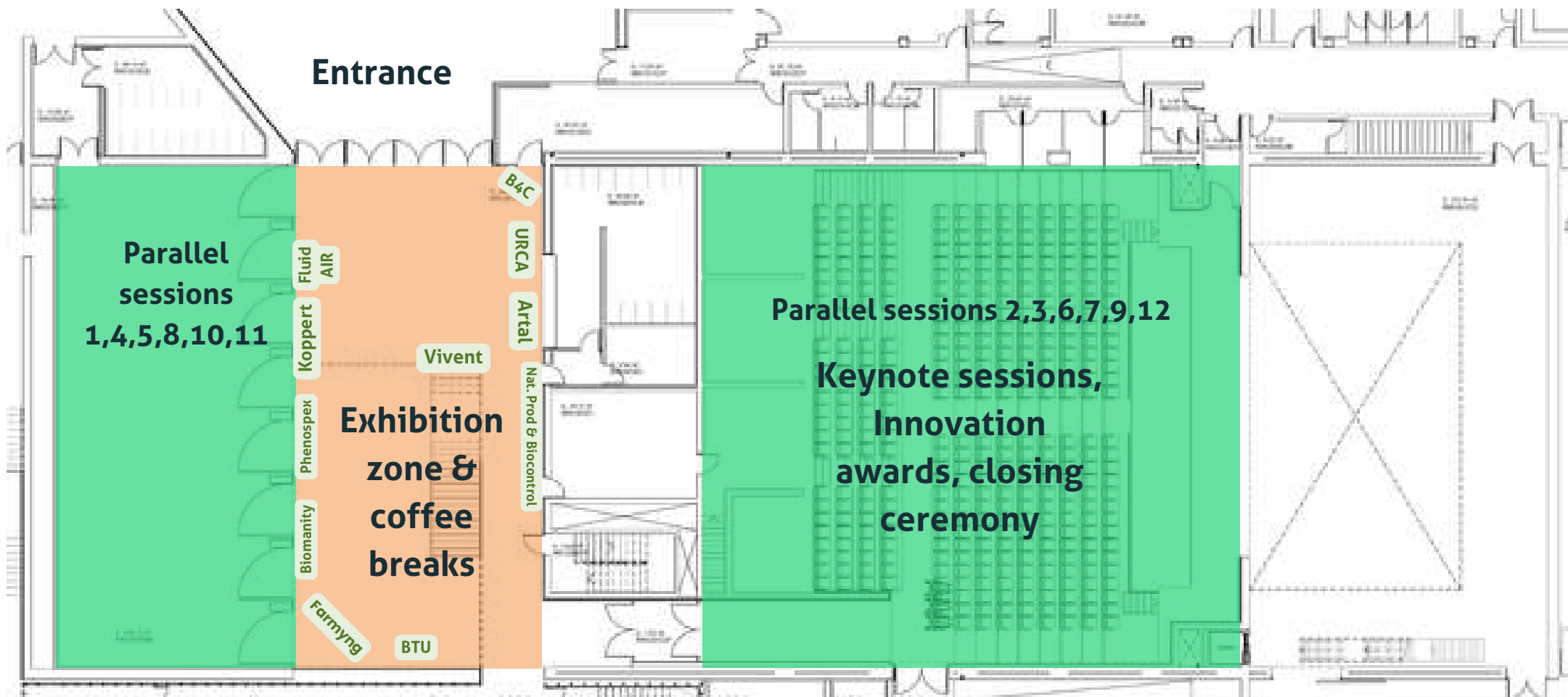
## PARALLEL SESSIONS

JUNE 17 - JUNE 20 | CASTELLON DE LA PLANA, SPAIN



## Discover our 12 parallel sessions

1. Biostimulants and Biocontrol in the Future of Plant Bioprotection (BBFPB)
2. From Signal Perception to Defense Activation (SPDA)
3. Exploring Novel Strategies for Sustainable Crop Protection (ENSSCP)
4. Biostimulants and Biocontrol in the Future of Plant Bioprotection (BBFPB)
5. Microbiome in Plant immunity (MBPI)
6. Systems Biology and mapping stress pathways (SBMSP)
7. Exploring Novel Strategies for Sustainable Crop Protection (ENSSCP)
8. Microbiome in Plant immunity (MBPI)
9. Exploring Novel Strategies for Sustainable Crop Protection (ENSSCP)
10. Biostimulants and Biocontrol in the Future of Plant Bioprotection (BBFPB)
11. From Signal Perception to Defense Activation (SPDA)
12. Exploring Novel Strategies for Sustainable Crop Protection (ENSSCP)

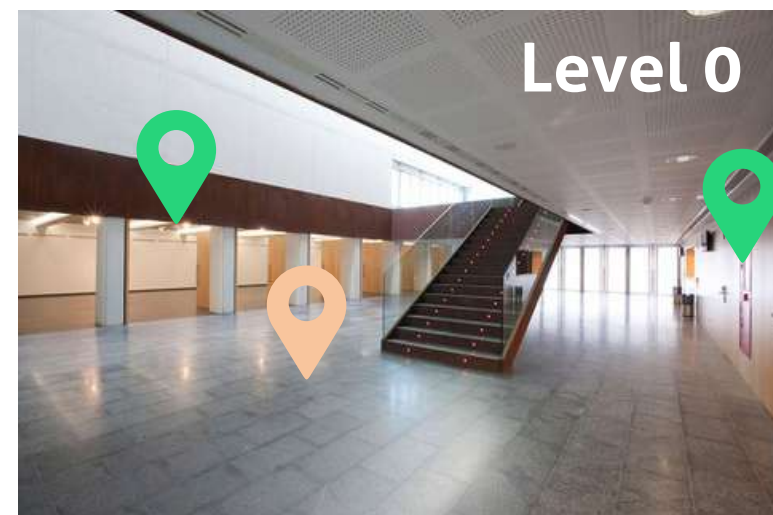


# Expo Plan

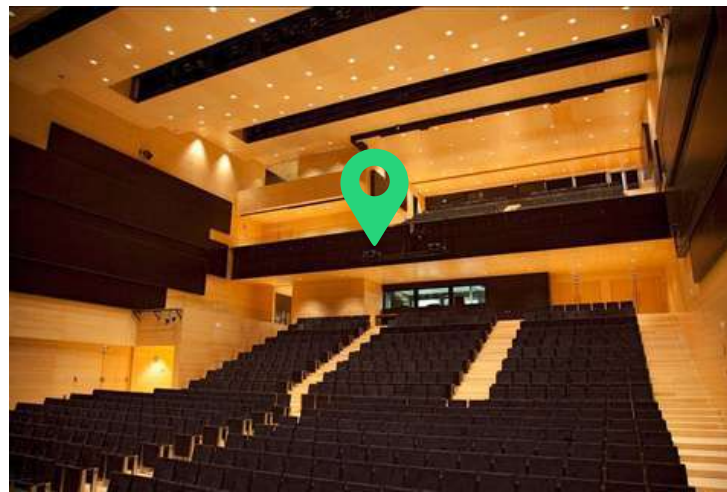
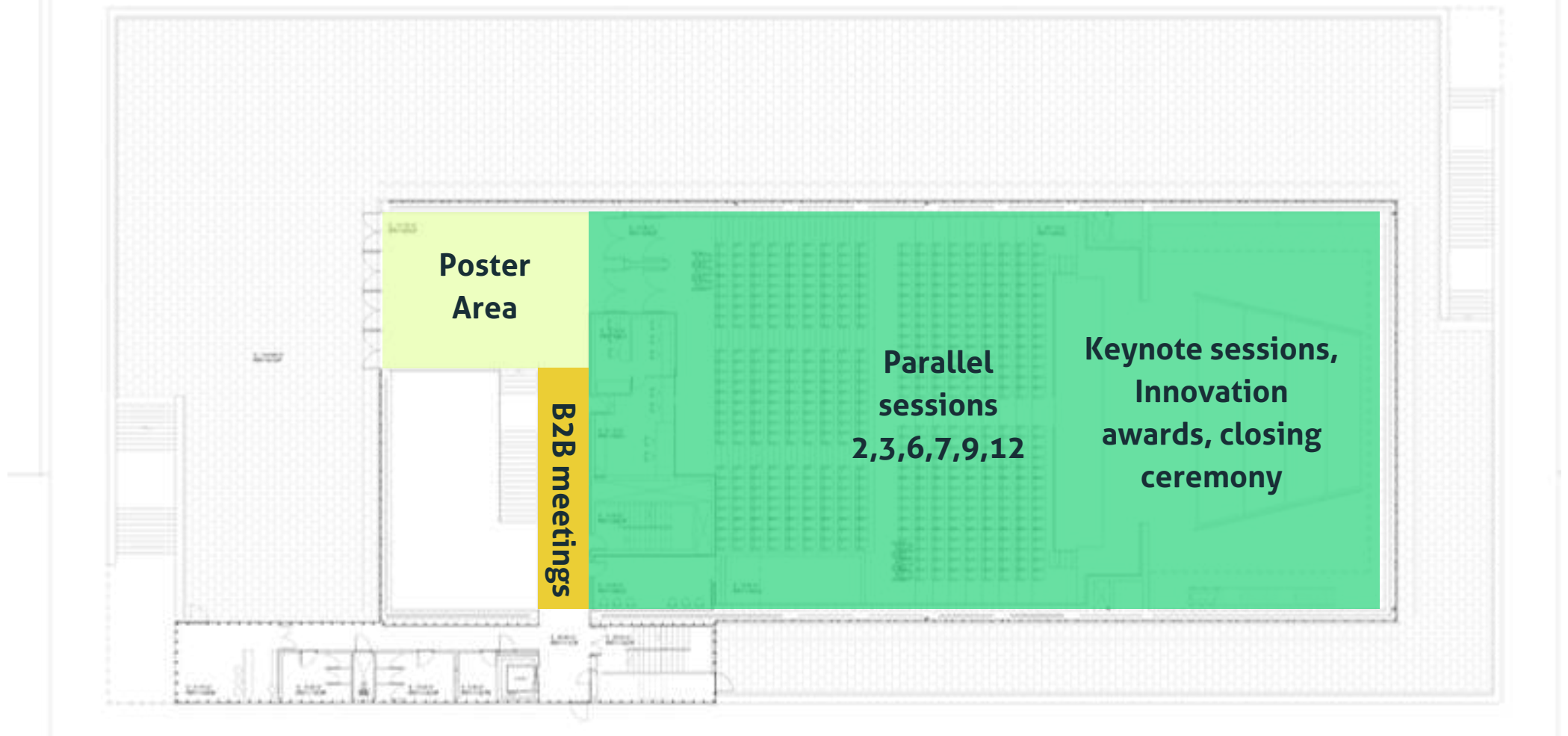
Plant BioProTech 2024 & IOBC-IR



Paranimf of the Universitat Jaume I Avenida Vicente Sos Baynat, s/n, 12006 Castelló de la Plana, Castellón, Spain







**Level 1**

**Plant BioProTech & IOBC-IR 2024**

**DAY 1**

JUNE 17 | CASTELLON DE LA PLANA, SPAIN



**DAY 1**

**JUNE 17**

**WELCOME RECEPTION / REGISTRATIONS**

**18:00 - 20:00**

**Plant BioProTech & IOBC-IR 2024**

**DAY 2**

JUNE 18 | CASTELLON DE LA PLANA, SPAIN



**DAY 2**  
**JUNE 18**  
**CONFERENCE DAY**  
**08:00 - 18:50**



# Plant BioProTech & IOBC-IR 2024

## KEYNOTE SESSION 1

JUNE 18 | 08:00 - 10:00



## Perception, signaling and elicitors in plant immunity

**08:00 - 08:30**

### OPENING

**Essaid Ait Barka - Chairman**

**Christophe Clément**  
**Jesus Lancis**

President University of Reims Champagne-Ardenne, France  
Rector University of Jaume I, Spain

**Victor Flors Herrero**


Convenor IOBC, University of Jaume I, Spain

**Johan de Coninck**

Head of Connections & International Team, Bioeconomy for Change (B4C), France

**08:30 - 09:00**


### PRIMING PLANTS FOR ENHANCED DEFENSE

**Uwe Conrath** University of Aachen, Germany   
Professor Plant Biochemistry, Physiology, Phytopathology



**09:00 - 09:30**


### PLANT-TO-PLANT PROPAGATION OF SYSTEMIC ACQUIRED RESISTANCE.

**Corina Vlot-Schuster** The University of Bayreuth, Germany   
Chair professor of Crop Genetics research group



**09:30 - 10:00**

### SALIVARY SABOTAGE: HOW CATERPILLARS ORCHESTRATE PLANT DEFENSES

**Gary Felton** Penn State University, United States of America   
Ralph O. Mumma Professor





**COFFEE BREAK**

**JUNE 18**

**10:00 - 10:30**

Time for a delicious  
coffee & some  
networking !  
Enjoy !



# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 1

JUNE 18 | 10:30 - 13:10



## Biostimulants and Biocontrol in the Future of Plant Bioprotection

- 10:30 - 10:50** Innovative free cell biostimulant from *Bacillus subtilis* | Yazen Yaseen (Chairman) Elephant Vert Lipofabrik
- 10:50 - 11:05** Innovative enzymes against phytopathogens | David Daudé Gene&GreenTK
- 11:05 - 11:20** pherolit®-d – first sprayable pheromone for sustainable control of the western corn rootworm (*Diabrotica v.v.L*) in integrated crop protection | Melanie Paumann Lithos Crop Protect GmbH
- 11:20 - 11:35** An innovative biofungicide for the control of downy mildew, late blight and powdery mildews on vegetables | Sandrine Troussieux Amoeba
- 11:35 - 11:50** Questions
- 11:50 - 12:10** PAUSE
- 12:10 - 12:25** Local and short circuit production of biobased products for sustainable agriculture | Annabel Levert Akinao
- 12:25 - 12:40** Development of biopesticides for post-harvest: the journey of a new active ingredient. The future is now | Geoffroy de Chabot-Tramecourt Janssen PMP
- 12:40 - 12:55** Questions

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 2

JUNE 18 | 10:30 - 13:10



## From Signal Perception to Defense Activation

- 10:30 - 10:50**    **Dissection of the complexity of Arabidopsis-spider mite interaction |**  
Vojislava Grbic (Chairwoman)    Western University of Ontario, Canada
- 10:50 - 11:05**    **Plant molecular responses to biostimulants |**    Claire Benezech    Institut Agro Montpellier, France
- 11:05 - 11:20**    **Host adaptation and specialization in Tetranychidae mites |**  
Kristie Bruinsma    Western University of Ontario, Canada
- 11:20 - 11:35**    **Dehydroascorbic acid induces resistance against root-knot nematodes in the same and a subsequent rice generation |**    Tina Kyndt    University of Ghent, Belgium
- 11:35 - 11:50**    **Epigenetic imprinting of forest trees |**    Estrella Luna Diez    University of Birmingham, United Kingdom
- 11:50 - 12:10**    **PAUSE**
- 12:10 - 12:20**    **Molecular Mechanisms in the establishment and Long-Lasting maintenance of Tomato Induced Resistance |**    Lamya Majeed    University of Birmingham, United Kingdom
- 12:20 - 12:30**    **N-hydroxy-pipecolic acid selectively primes salicylic acid inducible immunity, reliant on a pair of WRKY transcription factors |**    Robert Mason    University of Edinburgh, United Kingdom
- 12:30 - 12:40**    **Impact of biopolymers stimulants on the UPR (Unfolded Protein Response) induction involved in protein homeostasis in wheat : use of the molecular marker TabZIP60s |**    Maxime Dupont    UMR GDEC, INRAE, France
- 12:40 - 12:50**    **Identifying cores in plant-plant communication during mycorrhiza-induced resistance against Tetranychus urticae |**    Iván Ortega Miralles    University of Jaume I, Spain



# Plant BioProTech & IOBC-IR 2024

## LUNCH BREAK

JUNE 18 | 13:10 - 14:30



## LUNCH BREAK

### JUNE 18

### 13:10 - 14:30

Time for a delicious Lunch !  
Don't forget to network &  
find your new partners !  
Enjoy !





# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 3

JUNE 18 | 14:30 - 16:45



## Exploring Novel Strategies for Sustainable Crop Protection

- 14:30 - 14:50**    **Stress Knowledge Map: A knowledge graph resource for plant scientists |**  
Kristina Gruden (Chairwoman) National Institute of Biology (NIB), Slovenia
- 14:50 - 15:05**    **Sodium saccharin induces resistance against *Pseudomonas syringae* pv. *actinidiae* (Psa biovar 3) in glasshouse kiwifruit and orchard vines |** Tony Reglinski    Ruakura Research Centre, New Zealand
- 15:05 - 15:20**    **Fungal and Bacterial disease resistance by chemical elicitation of defences in oak |**  
Rosa Sanchez-Lucas    University of Birmingham, United Kingdom
- 15:20 - 15:35**    **Diversity of *Neofusicoccum parvum* to produce the phytotoxic metabolites (-)-terremutin and (R)-mellein to reveal their function as virulence or pathogenicity factors |**  
Larissa Heck    University of Reims Champagne-Ardenne, France
- 15:35 - 15:50**    **Difficidin and Macrolactin, two polyketides produced by *Bacillus velezensis* acting synergistically to biocontrol crown gall disease |** François Coutte    University of Lille, France
- 15:50 - 16:05**    **An insect specific RNA virus alters herbivore-plant interaction through modulation of the caterpillar oral secretions |** Salvador Herrero    University of València, Spain
- 16:05 - 16:20**    **Co-infection of a necrotrophic pathogen and cucumber green mottle mosaic virus accelerates damage during late wilting disease via a rapid suppression of the defense mechanisms |**  
Omer Frenkel    The Volcani Center, Israel
- 16:20 - 16:30**    **Unraveling the role of Herbivore-Induced Plant Volatiles (HIPVs) in citrus plant defenses: mitigating the impact of citrus pests through volatile exposure |**  
Raul Ortells Fabra    Instituto Valenciano de Investigaciones Agrarias, Spain

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 4

JUNE 18 | 14:30 - 16:45



## Biostimulants and Biocontrol in the Future of Plant Bioprotection

- 14:30 - 14:50** **Biostimulant efficacy demonstrated using electrophysiology for peppers and mandarins |**  
Andrzej Kurenda (Chairman) Vivent Biosignals, Switzerland
- 14:50 - 15:05** **Antoferine, an eco-friendly plant extract, inhibits fungal growth and mycotoxin production |**  
Dorian Aznar Antofénol, France
- 15:05 - 15:20** **Influence of Microbial Products on Soil Health Indicators |**  
Dmytro Yakovenko BTU-Center, Ukrainian Biotechnology, Ukraine
- 15:20 - 15:35** **Unravelling the potential of essential oils in pest management strategies |**  
Léa Nicault Incérès, France
- 15:35 - 15:50** **PAUSE**
- 15:50 - 16:05** **Evaluation of Fungal Chitosan-Based Solutions for Enhanced Protection Against Grapevine Pathogens |** Guillaume Deleixhe Kitozyme, Belgium
- 16:05 - 16:20** **Is induction of resistance in oilseed rape to *Sclerotinia sclerotiorum* a possible mode of action for two microbial biocontrol agents? |**  
Estelle Turc Elephant Vert Lipofabrik, Switzerland
- 16:20 - 16:35** **Deploy plant protection through biocontrol – focus on qPFD® improvements (Protect + project, 2018-2023) |** Klervi Crenn Vegenov, France
- 16:35 - 16:45** **Revealing GA342: A promising tomato protection against *Phytophthora infestans*? |**  
Valentin Penaud Research unit AGHYLE UP 2018. C101, UniLaSalle, France



**COFFEE BREAK**

**JUNE 18**

**16:45 - 17:15**

Time for a delicious  
coffee & some  
networking !  
Enjoy !



# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 5

JUNE 18 | 17:15 - 18:40



### Microbiome in Plant immunity

- 17:15 - 17:35**   **Highlighting bacterial and plant key genetic factors of the molecular dialog between Plant Growth-Promoting Bacteria and *Arabidopsis thaliana* |**  
Fabienne Vailleau (Chairwoman)   Laboratory of Plants Microbes and Environment Interactions (LIPME), INRAE, France
- 17:35 - 17:50**   **Ecological drivers of disease phenotype in *Arabidopsis thaliana* |**  
Angélique Rat   RIBP Laboratory, Université de Reims Champagne-Ardenne, France
- 17:50 - 18:00**   ***Bacillus mycoides*, isolated from Sahara Desert, induce resistance in tomato plants against *Botrytis cinerea* |** Marta Orero Bayo   University of Jaume I, Spain
- 18:00 - 18:10**   **Constitutive and induced tomato defenses contribute to *Bacillus thuringiensis* lethality against *Spodoptera exigua* |** Ada Frattini Llorens   University of València, Spain
- 18:10 - 18:20**   **Quick in vitro screening of PGPM for salt tolerance and evaluation of induced tolerance to saline stress in tomato culture |**  
Julien Colombet   HES-SO University of Applied Sciences and Arts, Western Switzerland
- 18:20 - 18:30**   **Steering the soil microbiome by "herbivore-plant-soil" feedbacks differentially influences tomato and sunflower growth and resistance |**  
Pablo Manuel Rodríguez Blanco   Institute of Natural Resources and Agrobiology of Salamanca, Spain
- 18:30 - 18:40**   **Revealing the Microbial Landscapes of Key Grapevine Varieties in the Champagne Region: A Metagenomic Exploration of Phyllosphere and Carposphere Microbiota |**  
Daniel Legesse   RIBP Laboratory, Université de Reims Champagne-Ardenne, France



# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 6

JUNE 18 | 17:15 - 18:50



## Systems Biology and mapping stress pathways

- 17:15 - 17:35** Volatile organic compounds can induce grapevine resistance against downy mildew with complex changes in the leaf metabolome and transcriptome |  
Michele Perazzolli (Chairman) University of Trento, Italy
- 17:35 - 17:50** Development of an innovative untargeted metabolomics tool to improve prophylaxis in peach crops | Marie-Virginie Salvia University of Perpignan, France
- 17:50 - 18:05** Combining genome mining and bioassays : a relevant strategy to explore the diversity of microbial cyclic lipopeptides with potential use in biocontrol | Valérie Leclerc University of Lille, France
- 18:05 - 18:20** Innate immune stimulation of flax against a biotrophic pathogen, *Oidium lini*. Transcriptional and metabolomic activation by an oligosaccharide-based elicitor |  
Pierre Van Cutsem University of Namur, Belgium
- 18:20 - 18:30** PAUSE
- 18:30 - 18:40** Metabolomic profiling of saponins in seven species of grain Fabaceae using UHPLC coupled to mass spectrometer |  
Salma Halime University of Reims Champagne-Ardenne, France
- 18:40 - 18:50** Multi-omic approach to mycorrhizal tomato plant responses against *Botrytis cinerea* |  
Maria Manresa Grao University of Jaume I, Spain

**Plant BioProTech & IOBC-IR 2024**

**DAY 3**

JUNE 19 | CASTELLON DE LA PLANA, SPAIN



**DAY 3**  
**JUNE 19**  
**CONFERENCE DAY**  
**09:00 - 22:30**

# Plant BioProTech & IOBC-IR 2024

## KEYNOTE SESSION 2


JUNE 19 | 09:00 - 10:30



## Biostimulants and Biocontrol

**Essaid Ait Barka (Chairman)** Vice president for international relations, University of Reims  
Champagne-Ardenne, Reims, France

**09:00 - 9:30** **UNVEILING THE REGULATORY MECHANISMS GOVERNING LIPOPEPTIDE PRODUCTION IN PSEUDOMONAS POLY-PRODUCERS TO ENHANCE THEIR BIOCONTROL POTENTIAL**

**Monica Höfte** University of Ghent, Belgium   
Professor Faculty of Bioscience Engineering, Department Plants & Crops




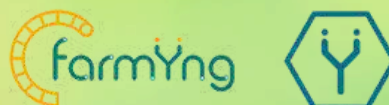
**09:30 - 10:00** **THE ROLE OF BIOVEGEN AS A PUBLIC-PRIVATE PARTNERSHIP AND AN R&D SERVICES PROVIDER IN PLANT PRODUCTION**

**David Lapuente Pinilla** Technological Platform for Plant Biotechnology  
Project Manager R&D (BIOVEGEN) 



**10:00 - 10:30** **INSECT REARING BY-PRODUCTS AS A NOVEL SOURCE FOR INNOVATIVE BIOSOLUTIONS**

**Emelien Bouhuon** EU project FARMYNG   
Plant & Soil Engineer at YNSECT





**COFFEE BREAK**

**JUNE 19**

**10:30 - 11:00**

Time for a delicious  
coffee & some  
networking !  
Enjoy !





# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 7

JUNE 19 | 11:00 - 13:25



## Exploring Novel Strategies for Sustainable Crop Protection

- 11:00 - 11:20** **How AI techniques could contribute to tomorrow's crop protection. Example of disease detection in viticulture | Eric Perrin (Chairman)**  
Smart-farming axis of the Centre de Recherche en Sciences et Technologies de l'Information et de la Communication (CReSTIC), University of Reims Champagne-ardenne, France
- 11:20 - 11:35** **Can we predict whether a biocontrol product will be efficient? | Elsa Ballini** Institut Agro Montpellier, France
- 11:35 - 11:50** **Digibiocontrol, a Walloon network to promote the digital and biocontrol alliance for a more sustainable agriculture | Philippe Jacques** University of Liège, Belgium
- 11:50 - 12:00** **Grapevine automatic detection of disease (DASY project) | Tanguy Daval** Segula Technologies & University of Reims Champagne-Ardenne, France
- 12:00 - 12:10** **Deep learning model for evaluating barley net blotch disease symptoms in sustainable crop production | Yassine Bouhouch** Université de Reims Champagne-Ardenne, France
- 12:10 - 12:25** **PAUSE**

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 7

JUNE 19 | 11:00 - 13:25



## From Signal Perception to Defense Activation

Victoria Pastor (Chairwoman) University of Jaume I, Spain

- 12:25 - 12:40** **Plant genotype and soil management modulate the outcomes of plant-soil feedback in tomato growth and resistance |**  
Guadalupe Zitlalpopoca Hernandez Institute of Natural Resources and Agrobiology of Salamanca, Spain
- 12:40 - 12:55** **Microbe-Induced Resistance against Tuta absoluta: from the lab to the field |**  
Beatriz Ramírez-Serrano Zaidín Experimental Station of the Spanish National Research Council (CSIC), Spain
- 12:55 - 13:10** **Stenotrophomonas rhizophila inhibits Botrytis cinerea growth and infection: insights into its mode of action |**  
Ivan Baccelli National Research Council of Italy, Italy
- 13:10 - 13:25** **Evaluating the potential of Mycorrhiza-Induced Resistance under agronomic settings |**  
Zhivko Minchev Zaidín Experimental Station of the Spanish National Research Council (CSIC), Spain

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 8

JUNE 19 | 11:00 - 13:25



## Microbiome in Plant immunity

- 11:00 - 11:20** Investigation of the microbiome structure and function in grapevines escaping trunk diseases |  
Eirian Jones (Chairwoman) Lincoln University, New Zealand
- 11:20 - 11:30** Harnessing *Bacillus* spp. for biocontrol against *Phytophthora cryptogea* in hydroponic lettuce cultivation | Kilian Van Looke University of Ghent, Belgium
- 11:30 - 11:40** Arbuscular mycorrhizal symbiosis promotes systemic modulation of genes in wheat leaves and confers resistance to *Zymoseptoria tritici* infection |  
Mathieu Delaeter Université du Littoral Côte d'Opale, France
- 11:40 - 11:50** A new biofungicide: efficacy and mechanism of action against fungal and oomycete pathogens |  
Sofia Montanari University of Trento, Italy
- 11:50 - 12:00** Decoding humic and fulvic acids effects on tomato resistance to drought stress: unraveling the role of endophytic bacteria | Salomé Lengrand Université Catholique de Louvain-la-Neuve, Belgium
- 12:00 - 12:15** PAUSE



# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 8

JUNE 19 | 11:00 - 13:25



## Microbiome in Plant immunity

### **12:15 - 12:30 Enhancing Maize Drought Resistance and Yield through Microbiological Preparations |**

Yaroslava Bukhonska BTU Center, Ukrainian Biotechnology, Ukraine

### **12:30 - 12:45 Phyllosphere microbiome-based biocontrol solution against grapevine diseases |**

Sébastien Bruissson University of Fribourg, Switzerland

### **12:45 - 13:00 Bacillus velezensis BE2, a Plant-Associated Strain, Exhibits Robust Protection Against Net Blotch Disease in Barley |**

Emma Dutilloy University of Liège, Belgium

### **13:00 - 13:15 Polyamine metabolism is involved in Trichoderma-induced systemic resistance in tomato against herbivory |**

Ivan Manuel Fernandez Lopez IRNASA, Zaidín Experimental Station of the Spanish National Research Council (CSIC), Spain

### **13:15 - 13:25 Root-associated bacteria isolated from wild cold-adapted alpine plants can enhance plant growth and cold tolerance in tomato seedlings |**

Irma Milanese University of Trento, Italy

# Plant BioProTech & IOBC-IR 2024

## LUNCH BREAK

JUNE 19 | 13:25 : 14:30



## LUNCH BREAK

### JUNE 19

### 13:25 : 14:30

Time for a delicious Lunch !  
Don't forget to network &  
find your new partners !  
Enjoy !





# Plant BioProTech & IOBC-IR 2024

## KEYNOTE SESSION 3

JUNE 19 | 14:30 - 16:00



## Soil Microbiome in Plant immunity

### 14:30 - 15:00 BI-DIRECTIONAL COMMUNICATION ALONG THE MICROBIOME-ROOT-SHOOT AXIS

**Corné Pieterse (Chairman)** University of Utrecht, Netherlands  
Lab Head, Plant-Microbe Interactions, Department of Biology



### 15:00 - 15:30 A RECEPTOR AND GROWTH REGULATING TRANSCRIPTION FACTORS MEDiate ARABIDOPSIS RESPONSIVENESS TO MICROBIOTA FEEDBACKS

**Klaus Schläppi** University of Basel, Switzerland  
Professor, Department of Environmental Sciences



### 15:30 - 16:00 MYCORRHIZA INDUCED RESISTANCE: FUNCTIONING AND APPLICATIONS IN A MULTITROPHIC CONTEXT

**Maria J. Pozo** Zaidín Experimental Station of the Spanish National  
Research Council (CSIC), Spain  
Professor in plant pathology





# Plant BioProTech & IOBC-IR 2024

## POSTER SESSION

JUNE 19 | 16:00 - 17:30



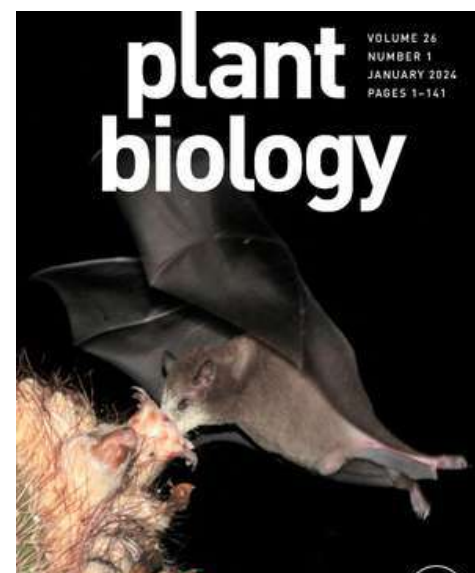
## POSTER SESSION 1

JUNE 19

16:00 - 17:30

An assorted display of  
70 posters from around  
the world

With special support of  
Wiley - Plant Biology Journal



plant biology



WILEY

# Plant BioProTech & IOBC-IR 2024

## IOBC VOTING & DEPARTURE

JUNE 19 | 17:30 - 19:00



**17:30 - 18:00**

**IOBC VOTING**

**18:00 - 19:00**

**Departure for Gala dinner**

Please reach "Estacion de Castelló" by 18:30 to get bus for reaching the venue of Gala dinner

Adresse : Carrer del Pintor Olet, s/n, 12006 Castelló de la Plana, Castelló, Spain



# Plant BioProTech & IOBC-IR 2024 GALA DINNER

JUNE 19 | 19:00 - 22:30



**June 19 19:00 - 22:30**

## **GALA DINNER**

**Masia Fuente La Reina,  
Castellon de la Plana, Spain**

Address : Partida Coscollosa, 58, 12004  
Castelló de la Plana, Castelló, Spain

Rejoice your tastebuds with local flavors and  
take a break while networking with global  
stakeholders.

Enjoy our networking cocktail & Gala dinner !





**Plant BioProTech & IOBC-IR 2024**

**DAY 4**

JUNE 20 | CASTELLON DE LA PLANA, SPAIN



**DAY 4**  
**JUNE 20**  
**CONFERENCE DAY**  
**08:30 - 15:30**

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 9

JUNE 20 | 08:30 - 09:45



## Exploring Novel Strategies for Sustainable Crop Protection

- 08:30 - 8:45**     **Application of protein hydrolysates to improve resistance to stresses |**  
Simona Sanzani (Chairwoman) University of Bari Aldo Moro, Italy
- 8:45 - 9:00**     **Are PO212 endo-xylanases effective elicitors to trigger of plant defence systems in tomato plants? |** Elena Requena Plant Protection Department, INIA-CSIC, Spain
- 9:00 - 9:15**     **Control of sugar beet yellows viruses by behavioural manipulation of aphid vectors in the field via volatiles |** Tarek Daroudi Agriodor
- 09:15 - 09:25**     **The endophytic role of the entomopathogenic fungus *Beauveria bassiana* in agricultural |**  
Corentin Clavé Insect Biology Research Institute & Department of Agricultural Sciences, France & Italy
- 09:25 - 09:35**     **Improvement of water management using polymeric biostimulation on *Triticum aestivum* |**  
Aldo Borjas Université Clermont Auvergne, France
- 09:35 - 09:45**     **Triggering plant immune response in different strawberry cultivars through repeated elicitors application |**  
Chiara Murena University of Porto, Portugal

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 10

JUNE 20 | 08:30 - 09:45



## Biostimulants and Biocontrol in the Future of Plant Bioprotection

- 08:30 - 8:45**     **Sustainable Pest Management Crossing the Above-belowground Domains: soil-borne Entomopathogenic Nematodes controlling foliar-caterpillars |**  
Roxina Soler (Chairwoman)    Koppert, Holland
- 8:45 - 9:00**     **Tri-Soil®, a biofungicide based on an effective formulation of the robust strain Trichoderma atroviride I-1237 to control soilborne diseases in vegetable crop production |**  
Patricia Letousey    Agrauxine by Lesaffre, France
- 9:00 - 9:15**     **The new biosourced and biodegradable SAPs: towards a paradigm shift for agriculture under water stress |**  
Julien Soms    Biomanity, France
- 9:15 - 09:25**     **Antagonistic effects of plant growth-promoting rhizobacteria consortium against the tomato wilt disease caused by *Clavibacter michiganensis* subsp. *Michiganensis* |**  
Salma Benchlih    RIBP Laboratory, Université de Reims Champagne-Ardenne, France
- 09:25 - 09:35**     **Unlocking the potential of rhizobacteria in Moroccan vineyard soils: Biocontrol |**  
Kenfaoui Jihane    RIBP Laboratory, Université de Reims Champagne-Ardenne, France
- 09:35 - 09:45**     **Screening of Bioactive Metabolites Produced by Bacillus Isolated from Cuban Wheat Accessions: Potentialities in Biocontrol, Tolerance to Drought and Plant Growth Promotion |**  
Alexander Govin-Sanjudo    RIBP Laboratory, Université de Reims Champagne-Ardenne, France



# Plant BioProTech & IOBC-IR 2024

## COFFEE BREAK & POSTER SESSION

JUNE 20 | 09:45 - 10:30



## COFFEE BREAK & POSTER SESSION 2

### JUNE 20

### 09:45 - 10:30

Time for a delicious coffee around an  
assorted display of 70 posters from  
around the world & some networking !  
Enjoy !



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# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 11

JUNE 20 | 10:30 - 12:00



## From Signal Perception to Defense Activation

- 10:30 - 10:50** **Insights into the mechanisms of Extracellular DNA-Induced Resistance against *Frankliniella occidentalis* |**  
Jordi Gamir Felip (Chairman) University of Jaume I, Spain
- 10:50 - 11:05** **Activation of systemic plant resistance by a novel plant "wire communication" by *Trichoderma hamatum*: a new biotechnological tool in biological control mechanisms |**  
Jorge Poveda University of Valladolid, Spain
- 11:05 - 11:20** **Next generation PO212 microbial fungicide products to trigger induced resistance in temperate horticultural crops against soil-borne pathogens |**  
Belén Guijarro Díaz-Otero Plant Protection Department, INIA-CSIC, Spain
- 11:20 - 11:35** **Innovating a targeted chitosan-derived biocontrol solution to induce grapevine resistance against downy and powdery mildews |**  
Benoit Poinssot Université de Bourgogne, INRAE, Institut Agro Dijon, UMR Agroécologie, France
- 11:35 - 11:50** **From Damage to Defense: ATM and ATR Mediated Immune Responses Triggered by Extracellular Self-DNA |** Isaac Vega Munõz CINVESTAC - Irapuato, Plant Ecology Lab, Mexico

# Plant BioProTech & IOBC-IR 2024

## PARALLEL SESSION 12

JUNE 20 | 10:30 - 12:00



## Exploring Novel Strategies for Sustainable Crop Protection

- 10:30 - 10:50**    **Mycorrhiza-induced resistance in wheat leaves and protection against pathogenic fungi |**  
Béatrice Randoux (Chairwoman)    UCEIV, Université Littoral-Côte d'Opale, France
- 10:50 - 11:00**    **Nitrodefense : When low nitrogen status improves apple response to plant resistance inducers |**  
Térance Mobarak    INRAE / Institut Agro, France
- 11:00 - 11:10**    **Short-chain chitin oligomers (CO<sub>4</sub>) inhibit immune responses in grapevine |**  
Tania Marzari    INRAE / CNRS / AgroSup / uB Pôle Interaction Plantes-Microorganismes, France
- 11:10 - 11:20**    **Biological control of *Phytophthora infestans* in *Solanum tuberosum* by volatile organic compounds |**  
Laurence Vandebulcke    University of Ghent, Belgium
- 11:20 - 11:30**    **Effects of caterpillar's diet and microbes on the tomato defense response upon herbivory by two *Spodoptera* species |**  
Elena García Marín    University of Valencia, Spain
- 11:30 - 11:40**    **Identification and characterization of genetic factors involved in rhamnolipid perception and signaling in *Arabidopsis thaliana* |**  
Juliette Stanek    RIBP Laboratory, Université de Reims Champagne-Ardenne, France
- 11:40 - 11:50**    **Production of the phytotoxic metabolite (R)-Mellein and molecular networking analysis of *Neofusicoccum parvum* strains using large-scale fermentation |**  
Julien David Restrepo-Leal    RIBP Laboratory, Université de Reims Champagne-Ardenne, France



# Plant BioProTech & IOBC-IR 2024

## LUNCH BREAK

JUNE 20 | 12:00 - 13:30



## LUNCH BREAK

### JUNE 20

### 12:00 - 13:30

Time for a delicious Lunch !  
Don't forget to network &  
find your new partners !  
Enjoy !



# Plant BioProTech & IOBC-IR 2024

## KEYNOTE SESSION 4

JUNE 20 | 13:30 - 14:30



## Regulations and Climate Change

### 13:30 - 14:00 A PRACTICAL APPROACH TO BIOSTIMULANT REGISTRATION UNDER EU REG. 2019/1009 (FPR)

Ferran Soldevila (Chairman) Sun chemicals services S. L., Spain  
CEO



### 14:00 - 14:30 UNLOCKING REGULATORY BOTTLENECKS: A BIOCONTROL TOOLBOX FOR CLIMATE RESILIENCE

Marisé Borja Syntech Research Group  
Global Regulatory Director at Syntech Research group  
Président of IBMA (Alliance Biocontrôle)





# Plant BioProTech & IOBC-IR 2024 INNOVATION AWARDS

JUNE 20 | 14:30 - 15:00



## INNOVATION AWARDS

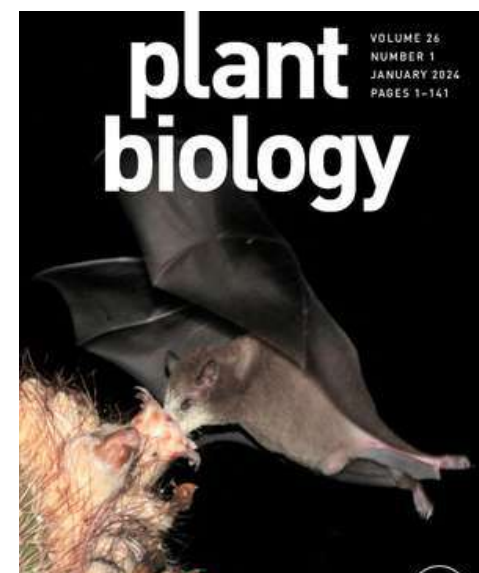
JUNE 20

14:30 - 15:00

Award ceremony for  
the best of the best  
innovations



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# Plant BioProTech & IOBC-IR 2024

## CLOSING CEREMONY

JUNE 20 | 15:00 - 15:30



## CLOSING CEREMONY

### JUNE 20

### 15:00 - 15:30

Thank you everyone for contributing to the success of this three day conference full with global insights & innovations in the world of plant biocontrol & bioprotection !

See you next time !

# Plant BioProTech & IOBC-IR 2024

## CLOSING CEREMONY

JUNE 20 | 15:00 - 15:30



**Ainhoa Martinez-Medina**

Institute of Natural Resources and  
Agribiology (CSIC), Spain

**CLOSING CEREMONY**

**15:00 - 15:30**

Thank you everyone for contributing to the success of this three day conference full with global insights & innovations in the world of plant biocontrol & bioprotection !

See you next time !