



IAPPS NEWSLETTER

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WECOMING PROF FOURIE ON THE IAPPS GOVERNING BOARD



The IAPPS Executive Committee has selected Prof. Hendrika (Driekie) Fourie to fill the newly created **Region VI, Southern Africa Coordinator position on the IAPPS Governing Board**. Dr. Fourie is currently Associate Professor at the North-West University, (NWU) Potchefstroom, South Africa.

She graduated from NWU in 1989 (BSc), where she also obtained an MSc in 1998. By 2005 she earned her PhD in Nematology from the Catholic University of Leuven, Belgium, working on the *in vivo* evaluation of resistance to *Meloidogyne incognita* race 2 and identification of genetic markers for this trait in soybean. By this

occasion, her dissertation was awarded best PhD thesis for 2005 by the Protein Research Fund.

Her responsibilities include both research and teaching, being responsible for teaching nematology in several post graduate modules as well as supervision of post graduate students at Honours, MSc and PhD level. Her research focus is on applied ecological research with regard to nematodes in agro-ecosystems. Principle research responsibilities include development of nematode management strategies on crops such as potato, maize, soybean and vegetables. This research has an interdisciplinary approach whereby disciplines such as plant and animal biodiversity botany and zoology are integrated in research projects. Research functions include basic studies addressing the ecology and pathogenicity of economically important nematode species and research on control mechanisms such as host plant resistance and integrated management strategies.

Dr. Fourie has published 15 scientific publications, contributed to talks and poster presentations at 72 local and 27 international congress/symposia, acted as Project Leader and Co-Leader for 11 and four projects, respectively, acted as promoter of five MSc-students who successfully finalized their studies, currently acts as study leader for 4 Honours, one MSc student and one PhD student.

In 2006 she was awarded the ARC-Grain Crop Institute's "Best Performing Scientist", (ARC-GCI, Potchefstroom, South Africa); in 2007 she was nominated "Agriculturalist of the Year for North West Province" by Agricultural Writers, SA; and in 2009 she was awarded the prestigious Bayer CropScience Trophy "for the advancement of Nematology in Southern Africa", received during 19th NSSA Symposium, Casa Do Sol, Hazyview.

Please join me in welcoming Driekie on the Governing Board of IAPPS.
She can be reached at Driekie.Fourie@nwu.ac.za

Prof. E.A. "Short" Heinrichs

IAPPS Secretary General

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BIODIVERSITY AND INTEGRATED PEST MANAGEMENT: WORKING TOGETHER FOR A SUSTAINABLE FUTURE



IPM CRSP

Integrated Pest Management
Collaborative Research Support Program

The Integrated Pest Management – Collaborative Research Support Program (IPM-CRSP), in collaboration with the Sustainable Agriculture and Natural Resource Management Collaborative Research Support

Program (SANREM CRSP), (both supported by USAID), Sam Ratulangi University, Manado, North Sulawesi, and IAPPS, will be holding a conference on '**Biodiversity and integrated pest management: working together for a sustainable future**' in Manado, North Sulawesi, Indonesia, July 4–5, 2013. The conference will be followed by field trips on July 6–7, 2013.

Balancing biodiversity preservation with food production presents a challenge. If we are to survive as a species, food production is paramount. But the gradual destruction of forests, watersheds, and other natural habitats in order to produce that food could lead to the eventual demise of our natural resource wealth. Integrated Pest Management (IPM), an ecological approach to suppressing pest species, employs tactics that cause the least ecological disruption. There is a need and urgency for proponents of IPM and biodiversity to work together, but they have rarely been considered as partners for a sustainable future. This conference aims to bridge this divide by bringing together these two key groups.

To work toward these goals of biodiversity preservation and food production, scientists, educators, NGOs, government officials, extension agents, and key farmer groups are invited to participate in conference activities. While the major focus will be about biodiversity and IPM in developing countries, many of the guiding principles can be applied to the developed world as well.

Farmers who practice IPM promote biodiversity on a day to day basis, and their participation is

critical to the conference's success. Farmer Field Schools (FFS) have been the core of developing country IPM, as they emphasize an ecological approach to sustainable food production. FFS have a critical need for developing more field exercises that allow farmers to understand the importance of IPM in supporting biodiversity for a sustainable future.



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North Sulawesi, Indonesia, the conference site, has long been appreciated for its great biodiversity, so it is fitting that a conference on biodiversity and IPM be held here. Alfred Wallace, the famed 19th century British naturalist, spent considerable time in this region, collecting various kinds of insects and birds throughout the island of Sulawesi. Many of his ideas on evolution and natural selection, which paralleled those of Charles Darwin, were crystallized from his observations of high

speciation in this area.

Scientists from myriad fields, including vertebrate and invertebrate ecology, botany, and agri-forestry, as well as by specialists in various aspects of IPM, will be invited to present. Possible topics include: pest management tactics that eliminate, reduce, or suppress pests (insects, plant pathogens, and weeds); reduced reliance on synthetic chemical fertilizers via composting; use of biological materials such as vesicular arbuscular mycorrhiza (VAM) and Trichoderma; biological control and host plant resistance; and other IPM tactics.

This conference is currently in the planning stages. If you would like further information, please contact the conference organizers:

Merle Shepard (mshprd@clermson.edu),
Dantje Sembel (sembeldt@yahoo.co.id), or
R. Muniappan (rmuni@vt.edu).

More information and a call for papers will be posted on the IPM CRSP website as conference details are finalized:

<http://www.oired.vt.edu/ipmcersp/Publications/Meetings&Workshops/biodiversity-symposium.html>

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IAPPS Mission: to provide a global forum for the purpose of identifying, evaluating, integrating, and promoting plant protection concepts, technologies, and policies that are economically, environmentally, and socially acceptable.

It seeks to provide a global umbrella for the plant protection sciences to facilitate and promote the application of the Integrated Pest Management (IPM) approach to the world's crop and forest ecosystems.

Membership Information: IAPPS has four classes of membership (individual, affiliate, associate, and corporate) which are described in the IAPPS Web Site www.plantprotection.org.

The *IAPPS Newsletter* welcomes news, letters, and other items of interest from individuals and organizations. Address correspondence and information to:

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