



IOBC Global

International Organization
for Biological Control



IOBC Newsletter Issue 94, December 2013

IOBC is affiliated with the International Council of Scientific Unions (ICSU) as the Section of Biological Control of the International Union of Biological Sciences (IUBS)

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Message from the President:

Once again, this has been a busy six months. There were several IOBC and IOBC-related meetings that have taken place over this period (details are given elsewhere in the newsletter), but I would especially like to mention the contribution of vice-president Dr. Jianqing Ding, who gave a keynote address at the Invasive Species Congress in Qingdao, China in October.

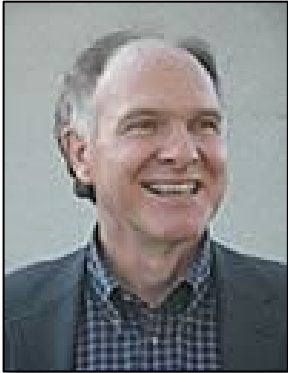


Dr. Franz Bigler and I both presented invited talks at the South Asia Biosafety Conference in New Delhi, India in September. Franz spoke on “Genetically modified crops and integrated pest management” and my talk was entitled “Lessons learned from risk assessment of biological control organisms”. Both presentations are available at:

[http://cera-gmc.org/index.php?action=era_conference_\(new_delhi_2013\)](http://cera-gmc.org/index.php?action=era_conference_(new_delhi_2013))

The General Assembly of the IOBC-WPSR took place at Agroscope Reckenholz in Zurich, Switzerland from 23-25 October 2013. At that meeting it was announced that at the end of the year Dr. Franz Bigler will finish an 8-year term as President.

continued on next page....

Message from the President (continued)

I would like to take this opportunity to acknowledge the enormous contribution that Franz has made to the regional section, and to IOBC Global in general. Franz has worked tirelessly with his colleagues to keep IOBC, biological control and IPM in the forefront of the minds of regulators, industry, and international agencies. The Western Palearctic Regional Section (WPRS) under Franz's leadership has achieved a great deal, including raising IOBC visibility at conferences and workshops; engagement with EU, FAO and OECD meetings and seminars on biological control and IPM; and an FAO-funded report from the Commission on Genetic Resources in Biological Control. Franz's contribution to IOBC goes back much further than the last 8 years. He served the Global IOBC as convener of the Working Group "Quality Control of Mass-Reared Insects" (1989-1992). From 1993-1996 he was Secretary-General of IOBC Global. From 2003-2005 he chaired the new IOBC/WPRS Commission on "Harmonized Regulation of Invertebrate Biological Control Agents." Since 2005 he's been President of IOBC/WPRS, and a Council member of IOBC Global. I am sure all members of IOBC from all sections would like to join with me in thanking Franz for giving so much of his time and energy to IOBC, and I hope that we will continue to benefit from his enormous experience in the future.

New Regional Section Officers:

As a result of recent elections at IOBC Regional General Assemblies, several regions (Western Palearctic Regional Section and Eastern Palearctic Regional Section) have new slates of officers on their governing board or council. Full contact details for new these officers are available on page 10 of this newsletter. Note also that elections will soon be held for new officers of the Asia-Pacific Regional Section; and we continue to seek interested volunteers to help organize the Afro-tropical Regional Section.



IOBC Travel Grants:

IOBC - Global is proud to support the attendance of young scientists' at biological control meetings, conferences, and symposia - in order to enhance their professional development and facilitate collaboration, communication and networking among emerging scholars in our field.

To qualify for IOBC support, applicants must be:

- current members in good standing in a regional section of IOBC *
- less than 35 years of age
- attending a conference relevant to biological control **
- presenting an oral paper or poster on their own research relevant to biocontrol

* If a young scientist is not a current IOBC member, he or she must join IOBC and pay dues in advance for a period of two years in order to become eligible.

** Preference will be given first to IOBC-Global Working Group meetings, then to international meetings in which there are IOBC-sponsored symposia, and lastly to other scientific meetings that have a strong biocontrol focus. The number of applicants supported will be determined by the status of the organization's finances, as evaluated by the Treasurer and the Executive Committee.

Grants are limited to a maximum of 500 Euros per person [*subject to change...*]

To apply for an IOBC travel grant, contact the Convener of the Meeting.



Writing Partnership:

Non-native English speakers sometimes need help preparing scientific articles for publication in English language journals. IOBC Global has established a pool of volunteers to help review and edit articles for young scientists and those who cannot afford to pay for professional services. IOBC editing will not focus on scientific content, but rather on English language use and clarity.

To qualify for IOBC editing, applicants must be:

- less than 35 years of age
- from a non-English speaking country
- from a developing economy that cannot afford professional editing services

If you would like to have an article reviewed, contact Dr. Russell Messing (messing@hawaii.edu).

News from the IOBC Neo-Tropical Regional Section (NTRS):

Thanks to the leadership and determination of Prof. Maria M. Manzano (CIAT, Cali, Colombia), President of IOBC-NTRS, there is a new model for membership in the Neo-Tropical Regional Section that promises to expand the membership of IOBC and enhance interactions among biological control specialists and other entomologists throughout Latin America.



The NTRS was created in 1989 by researchers from Latin American and other regions interested in working on the development of biological control of arthropod pests and weeds. Annual activities (symposia, courses, meetings) are published in a bulletin that may be viewed at <http://www.iobcntrs.org>. There is currently a Regional Working Group on Neotropical Parasitoids, with more than 40 Latin American researchers, coordinated by Dr. Marcus Vinicius Sampaio from Brazil.

One strategy to achieve fuller integration of the biological control and entomology communities is to take advantage of the connections that currently exist through local Entomological Societies. Thus, Maria proposed that members of the Columbian Society of Entomology (SOCOLEN), and other Latin American Entomology Societies become members of IOBC-NTRS as well.



An IOBC-NTRS member pays an annual fee of US \$20, and it was proposed that members of a Latin American entomology society would pay an annual fee as follows:

- for societies with less than 400 members - US \$250
- for societies with 400-600 members - US \$500
- for societies with more than 600 members - US \$750

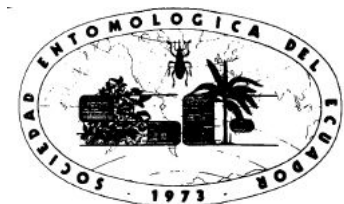
In general terms it means that IOBC-NTRS membership would cost about one dollar per member per year.



The first positive response came from Professor Pedro Neves, President of the Entomological Society of Brazil (SEB). This is one of the largest entomological societies in Latin America, which sponsors its own journal, Neotropical Entomology (www.scielo.br/revistas/ne/iaboutj.htm).



While a few bureaucratic hurdles remain to be navigated, there is great interest in seeing how this experiment in expanded membership works out in the near future.





IOBC Vice-President Jianqing Ding (from the Invasion Biology and Biocontrol Lab, Wuhan Botanical Garden, Chinese Academy of Sciences) attended the **2nd International Congress on Biological Invasions** at Qingdao, China in October 2013. He presented a talk titled "Biological control of invasive plants: challenges and opportunities" in a session on "Biocontrol, Genetic Management and Ecological Manipulation of Invasive Alien Species." He also introduced the audience to IOBC missions, regional working structures, working groups and the executive committee, as well as the organization's role in dealing with invasive species globally.



A copy of Jianqing's Powerpoint presentation is available from the IOBC Global Website: http://www.iobc-global.org/news_presentation_Ding.html

The **13th workshop of the IOBC Global WG on Mass Rearing & Quality Assurance (MRQA)** was held in Bangalore, India in November 2013, under the theme: "Emerging opportunities for the mass production and quality assurance of invertebrates." It was a joint meeting of IOBC-MRQA, the Indian Council of Agricultural Research (ICAR), the Society for Biocontrol Advancement of India (SBA) and the International Biocontrol Manufacturers Association (IBMA), and was hosted by the National Bureau of Agriculturally Important Insects (NBAIL – ICAR).

Some 75 delegates from 10 countries participated in the event. The objectives were to address the concept of quality and protocols of quality assessment, production of invertebrates for biological control and other emerging applications, and societal and legal issues associated with mass rearing and use of invertebrates for IPM. Four symposia, 32 oral presentations and 16 posters addressed different aspects of arthropod and nematode rearing as it relates to quality assurance:

1. Development and validation of protocols for invertebrate mass rearing and quality assurance.
2. Mass rearing invertebrates for management of arthropod pests, veterinary and medical applications, and production of microbial biocontrol agents.
3. Biocontrol in high value and export crops and new emerging markets.
4. Legal and ethical issues associated with mass rearing invertebrates.

Discussions were aimed at expanding awareness of the variety of applications and methods that utilize mass rearing of invertebrates, and improving collaboration among scientists, practitioners and regulators. Particular attention was given to technical and socio-economic challenges faced by emerging economies in Asia and elsewhere.

To view pdf-files of presentations and posters, see: <http://www.nbaii.res.in/iobc.html>



The 12th International Symposium on “**Ecology of Aphidophaga**” was held in Belgrade, Serbia from 9-13 September, 2013. This series of meetings, now held every 3 years, was founded in 1965 by Dr. Ivo Hodek of the (current) Czech Republic. Overall organization of the meeting was superb, thanks to the efforts of the local Serbian Organizing Committee (led by Željko Tomanović) and the International Steering Committee (headed by J-P. Michaud). Approximately 60 participants from 25 countries presented about 30 oral papers and 30 posters. Four European students and 3 international students were supported by IOBC travel grants to attend the meeting



After an opening ceremony in the Great Hall of the Serbian Academy of Sciences and Arts, the venue for all remaining scientific sessions was The Hotel Palace in the center of the city. There were symposia on Community Structure, Coccinellid Ecology, Parasitoids, and Pest Management. Invited (plenary) speakers included Helmut van Emden, Christophe Vorburger, Vezna Gagic, Velemir Ninkovic, Pavel Kindlmann, Tony Dixon, Naoya Osawa, J.P. Michaud and Nickolas Kavallieratos.



A highlight of the meeting was the honoring of Dr. Helmut van Emden, Professor Emeritus of Horticulture at the University of Reading, who was recognized for his many contributions in the field of aphidophaga research. He was one of only two participants who have attended this WG's meetings since its inception in 1965. Dr. van Emden was not only presented with a commemorative certificate, he was further acknowledged by dedication of the entire meeting in his honor, and also by getting the best seat in the house for traditional Serbian dancing...

There was a full quota of social events to complement the academic rigor of the scientific sessions. A welcome reception with cocktails and canapés by the light of flaming torches was held at the University botanic garden, followed by a tour of the Japanese Garden. There was a guided tour of the Belgrade Fortress; dinner on a river cruise along the Sava River and the Danube; a visit to the nature reserve Zazavica and to Sremski Karlovci (the spiritual, cultural and educational center of Serbia for > 200 years); and further visits to a winery, a Bee Museum, and of course much good food, music and dancing.

The next meeting of the IOBC Working Group **Ecology of Aphidophaga** will be held in Munich, Germany in 2016, hosted by Wolfgang Weisser [email: Wolfgang.Weisser@uni-jena.de].

IOBC-WPRS General Assembly, Zurich, Switzerland, 23-25 October 2013

The IOBC-WPRS General Assembly met at Agroscope Reckenholz in Zurich, Switzerland in October 2013. Around 30 IOBC-WPRS members and officers attended the meeting.

To get an overview of the meeting, and working group reports, see: <http://www.iobc-wprs.org/events/archives.html> and follow the General Assembly link to [Program and Presentations](#).



To subscribe to a new e-Newsletter from WPRS, see: http://www.iobcwprs.org/newsletter_subscribe.html

BioControl, the official journal of IOBC, presents original papers on basic and applied research in all aspects of biological control of invertebrate, vertebrate and weed pests, and plant diseases.

Recent Articles:

Effects of surrounding landscape on parasitism of alfalfa aphids in an IPM crop system in northern Catalonia.

Xavier Pons, Belén Lumbierres, Jordi Comas, Filipe Madeira, Petr Stary (December 2013)

Ants defend coffee from berry borer colonization.

David J. Gonthier, Katherine K. Ennis, Stacy M. Philpott, John Vandermeer, Ivette Perfecto (December 2013)

Inter- and intra-specific host discrimination in gregarious and solitary endoparasitoid wasps.

Peter M. Magdaraog, Toshiharu Tanaka, Jeffrey A. Harvey (December 2013)



58 Volumes; 253 Issues; 2,982 Articles
available from **1956 - 2013**

Prior to Volume 43 (1998), this journal was published as *Entomophaga*



<http://link.springer.com/journal/10526>



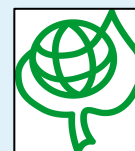
2012 Impact Factor – 2.215

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**The joint Second IOBC Working Group Meeting on *Parthenium*
International Workshop on Biological Control and Management of *Parthenium***

The joint Second IOBC Working Group Meeting and International Workshop on Biological Control and Management of *Parthenium*, sponsored by the IPM Innovation Lab and the International Association for Plant Protection Services, will be held in Addis Ababa, Ethiopia, on July 13-17, 2014. It will include presentations on distribution, ecology, allelopathy, crop loss, impacts on environment and health, cultural controls, chemical control, biological control and integrated pest management of *Parthenium*.

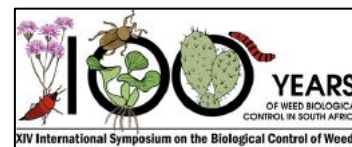


There will be a field trip to participate in the release of the beetle *Zygotogramma bicolorata* (and possibly *Listronotus setosipennis*).

For details contact: R. Muniappan: rmuni@vt.edu

The **XIVth International Symposium on Biological Control of Weeds** will be held March 2-7, 2014 at Kruger National Park, South Africa.

For details: <http://www.isbcw2014.uct.ac.za>



The International Society of Hymenopterists will host the **8th International Congress of Hymenopterists** in Cusco, Peru from July 20-25, 2014.

see: <http://hymenopterists.blogspot.com/2013/11/8th-international-congress->

The **25th International Working Group on *Ostrinia*** (IOBC-Global) Conference & 4th International Conference of *Diabrotica* Genetics & Open Meeting of NC205/ NCCC46 Corn Insect Technical Committees will take place in Chicago, U.S.A. 14-17 April, 2014.

This conference is the continuation of a series of international meetings on *Ostrinia* and other maize pests that began in 1968. IWGO is a well-established large international working group, which deals today with all matters of maize pests and pest resistance. The 25th IWGO Conference will deal with all maize insect pests, not only *Diabrotica*.

For more information:

<http://www.iwgo.org/Chicago2014/>

contact: Dr. Ulrich Kuhlmann:

u.kuhlmann@cabi.org



The IOBC-WPRS Working Group "**Landscape Management for Functional Biodiversity**" will meet May 21-23, 2014 in Poznan, Poland. An announcement is available at: http://www.iobc-wprs.org/events/20140521_2nd_Announcement_Poznan_2014_IOBC_WG%20Landscape_Management.pdf

For more information on upcoming meetings, see: <http://www.iobc-wprs.org/events/index.html>
and <http://www.iobcnrs.com/index.php/events-calendar>

Fairyflies (Hymenoptera: Chalcidoidea: Mymaridae) are economically important as egg parasitoids of Hemiptera and other taxa of insects. The new website “Indian Genera of Mymaridae” features a LucID Phoenix interactive dichotomous and illustrated key and fact sheets to all known Indian genera of Mymaridae, to facilitate easy identification. Work was done under the Network Project on Insect Biosystematics funded by the Indian Council of Agricultural Research, New Delhi. Check out the website and its excellent photographs at:

<http://www.nbaii.res.in/IndianMymaridae/index.php>




Erratum: In the previous issue (No. 93) of the IOBC Newsletter, we reviewed some multi-state, **regional biological control research and education groups** within the United States. Inadvertently, we forgot to include one important group in the American Midwest: NCERA 220 – Biological Control of Arthropods and Weeds.

Matt Grieshop is the current chair; Dr. Deborah Finke is secretary; and Steve Yaninek serves as the administrative advisor.



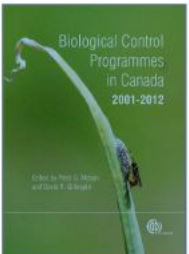
For more information: <http://nimss.umd.edu/homepages/home.cfm?trackID=12996>

new from CABI 

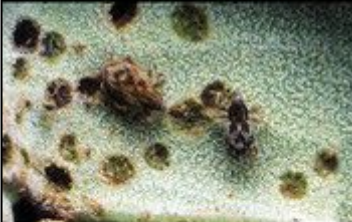
Biological Control Programmes in Canada 2001–2012

Edited by **Peter G Mason** and **David R Gillespie**, both Agriculture and Agri-Food Canada

Key case studies detailing biological control in Canada



Biological Control of Tropical Weeds using Arthropods



EDITED BY
Rangaswamy Muniappan
Gadi V. P. Reddy
Anantanarayanan Raman

CAMBRIDGE

Biological Control of Insect Pests Using Egg Parasitoids

Sithanantham, S.; Ballal, C.R.; Jalali, S.K.; Bakthavatsalam, N. (Eds.)
2013, XVIII, 424 p. 18 illus.

Available Formats:

Free Preview



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Neo-tropical Regional Section (NTRS) <http://ntrs.iobc.info/espanol/publications.htm>

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Secretary General	Eduard Sadomov, Moscow, Russia

Afro-tropical Regional Section (ATRS)

IOBC Global is seeking individuals with interest and expertise in biocontrol to help re-establish the ATRS.

If you would like to serve, please contact:

Dr. Barbara Barratt [barbara.barratt@agresearch.co.nz]



Mass Rearing and Quality Assurance

Contacts: Dr. P. De Clercq, BELGIUM: Patrick.DeClercq@ugent.be

Dr. T. Coudron, USA: coudront@missouri.edu

www.amrqc.org



Ecology of Aphidophaga

Contacts: J. P. Michaud, USA (chair): jpmi@ksu.edu, Kris Giles (USA),

Nick Kavallieratos, GREECE; Carlo Ricci, ITALY; Wolfgang Weisser, GERMANY

www.aphidophaga.org



Biological Control of *Chromolaena odorata* (Siam Weed)

Contact: Dr. Costas Zachariades, SOUTH AFRICA: ZachariadesC@arc.agric.za

<http://www.arc.agric.za/home.asp?pid=5229>



Biological Control of Diamondback Moth & other Crucifer Insects

Contact: Dr. Tony Shelton, USA: ams5@cornell.edu

<http://web.entomology.cornell.edu/shelton/diamondback-moth/>



Benefits and Risks Associated with Exotic Biological Control Agents

Contacts: Dr. Peter Mason, CANADA: masonp@agr.gc.ca

Dr. George Heimpel, USA: heimp001@umn.edu



Biocontrol of *Ostrinia* and Other Maize Pests

Contacts: Dr. Ulli Kuhlmann, SWITZERLAND: u.kuhlmann@cabi.org

Dr. Tom Sappington, USA: tsapping@iastate.edu

Dr. Wang Zhenying, China: zywang@ippcaas.cn

www.iwgo.org



Biological Control and Management of Parthenium Weed

Contacts: Kunjithapatham Dhileepan, AUSTRALIA:

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Rangaswamy Muniappan, USA: ipm-dir@vt.edu or rmuni@vt.edu



Commission on Biological Control and Access and Benefit Sharing

Contact: Prof. dr. Jacques Brodeur, CANADA: jacques.brodeur@umontreal.ca

www.iobc-global.org/download/659ABSinBiCoAddMat2009.pdf



Join an IOBC International Working Group.... or propose a new one!

Working groups can operate on the global level, or within a regional section...

Join IOBC...

Membership in IOBC is open to all individuals and all organizations, public or private, who desire to promote the objectives of biological control. There are four categories of membership:

- Individual Membership is open to all individuals engaged or interested in biological control.
- Institutional Membership is open to any institution, including government departments, academies of science, universities, institutes and societies participating in biocontrol activities.
- Supporting Membership is open to any person or institution interested in promoting the objectives of the Organization.
- Honorary Membership may be conferred by the Council to anyone who has made outstanding contributions to biological control.

For more information and application forms:

<http://www.iobc-global.org/member.html>



International Organization for Biological Control

Issue 94, December 2013

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