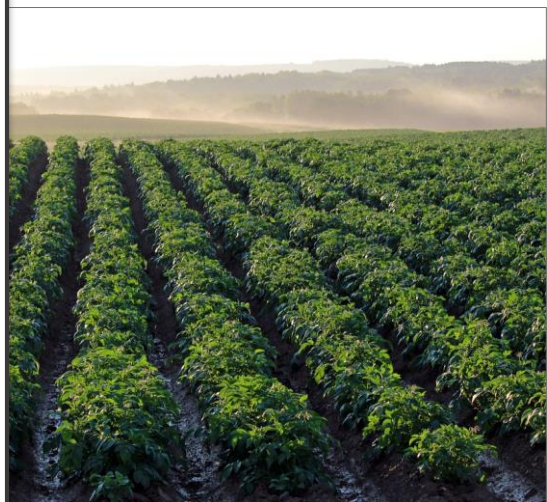




IOBC International Organization for Biological and Integrated Control (IOBC)
West Palearctic Regional Section (WPRS)
WPRS Organisation Internationale de Lutte Biologique et Intégrée (OILB)
Section Régionale Ouest Paléarctique (SROP)

16th Meeting of the IOBC-WPRS Working Group
Biological and Integrated Control of Plant Pathogens

Challenges in biocontrol: single strains versus synthetic consortia



14-17 September 2020, Gdansk, Poland

FIRST CIRCULAR

www.iobc-wprs-gdansk2020.pl



University of Gdansk
50th Anniversary



Wellcome note

Dear Colleagues,

In the recent years the restrictions in the use of chemicals, due to health and environmental concerns, as well as the nutritional requirements of the growing population led to a significant interest in the **application of biological control in agriculture**. There is an urge to deliver eco-friendly solutions to keep plant pathogens at bay, at the same time fulfilling the difficult task of increasing the yield and the quality of crops in the field and in storage.

Many knowledge gaps remain to be filled and many practical challenges tackled to reach this goal on a large scale. Therefore, we invite participants from both academia and industry to the **16th Meeting** of the **IOBC-WPRS Working Group Biological and Integrated Control of Plant Pathogens**, to be held in September 2020 in Gdansk, Poland, to exchange knowhow and inspiration.

The theme of this meeting is „**Challenges in biocontrol: single strains *versus* synthetic consortia**”. During the conference we plan to address the **important matters such as selection of biocontrol agents, their modes of actions and the lab-to-field transition, including formulation methods**. As a **theme specific to this event, we would like to discuss the application of multiple strains versus single organisms** in biological control, considering all benefits and difficulties associated with these approaches.

The meeting will be held in Gdansk (Poland), a picturesque city with over a 1000 years of history and a modern twist. We will keep you posted on the incoming details on the conference and we are looking forward to seeing you in Gdansk in 2020.

On behalf of the organizers

Conference Chairs

Robert Czajkowski
Sylwia Jafra
IFB UG&MUG, Gdansk,
Poland

Convenor

Jürgen Köhl
Wageningen University
& Research, Wageningen,
The Netherlands

Liaison Officer

Marc Bardin
INRA, Montfavet, France

Conference topics

We invite the participants to contribute to the conference. All contributions will be reviewed by the Scientific Committee for scientific content. Poster and oral presentations are eligible, however, only a limited number of abstracts will be selected for the oral presentations.

The topics we would like to address during the meeting include, although are not limited to:

1. The use of synthetic **microbial consortia** in plant protection vs the use of single strains
2. **Strategies to develop microbial-based products** for agriculture – from a plan to a product
3. **Successful agents** for biological and integrated control of plant diseases
4. **Mass production, formulation and the application** of biological control agents
5. **Legal and social issues** related to the use of microorganisms in agriculture
6. Cooperation between **industry and academia**
7. **Microbe-microbe and plant-microbe interactions** underlying biological control
8. Methods to study **complex interactions** and **ecological networks** in agriculture
9. The **future of biocontrol** – new ideas and concepts
10. **Ecotoxicology** assessment regarding humans and animals
11. Beyond cells – the use of **natural products to fight plant diseases**
12. Biocontrol of **emerging plant diseases**
13. What went wrong? **Factors affecting the effectiveness of biological control agents**

General information



University of Gdańsk
50th Anniversary

Venue

University of Gdansk
Faculty of Social Sciences
Jana Bazynskiego 4
80-309 Gdansk, Poland

Date

14-17 September 2020

Hosting Societies

International Organization for
Biological and Integrated Control
West Palearctic Regional
Section (IOBC-WPRS)



Conference organizer

Foundation for the Development
of the University of Gdansk (FRUG)
ul. Bazynskiego 1A, Gdansk 80-952
Tel. +48 58 523 33 63; Fax: +48 523 33 65
gdansk2020iobc@ug.edu.pl

Organizing committee

Intercollegiate Faculty of Biotechnology of University
of Gdansk and Medical University of Gdansk

Dr. Robert Czajkowski, Univ. Prof. (Chair)

Dr. Sylwia Jafra, Univ. Prof. (Chair)

Dr. Krzysztof Hinc, Assoc. Prof.

Dr. Dorota Krzyżanowska

Tomasz Maciąg, M.Sc.

Institute of Biotechnology and Molecular Medicine

Dr. Dawid Nidzworski

Dr. Sabina Żołędowska

Convenor

Dr. Jürgen Köhl

Wageningen University & Research,
Droevendaalsesteeg 1,
6708PB, Wageningen, The Netherlands

Homepage

www.iobc-wprs-gdansk2020.pl



Campus of the University of Gdansk

Venue
Faculty of Social Sciences, UG

Photo from the marketing archive of UG

About Gdansk

Gdansk is a city over 1000 years old and was a center of many important historical events. Combination of the historical heritage with its rapid development in the recent decades makes the city a wonderful place to experience. Gdansk has something for everybody to enjoy, no matter if one is looking for mysterious cafés in medieval settings, likes shopping in modern shopping centers or simply wants to take a walk with a sea view.

More information can be found at <https://visitgdansk.com/en>

Gdansk can be easily reached by plane through Lech Walesa Airport.



All pictures in the leaflet, apart from the Campus photo, are available under creative commons licence. Sources: wikimedia commons for the **Museum of the II World War** and pixbay.com for all other. This page: **the lion** (author Pablo Pablasty), the **Neptune Fountain with the Artus Court** in the background (Pawel Pacholec). Coat of arms of Gdańsk – Wikipedia. On the cover: **Gdańsk Old Town** (Bernd Hildebrandt) and potato field (Henry Gartley).