



International Association for the  
**PLANT PROTECTION SCIENCES**

**IAPPS**

**NEWSLETTER**

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## **2015 IPPC - IPPAD AWARDEES**

At 2015 IPPC in Berlin, IAPPS awarded the International Plant Protection Award of Distinction (IPPAD) to six individuals and one team that have contributed in a significant way to achieving the mission: Food for all through appropriate plant protection.



Top row, left to right: IAPPS President Norton, IPPAD awardees Brhane, Muniappan, Bowman, Huber, Youdeowei, IAPPS SG Heinrichs; bottom row, IPPC awardees Tiedemann, Fayad, Bergvinson, Sikora and Zhu on behalf of Heong

### **Individual awards:**

**David Bergvinson**, Director General, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT): for his contributions to global food security through the development of insect resistant maize varieties at CIMMYT and for his role in improving the lives of 6 million smallholder farmers in Africa and South Asia through the distribution of high yielding, stress–

tolerant crop varieties as Senior Program Officer of the Bill and Melinda Gates Foundation.

**Kong Luen Heong**, Former Insect Ecologist, International Rice Research Institute (IRRI) and currently consultant to CAB international (Malaysia) and adjunct professor, Zhejiang Agricultural University, Hangzhou, China: for his contributions to the study of tropical rice insect ecology which has led to an understanding of the reason for certain rice pest outbreaks, especially the devastating brown planthopper, and for his global networking with many colleagues in other disciplines, professions and countries, in the development and implementation of improved policies and strategies for the sustainable management of rice pests.

**Jürg Huber**, Former head of the Institute of Biological Control, Julius Kühn-Institut, Federal Research Center for Cultivated Plants: for lifetime achievements in the development of biological control as a key component in Integrated Pest Management programs, research on the application of baculoviruses, leadership in international biocontrol organizations and for a distinguished record of student mentorship.

**Richard A. Sikora**, Senior Fellow, Centre for Development Research at the University of Bonn: for his impressive record of research and teaching in the field of plant protection in the tropics and soil health, international agricultural development having been involved in sustainable agriculture activities in South Africa, the establishment of Land Grant Universities in India, assisting the Philippine Bureau of Plant Industry in the development of IPM and quarantine programs, consultancies on all continents and more recently serving as Chair of the Steering committee of the CGIAR System-wide IPM Initiative.

**Andreas von Tiedemann**, Head of the Division of Plant Pathology and Crop Protection, Georg-August-University of Göttingen: for research which has led to an understanding of the mechanisms of plant disease infection processes, for the development of an internationally recognized Master program in Plant Protection and for his service to the German Society of Plant Protection as President. Major fields of research and expertise involve the biology, epidemiology, and integrated control of fungal diseases of wheat, barley, maize, oilseed rape and rice

**Anthony Youdeowei**, International Consultant, African Agricultural Research and Rural Development, Agricultural Education and Scientific Communication. Former Director of Training, West Africa Rice Development Association and consultant to FAO and the World Bank: for significant contributions to global plant protection and food security through his professional activities as a scientist, educator and IPM technology transfer specialist, at AfricaRice (former WARDA), FAO, World Bank, *icipe* and universities in Nigeria, Ghana and Kenya.

**Team award:**

**Feed the Future IPM Innovation Lab team**, Virginia Polytechnic Institute and State University Blacksburg, Virginia, USA with all stakeholders: for their contributions to the development and promotion of sustainable IPM packages of practices for tropical vegetable crops, and for their role in human and institutional capacity building in Africa, Central America and Asia through a collaborative, global network.

The team award was accepted by Dr. John Bowman, USAID, Washington, Dr. Muniappan, IPM Innovation Lab Program Director, Dr. Brhane, IPM Innovation Lab Africa Program Manager and

Amer Fayad, IPM Innovation Lab Associate Program Director.

**On behalf of the IAPPS Governing Board, I would like to again congratulate the distinguished awardees.**

**Prof. E. A. “Short” Heinrichs**  
Secretary General, IAPPS  
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## IDENTIFICATION TECHNOLOGY PROGRAM (ITP)

The ITP was established by the US Department of Agriculture (USDA) almost 10 years ago to develop digital identification aids and tools primarily for use by staff in the USDA Animal and Plant Inspection Service (APHIS). However, since these tools are freely available on the web and as mobile apps (go to ([www.idtools.org](http://www.idtools.org)), they are being used by other individuals and agencies involved in biosecurity, plant protection, taxonomy, and education, both within and beyond the USA.

Based in Fort Collins in Colorado, the ITP team responds to requests for improved diagnostic tools from various agencies within USDA by preparing proposals, seeking funding, contacting appropriate content experts, and providing overall management support for the development and deployment of the final product.

In the early days, the ITP focused on the development of identification aids for taxa containing important pest groups and species, particularly insect pests and weeds posing threats to USA agriculture and natural resources. For instance, an identification key was developed for aquarium



and pond plants of the world – including those species responsible for the worst aquatic weed problems.



Another early key, recently updated, is Flat Mites of the World – a tool designed to help identify any flat mite to genus, and in some cases to species, without the need for expertise in the taxonomic group. More recently, diagnostic tools have been developed for plant disorders, such as those found

in citrus and palms, using the same Lucid key system ([www.lucidcentral.org](http://www.lucidcentral.org)).

Other web-based and Android/iOS identification tools ([www.idtools.org](http://www.idtools.org)) cover a wide range of plant pest groups, including ants, aphids, beetles, mites, moths, scale insects, weeds and plant

diseases.

Good images are extremely important for confirming correct identification and diagnosis, and the ITP, in collaboration with the Bugwood team at The University of Georgia in the USA, has developed a node to an image database that enables users to filter images relevant to their specific crop and pest problems <http://www.ipmimages.org/browse/nodesubject.cfm?Node=5>. This image database is also being linked to keys to provide integrated identification and diagnostic tools.

Another initiative of the ITP team is the development of a comprehensive tool for finding existing digital identification tools of relevance to biosecurity and plant protection. The plan is to have this world-wide database available online in 2016. The IAPPS website – [www.plantprotection.org](http://www.plantprotection.org) – will provide information and a link to this site when it becomes available.

**Prof. Geoff Norton**

President, IAPPS

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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](http://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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