

WORKING GROUPS
**BIOLOGICAL CONTROL OF FUNGAL AND BACTERIAL PLANT
PATHOGENS**

**Climate change: challenge or threat to
biocontrol?**



Graz, Austria
7-10 June 2010
SECOND CIRCULAR

Registration and Accommodation
Call for abstracts

INVITATION

Following the meeting of the Phytopathogens WG in Interlaken, Switzerland, 9-12 September 2008, the upcoming meeting will be held in Graz, Austria. Gabriele Berg and her colleagues from Graz University of Technology will be in charge of the organization. Graz, a UNESCO world heritage, is the second-largest city of Austria and the capital of Styria in the pleasurable South of Austria. Styria extends at the South Eastern slopes of the Alps. The undulating landscapes in the vicinity of Graz form the enchanting scenery of the Styrian wine region. Graz can be reached conveniently from outside Austria.

The motto of workshop will be: “Climate change: challenge or threat to biocontrol?” We would like to stimulate discussions of this topic. Therefore we would welcome contributions with new results and innovative approaches in this context. We would also highlight work aimed at overcoming major practical constraints of biocontrol approaches, including basic research on interaction mechanisms.

The aim is to strengthen the communication between plant pathologists and experts in other disciplines about new and relevant problems of biocontrol. Therefore, significant amount of time will be dedicated to facilitate exchange of knowledge in the field of integrated disease and pest management.

According to figures at previous meetings we expect around 150 participants from many countries. The workshop will last 3 full days including professional and tourist excursions. More detailed information on the final program will be given in May. Conference language is English and both oral and poster presentations will be accepted. Following a good tradition, we will publish proceedings with short papers of the presentations in a forthcoming issue of the IOBC/WPRS Bulletin.

We look forward to welcome you in Graz, Austria.

Sincerely,

Ilaria Pertot and Gabriele Berg

IOBC/WPRS WORKING GROUPS:

BIOLOGICAL CONTROL OF FUNGAL AND BACTERIAL PLANT PATHOGENS

CONVENOR: **ILARIA PEROT**, Research and Innovation Centre, Fondazione Edmund Mach, S. Michele all'Adige, 38010, Italy; **email:** ilaria.pertot@iasma.it, Tel. ++39 0461 615515, Fax ++39 0461 615500

Former convenor: Yigal Elad, ARO, Israel

Meeting Organization

Co-chairpersons: G. Berg and I. Pertot

Organizing committee: G. Berg, M. Grube, M. Cardinale, H. Müller, C. Zachow, F. Schmid, M. Fürnkranz

Scientific Committee: G. Berg, M. Grube, M. Cardinale, H. Müller, C. Gessler, Y. Elad, I. Pertot

Scientific programme

The meeting will start in the evening of June 7th with an opening session and reception, followed by 3 days for scientific sessions and an excursion to Südsteiermark (chocolate and wine tasting, and a visit to a “Buschenschank”). We will have invited talks given by Linda Thomashow and David Weller (USA), Ben Lugtenberg (The Netherlands), Leo Eberl (Switzerland), Jana Lottmann (New Zealand), Matteo Lorito (Italy), Blanca Landa (Spain), Christian Kubicek (Austria) and Kornelia Smalla (Germany). Furthermore, talks on specific and open topics and poster presentations will be given. Ample time will be allotted for discussion. Papers for presentations will be published in the IOBC/WPRS Bulletin.

Getting to Graz

Graz is located about 200 km south of Vienna. Graz can be reached by flight and ground travel. The airport (Flughafen Graz-Thalerhof) is connected to the city centre by public transfer (c. 20 min). You can find [here](#) the updated list of direct flight connections to and from Graz. An alternative is to fly to the larger Vienna International Airport, which has more direct connections. From the airport of Vienna you proceed to railway station “Wien Südbahnhof”, ideally by bus (c. 20 min; from 6:00 to 20:00 every 20 min., from 20:00 to 24:00 every 30 min.; see [schedule](#); one way = €6.00). Trains to Graz leave from Wien Südbahnhof every hour. The travel (c. 2.5 hours) costs c. €40.00.

Finding the scientific venue

The XI IOBC meeting will be held in the venues of the historical building of the Graz University of Technology, known as “Alte Technische Universität”; Address: Graz University of Technology, [Rechbauerstraße 12, 8010 Graz](#).

Accommodation in Graz

The participants of the IOBC meeting are asked to take responsibility for their own accommodation. You may use these links for on-line booking: <http://cms.graztourismus.at/cms/ziel/1330304/EN/> or <http://www.booking.com/city/at/graz.html> or <http://www.graz.net/>.

The following hotels are located in the vicinity of the IOBC workshop:

Name	Category	Prize	Walking distance from congress venue	Website
Romantik Parkhotel	**** superior	110-128 €	c. 5 min	website
Gollner	****	68-89 €	c. 5 min	website
Zum Dom	****	75-115 €	c. 15 min	website
Mercure Messe	****	75 €	c. 10 min	website
Gasthof Johannes	**	35-50 €	c.10 min	+43-316 707766

Special prices or offers are available for IOBC meeting participants.

Climate in Graz

Graz has a mild continental to submediterranean climate. The weather in June is usually sunny and day temperatures are around 20-25 °C, with possibility of afternoon thunderstorms. A long-term weather forecast for the city of Graz is available [here](#).

For more information about Graz, visit <http://cms.graztourismus.at/cms/ziel/1203782/EN> (German, English, Italian and Japanese), <http://graz.at/EN> (German and English) and <http://www.graz.net/> (German only).

Registration Fees

	Dead line	Student [†]	Regular
Early registration IOBC members* – Meeting package**	01.03. 2010	250 €	350 €
Late registration IOBC members* – Meeting package**		350 €	450 €
Early registration registration non members – Meeting package**	01.03. 2010	300 €	400 €
Late registration registration non members – Meeting package**		400 €	500 €
Accompanying persons – Excursion, Meeting dinner			200 €

[†] A student card or certificate is required.

Some financial assistance will be available for students. If you are a student or a young post-doc (less than 2 years from PhD), please send the abstract that you are will submit and a CV (compulsory: age, education, date of PhD, current activities, list of publication). Note that you need to submit an abstract in order to qualify for the assistance. We regret that only a proportion of the students may be assisted.

* Individual membership or employee of Institutions with Institutional or supporting membership ([IOBC membership info](#)). If you are not an individual member then you may check if your institute is a member in IOBC WPRS at 2009 or 2010. In case it is, please detail the exact name of the institute that is a member or supporting member

** Meeting package (both student and regular) comprises participation in sessions plus tea/coffee and snacks during breaks, excursion (including meals), lunch meals or lunch bag, Conference dinner, Farewell barbecue as well the book of abstracts and program.

Accompanying person payment includes the get-together, Excursions, and Meeting Gala Dinner (it does not include participation in the sessions, book of abstracts, tea/coffee breaks and meeting lunch meals).

PAYMENT

Payment of fees will be accepted as **cheques or money transfer**. Fees payments are accepted only in €

Make payment to Bank Austria

For Austria: Account-No. 51656 101 846; BLZ 12000

From Outside: IBAN AT45 1200 0516 5610 1846

BIC BKAUATWW

Reference: IOBC 2010 + Name

NOTE: Bank charges must be paid by you: the full amount of registration must be deposited in this account.

Previous meetings of the phytopathogens working group:

- I- New Approaches in Biological Control of Soil-borne Diseases, Copenhagen, July, 1991.
- II- Biological Control of Foliar and Post-Harvest Diseases, Wageningen, The Netherlands, Dec., 1992.
- III- Biocontrol of Sclerotium-Forming Pathogens, Wellesbourne, UK, Dec., 1994.
- IV- Biological and Integrated Control of Root Diseases in Soilless Cultures, Dijon, France, Sept., 1995.
- V- Role of Molecular Methods in Disease Control, Belemont Zurich, Switzerland, 1996.
- Session on Biocontrol of Plant Diseases, 7th ICPP Congress, Edinburgh, August 1998.
- VI. Biocontrol agents: modes of action and integration with other means of control, Sevilla, Spain, Nov.-Dec.2000.
- VII. Influence of a-biotic and biotic factors on biocontrol agents, Kusadasi, Turkey, May 2002.
- VIII. Management of plant diseases and arthropod pests by BCAs and their integration in agricultural systems, S. Michele all'Adige, Italy, Jun. 2004.
- IX. Fundamental and practical approaches to increase biocontrol efficacy, Spa, Belgium, Sept. 2006.
- X. Molecular Tools for Understanding and Improving Biocontrol, Interlaken, Switzerland, Sept. 2008.

TOPICS TO BE DISCUSSED AND PRESENTED IN THE MEETING:

- i.* Climate change, biocontrol and integrated plant disease management: impact, adaptation, negative and positive side effects on biocontrol.
- ii.* Effect of climatic factors on disease development and biocontrol.
- iii.* Molecular tools to study microbial populations in different environments, crops and climate.
- iv.* Climatic stress and biocontrol.
- v.* Case studies of adaptation to climate change in biocontrol: successes and problems encountered.
- vi.* Biocontrol and integrated disease management in different environments.
- vii.* Integration of microbials and other adaptation tools.
- viii.* Commercial use of microbials for management of diseases - present situation and prospects in a view of climate change, including new/near registration products.
- ix.* Application of natural substances/microbials against diseases in different environments and climate.
- x.* Effect of stress on host plant resistance (including induced resistance).
- xi.* Biocontrol and climate – all aspects.
- xii.* New bio-resources for biocontrol.
- xiii.* Mechanisms and signalling in biocontrol.
- xiv.* Way to commercialization: mass production, formulation methods and risk assessment.
- xv.* All aspects of biocontrol.

PRELIMINARY PROGRAM (may be changed)

Monday	07.6.2010	Afternoon	Arrival, registration and opening (17:00) of the meeting
Tuesday	08.6.2010	9.00-18.00	Presentations and Conference Dinner (20:00 - 24:00)
Wednesday	09.6.2010	9.00-18.00	Presentations and Excursion (14:00 – 20:00)
Thursday	10.6.2010	9.00-17.00	Presentations and Farewell Barbecue at the institute
Friday	11.6.2010		Departure

MEETING WEB PAGE

All this information and more on <http://www.iobc-wprs.org/>

IMPORTANT DATES

Deadline for submission of abstracts	1 March 2010
Deadline of payment of meeting registration fee at "early rate"	1 March 2010
[Notification of receiving of abstracts and registration and mode of presentation (oral/poster) will be sent.]	
Final programme	15 May 2010
Cancellations fully refunded	15 May 2010
The presenting authors of the abstracts should be registered and should have paid, if they want to be considered	

Abstract Preparation

Abstracts should be submitted in English and should be delivered camera-ready. The content of the abstract should be clear, concise and have been **revised by an experienced English speaker**. It should contain a short introduction, objectives, methods, results and conclusions. Some of the sections may be omitted if they are not relevant. The abstract must be submitted as an attached file. It should be prepared as a **Microsoft Word file (.doc)**, or as a rich text format file (.rtf). The abstract should not exceed 2000 characters with spaces, and includes: title, authors with presenter underlined, one e-mail address according the style below, affiliation and addresses, body of the text. Abstracts should be sent to: **iobc@tugraz.at**

Last date of arrival of abstracts is 1 March 2010.

Acknowledgement of abstract acceptance will be emailed to the presenting author.

Abstract format:

Paper format: A-4; Line spacing: 1

Margins: Left and right margins - 2.5 cm, upper margin – 3.0 cm; lower margin – 2.5 cm. This results in printing area of 16.0x23.7 cm.

Font: "Times New Roman" or "Times" [Title 15 pt bold, authors (presenting author underlined) 12 pt bold; address(es) one E-mail address and fax 12 pt italics, running text 12 pt]

All lines should be flushed left. No hyphenation in the text, Line space before and after the authors' line(s) and after the addresses. No longer than one page in total. No references in the abstracts.

Please follow the instructions. **We regret that we will have to send abstracts back to the authors for corrections if they have not been prepared according to the instructions.** The right style is given in the following example:

Establishment, survival and activity of biocontrol agents applied as a mixture in strawberry crops

Ruth Guetsky^{1,2}, Dani Shtienberg², Yigal Elad², Amos Dinor¹

¹*Department of Plant Pathology and Microbiology, The Hebrew University of Jerusalem, Faculty of Agricultural, Food and Environmental Quality Sciences, Rehovot, Israel, e-mail: Guetski@agri.huji.ac.il;* ²*Department of Plant Pathology, ARO, The Volcani Center, Bet Dagan 50250; Israel, email: elady@volcani.agri.gov.il*

Biocontrol of *Botrytis cinerea* by a mixture of a yeast (*Pichia guillermondii*) and one of two bacterial isolates (*Bacillus mycooides*) was followed during three years of commercial-like greenhouse experiments. Establishment and survival of the yeast and the two bacterial populations on strawberry leaflets and fruitlets were recorded in two experiments. Populations of the bacteria did not differ significantly in separate applications as compared to those in a mixture with the yeast. Similar results were obtained for the yeast. Moreover, in three out of 27 comparisons the yeast populations in the mixture were significantly higher than when applied alone.

Application of the mixture resulted in significant disease reduction as compared to the control treatments. In one experiment, the biocontrol agents applied alone, reduced the number of diseased fruits by 50% whereas their mixture resulted in 75% reduction and additive disease control. In a second experiment, the mixture between the same yeast isolate and another bacterial isolate resulted in synergistic disease suppression as compared with their separate application.

Mark the topic:

1. **(CLIMATE)** Climate change, biocontrol and integrated plant disease management: impact, adaptation, negative and positive side effects on biocontrol. Effect of climatic factors on disease development and biocontrol. Climatic stress and biocontrol. Case studies of adaptation to climate change in biocontrol: successes and problems encountered. Biocontrol and climate – all aspects.
2. **(NEWS)** New bio-resources for biocontrol and other targets of screening methods.
3. **(MOLECULAR)** Molecular tools to study microbial populations in different environments, crops and climate. Mechanisms and signalling in biocontrol. Effect stress on host plant resistance (including induced resistance).
4. **(BIO-IPM)** Biocontrol and integrated disease management in different environments. Integration of microbials and other adaptation tools.
5. **(COM)** Commercial use of microbials for management of diseases - present situation and prospects in a view of climate change, including new/near registration products. Application of natural substances/microbials against diseases in different environments and climate. Way to commercialization: mass production, formulation methods and risk assessment.
6. **(OTHER)** Other aspects of biocontrol not covered by the previous topics.

Please post this circular and pass it on to your colleagues.

For further information related to the IOBC 2010 Graz Biocontrol Workshop:

Prof. Dr. rer. nat. Gabriele Berg
Graz University of Technology
Institute of Environmental Biotechnology
Petersgasse 12
A-8010 Graz, AUSTRIA
phone +43 (0) 316 873 8310; fax +43 (0) 316 873 8819
Email: iobc@tugraz.at

REGISTRATION FORM

Dr./Mr./Ms./Mrs.: _____ First/Last Name: _____

Organization: _____

Address: _____

Email: _____

Phone: _____

Fax: _____

Registration fee transferred to bank (DATE _____)

IOBC Member __ Non Member __ or Student __ (attach scanned PDF copy of student-card)

Presentation (Yes ___) or (No ___)

Preference (TALK___) or (POSTER___)

Return to:

fax +43 316 873 8819

email: iobc@tugraz.at

ATTACH abstract as MS Word file