



IOBC-WPRS

Report

IOBC/WPRS Study Group “Integrated Protection of Date Palms”

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October 15-17, 2017

Riva del Garda, Italy

IOBC-WPRS

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Study Group “Integrated Protection of Date Palms”



- **Established in 2016**

- **Aims of Study Group**

- To promote the research, development, implementation, and training in IPM systems, including biological control in date palm orchards and packing houses.
- To collect, evaluate, and disseminate information to promote national and international public awareness of the economic, ecological and social importance of new developments in date palm protection

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Study Group “Integrated Protection of Date Palms”



• Topics

- ✓ Pests of date palm, their biology, ecology, molecular analysis, management
- ✓ Indigenous bio-control agents and their evaluation (species composition, bio-mapping, conservation, and evaluation)
- ✓ Monitoring and modeling the population dynamics of insect pests

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Study Group “Integrated Protection of Date Palms”



• Topics ... Cont'd.

- ✓ Insect pest's behaviors to develop alternative control method
- ✓ Weed management in date palm plantations
- ✓ Post-harvest pest management

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SG IPDP Recent Activities



- 1st International Conference of the IOBC-WPRS Study Group (SG) "Integrated Protection of Date Palms" (IPDP), March 13-14, 2017, AGU, Manama, Bahrain

➤ The topic areas covered were:

- ☞ Main date palm pests
- ☞ Control methods (cultural, chemical, physical and biological)
- ☞ IPM Strategies
- ☞ Economically feasible alternatives to Methyl Bromide
- ☞ Molecular approaches to date pest management.

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SG IPDP Recent Activities ... Cont'd.



- A round table discussion was held after closing the conference to discuss the three core themes raised during the conference:
 - 1) Technological innovations in IPM
 - 2) Date palm pests and their taxonomy, biology, ecology and control techniques
 - 3) Capacity building and technology transfer

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SG IPDP Recent Activities ... Cont'd.



- Recommendations:

1. Need improvement of the control measure to manage major pests of the date palm through the application of molecular tools (Molecular diagnostic, DNA barcoding, RNA interference, etc.)
2. Employment of the remote sensing technology for monitoring of date palm pests
3. Continues research on date palm pests biology, ecology, and control strategies

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SG IPDP Recent Activities ... Cont'd.



- Recommendations ... Cont'd.

4. Integration of the local biological control agents against date palm pests (e.g., mites, scale insects, aphids, borers)
5. Need of guidelines for major date palm pests for IPM specialists
6. Building capacity for farmers and officials on issues related to date palm pest management

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SG IPDP Recent Activities ... Cont'd.



- Recommendations ... Cont'd.
 7. Need for more regional and international collaboration in research and in formulating database for all major pests of date palms
 8. Need for studies on the Impact of climate change on date palm pests

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Future of the SG IPDP



- Challenges faced in the IPDP conference
 - Visa issues regarding some countries prevented participants from attending the conference
 - Disruptive of the conference program by undisciplined registrars
 - External funds (sponsors, collaborations, donors, etc.)

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Future of the SG IPDP



• Future activities

- SG business meeting to be held on November 14, 2017, to discuss the following:
 - ✓ Membership
 - ✓ Organizing a workshop in 2018
 - ✓ The 2nd International Conference “Integrated Protection of Date Palms,” 2019

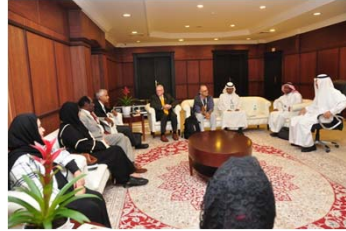
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Photos from the 1st International Conference of the Study Group "Integrated Protection of Date Palms“, 2017



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Photos from the Conference ... Cont'd.



Welcome statement Dr. AbdulAziz Mohamed, Convenor



Inauguration speech by HE Dr. Khalid Al-Ohaly, President of the AGU

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Keynote and guest speaker appreciation plaque awards



Keynote speaker Prof. David Hogg (University of Wisconsin-Madison, USA)



Keynote speaker Prof. AbdulRahman FarajAllah (Batterjee Medical College, Jeddah, Saudi Arabia)



Guest speaker Prof. Luis V. Lopez-Llorca (University of Alicante, Spain)



Guest speaker Dr. Jose Faleiro(FAO)

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Photos from the conference



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Photos from the poster session



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Photos from the roundtable discussion event



Best Oral & Poster Presentation Award



Winner for best oral presentation,
Ms. Khawla AlWahshi (UAE)



Winner for best poster presentation,
Dr. Naimah Al-Anazi,(Saudi Arabia)

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Thank you!



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