

# POSTERS PROGRAMME ICE 2008

Daily: Monday to Friday 12h30 to 14h00 Hall 3ABC Presenters at Posters

Presenting Author

## SECTION 17

### Insect Plant Interactions

CONVENORS: Peter Price (USA), Ingrid Nanni (RSA) and John Donaldson (RSA)

| Symposium Reference No. | 17.01 | Multitrophic-level interactions under climate change  |                          |
|-------------------------|-------|---|--------------------------|
| Abstract No.            | 1631  | <b>Title</b> Oviposition site selection in natural populations of <i>Ramosiana insignis</i> and <i>Vulcirea violaceae</i> (Hemiptera: Pentatomidae) involve a trade-off in the survival of progeny.       | Lopez Maurilio           |
|                         |       | <b>Authors</b> Lopez Maurilio Diaz-Fleischer Francisco Williams Trevor  |                          |
| Symposium Reference No. | 17.02 | Gall inducing insects   |                          |
| Abstract No.            | 595   | <b>Title</b> Chalcidoid wasps associated with galls on southern African plants: records from a specimen-based database  | Otilie Nesar             |
|                         |       | <b>Authors</b> Otilie Nesar   |                          |
| Abstract No.            | 1139  | <b>Title</b> Morphological identification of Chalcidoidea wasps occurring on <i>Erythrina caffra</i> and <i>E. lysistemon</i> and the impact of nutrient availability and concentration on survival rates | Burgert Muller           |
|                         |       | <b>Authors</b> Burgert Muller Schalk Louw Gerhard Prinsloo  |                          |
| Abstract No.            | 1327  | <b>Title</b> Morphological studies of <i>Cissococcus fulleri</i> (Hemiptera: Coccidae), a unique gall-inducing soft scale insect in South Africa, and evidence of a closely related new species           | Ian Millar               |
|                         |       | <b>Authors</b> Ian Millar Penny Gullan Chris Hodgson  |                          |
| Abstract No.            | 1330  | <b>Title</b> Developmental changes in chloroplast of three cecidomyiid galls indicated by confocal imagery  | Meng-Yuan Huang          |
|                         |       | <b>Authors</b> Meng-Yuan Huang Yung-Ta Chang Man-Miao Yang  |                          |
| Abstract No.            | 1448  | <b>Title</b> Bioecology of the fruit gall system in strawberry guava  | Anamaria DalMolin        |
|                         |       | <b>Authors</b> Anamaria DalMolin Gabriel Melo Rosy M. S. Isaías   |                          |
| Abstract No.            | 1619  | <b>Title</b> Complex food web created by a biological control agent – the case of <i>Dasineura dielsi</i> on <i>Acacia cyclops</i>  | Carien Kleinjan          |
|                         |       | <b>Authors</b> Carien Kleinjan  |                          |
| Abstract No.            | 1840  | <b>Title</b> Evolutionary process of gall-inducing ability in the orange leafhopper, <i>Cicadulina bipunctata</i>   | Keiichiro Matsukura      |
|                         |       | <b>Authors</b> Keiichiro Matsukura Masaya Matsumura   |                          |
| Abstract No.            | 1962  | <b>Title</b> Generalist fly pollination in <i>Ceropegia ampliata</i> and the role of trapping hairs   | Gareth Coombs            |
|                         |       | <b>Authors</b> Gareth Coombs Craig Peter Tony Dold  |                          |
| Abstract No.            | 3199  | <b>Title</b> Nectar guide removal dramatically decreases long-tongued fly visitation in <i>Lapeirousia oreogena</i>   | Timotheüs van der Niet   |
|                         |       | <b>Authors</b> Timotheüs van der Niet Dennis Hansen Steven Johnson  |                          |
| Symposium Reference No. | 17.04 | Insects of solanaceous crops  |                          |
| Abstract No.            | 738   | <b>Title</b> Varietal susceptibility of potato to the black cutworm, <i>Agrotis ipsilon</i> (Hfn.)  | Faiza Salah              |
|                         |       | <b>Authors</b> Faiza Salah Abdin Zein Elabdien Salah El-tom   |                          |
| Abstract No.            | 991   | <b>Title</b> Chitinase inhibitors to manage aphids  | Philippe Giordanengo     |
|                         |       | <b>Authors</b> Philippe Giordanengo Julien Saguez Charles Vincent   |                          |
| Abstract No.            | 993   | <b>Title</b> Resitance of wild <i>Solanum</i> species against potato aphids   | Philippe Giordanengo     |
|                         |       | <b>Authors</b> Vincent Le Roux Charles Vincent Sébastien Dugravot   |                          |
| Abstract No.            | 996   | <b>Title</b> Effects of plant age and development on the Mi-1.2- mediated resistance of tomato against whitefly <i>Bemisia tabaci</i> .   | Mariano Muñiz            |
|                         |       | <b>Authors</b> Clara I. Rodríguez Mariano Muñiz Gloria Nombela  |                          |
| Abstract No.            | 1410  | <b>Title</b> Role of the salicylic acid signalling pathway in the Mi-1-mediated resistance of tomato to whitefly <i>Bemisia tabaci</i>  | Gloria Nombela           |
|                         |       | <b>Authors</b> Gloria Nombela Clara I. Rodríguez Isgouhi Kaloshian  |                          |
| Abstract No.            | 1779  | <b>Title</b> On the interactions of whitefly, <i>Bemisia tabaci</i> and its natural enemies on different chilli cultivars   | Khalid Saeed Aqlan Naser |
|                         |       | <b>Authors</b> Khalid Saeed Aqlan Naser Idris Ghani Mohamad Roff Mohd Noor  |                          |
| Abstract No.            | 1923  | <b>Title</b> Identification of a natural source of resistance to leaf miner species in melon ( <i>Cucumis melo</i> L.)  | Faiza Salah              |
|                         |       | <b>Authors</b> Faiza Salah Yousif Gesmella Mohamed Taha   |                          |
| Abstract No.            | 1976  | <b>Title</b> A comparative study on the life cycles of <i>Liriomyza trifolii</i> (Burgess) and <i>Liriomyza sativae</i> (Blanchard)   | Faiza Salah              |
|                         |       | <b>Authors</b> Faiza Salah Elameen Eltoum Elamin Elamin   |                          |
| Abstract No.            | 2006  | <b>Title</b> Susceptibility of some varieties and breeding lines of tomato to <i>Liriomyza</i> spp. infestation in Central Sudan  | Faiza Salah              |
|                         |       | <b>Authors</b> Faiza Salah Elameen Eltuom Elamin Elamin   |                          |

| Daily: Monday to Friday 12h30 to 14h00 Hall 3ABC Presenters at Posters |  |   | Presenting Author   |
|--|--|---|---------------------|
| Abstract No. 2018  | Title  | <b>Effects of <i>Liriomyza</i> spp., host plant on development and efficiency of their parasitoids, <i>Hemiptarsenus varicornis</i> and <i>Opius dissitus</i></b>   | Faiza Salah         |
|  | Authors  | Faiza Salah Elamin Elamin Elameen Eltoun  |                     |
| Symposium Reference No. 17.05  | <b>Ecological and evolutionary consequences of insect plant interactions: a genes to ecosystems approach</b> |   |                     |
| Abstract No. 583   | Title  | <b>Systematics and co-evolution of insect herbivores on the Casuarinaceae</b>   | Gary Taylor         |
|  | Authors  | Gary Taylor Andy Austin John Jennings   |                     |
| Abstract No. 811   | Title  | <b>Monitoring of anatomical changes within the bird cherry shoots evoked by <i>Rhopalosiphum padi</i> L. (Hemiptera: Aphididae)</b>   | Bogumil Leszczynski |
|  | Authors  | Hubert Sytykiewicz Bogumil Leszczynski  |                     |
| Abstract No. 812   | Title  | <b>Toxic effects of phytohemagglutinin (PHA) on development and fecundity of rose grain aphid, <i>Metopolophium dirhodum</i> Walker</b>   | Bogumil Leszczynski |
|  | Authors  | Iwona Sprawka Bogumil Leszczynski   |                     |
| Abstract No. 813   | Title  | <b>Influence of grain aphid (<i>Sitobion avenae</i> F.) feeding on arginase activity within winter triticale seedlings</b>  | Bogumil Leszczynski |
|  | Authors  | Cezary Sempruch Bogumil Leszczynski Izabela Wojtas  |                     |
| Abstract No. 870   | Title  | <b>The evolutionary ecology of body size in seed parasites: the case of the acorn feeding <i>Curculio</i></b>   | Raul Bonal          |
|  | Authors  | Raul Bonal Tabitha Pearman Josep Maria Espelta  |                     |
| Abstract No. 1203  | Title  | <b>Selection of host plants for nest building by the Japanese foliage spider, <i>Cheiracanthium japonicum</i> (Araneae: Miturgidae)</b>   | Yutaka Hironaka     |
|  | Authors  | Yutaka Hironaka Hiroshi Abe   |                     |
| Abstract No. 3398  | Title  | <b>Varying glucosinolate profiles in <i>Arabidopsis</i> influence plant defense against generalist and specialist caterpillars differently</b>  | H.E. Hummel         |
|  | Authors  | I. Mewis J.G. Tokuhsa J. Gershenzon   |                     |
| Symposium Reference No. 17.08  | <b>Comparison of tropical and temperate plant-insect interactions</b>  |   |                     |
| Abstract No. 1875  | Title  | <b>Species diversity of plants and insects in the Mokolodi Nature Reserve and Gaborone Game Reserve</b>   | Ntebaleng Makate    |
|  | Authors  | Ntebaleng Makate Moffat Setshogo  |                     |
| Abstract No. 3502  | Title  | <b>Use of plants as substrate for vibratory communication by neotropical stink bugs (Hemiptera: Pentatomidae) and eavesdrop by the egg parasitoid <i>Telenomus podisi</i> (Hymenoptera: Scelionidae).</b>     | R.A Laumann         |
|  | Authors  | R.A Laumann A.P.S Lopes M.C.B Moraes  |                     |
| Symposium Reference No. 17.9   | <b>Other</b>   |   |                     |
| Abstract No. 277   | Title  | <b>New records of Diptera pollinating European Apocynaceae</b>  | Silvestro Pisciotta |
|  | Authors  | Silvestro Pisciotta Alfio Raspi Pietro Zito   |                     |
| Abstract No. 285   | Title  | <b>First record of <i>Danaus chrysippus</i> (Linnaeus, 1758) (Lepidoptera: Nymphalidae) larvae feeding on <i>Caralluma europaea</i> (Guss.) N.E.Br. (Apocynaceae: Aclepiadoideae): follicles versus stems</b> | Silvestro Pisciotta |
|  | Authors  | Silvestro Pisciotta Pietro Zito Maurizio Sajevo   |                     |
| Abstract No. 295   | Title  | <b>Effect of behavior on PVY transmission efficiency of <i>Rhopalosiphum padi</i></b>   | Yvan Pelletier      |
|  | Authors  | Yvan Pelletier Xianzhou Nie   |                     |
| Abstract No. 352   | Title  | <b>Effect of acetylsalicylic acid and oxalic acid on <i>Myzus persicae</i> and <i>Aphis colemani</i></b>  | Nikolaos Karatolos  |
|  | Authors  | Nikolaos Karatolos Paul Hatcher   |                     |
| Abstract No. 590   | Title  | <b>Mixed cropping and intercropping as cultural means of control for some cucurbit pests</b>  | Abdalla A. Satti    |
|  | Authors  | Abdalla A. Satti  |                     |
| Abstract No. 805   | Title  | <b>Trait-mediated effects of predatory mites on thrips and its host plant</b>   | Peter Schausberger  |
|  | Authors  | Andreas Walzer Peter Schausberger   |                     |
| Abstract No. 1054  | Title  | <b>Rapid recovery of an insect-plant interaction following habitat loss and experimental wetland restoration</b>  | Corinne Watts       |
|  | Authors  | Corinne Watts   |                     |
| Abstract No. 1152  | Title  | <b>The effects of biological-control-agent herbivory on water hyacinth plants: Resource and nutrient allocation; herbivore-induced plant defenses; and photosynthetic mechanisms and outputs</b>              | Kate Lorentz        |
|  | Authors  | Kate Lorentz Martin Hill Marcus Byrne   |                     |
| Abstract No. 1154  | Title  | <b>Influence of morphological and anatomical characteristics of the leaves on the host selection by <i>Frankliniella occidentalis</i> (Pergande) (Thysanoptera: Thripidae)</b>                                | Maria Papadaki      |
|  | Authors  | Maria Papadaki Vili Harizanova Andreas Bournazakis  |                     |
| Abstract No. 1292  | Title  | <b>Seasonal occurrence of oriental beetle, <i>Exomala orientalis</i> (Coleoptera: Scarabaeidae) in Korean golf courses</b>  | DongWoon Lee        |
|  | Authors  | DongWoon Lee Ho Yul Choo Sang Myeong Lee  |                     |

| Daily: Monday to Friday 12h30 to 14h00 Hall 3ABC Presenters at Posters |         |  | Presenting Author               |
|--|---------|--|---------------------------------|
| Abstract No. 1584  | Title   | <b>Time course of colonization of the glassy-winged sharpshooter precibarium by <i>Xylella fastidiosa</i> suggests two types of egestion during inoculation</b>                              | Elaine Backus                   |
|  | Authors | Elaine Backus David Morgan   |                                 |
| Abstract No. 1597  | Title   | <b>The sharpshooter X-wave: Correlation of xylem penetration by <i>Homalodisca</i> spp. with an Electrical Penetration Graph (EPG) waveform</b>  | Elaine Backus                   |
|  | Authors | Elaine Backus Wendy Holmes Brendon Reardon   |                                 |
| Abstract No. 1601  | Title   | <b>Thoracic vibrations in stingless bees: is body size important for an efficient buzz pollination?</b>  | Patrícia Nunes-Silva            |
|  | Authors | Patrícia Nunes-Silva Michael Hncir Vera Lucia Imperatriz-Fonseca   |                                 |
| Abstract No. 1610  | Title   | <b>New, Universal AC-DC Electrical Penetration Graph (EPG) monitor reveals detailed R- and emf-component waveforms for any piercing-sucking insect</b>                                       | Elaine Backus                   |
|  | Authors | Elaine Backus Murugesan Rangasamy Heather McAuslane  |                                 |
| Abstract No. 1770  | Title   | <b>Superoxide dismutase activity in temperature stressed viruliferous whiteflies (Hemiptera: Aleyrodidae)</b>  | Rosemarie C. Rosell             |
|  | Authors | Rosemarie C. Rosell Arsalan Shah Mudasser Khan   |                                 |
| Abstract No. 2065  | Title   | <b>Arthropods associated with commercial Proteaceae in the Western Cape, South Africa: Preliminary results</b>   | Archbold Sasa                   |
|  | Authors | Archbold Sasa Michael J. Samways Melodie A. McGeoch  |                                 |
| Abstract No. 3036  | Title   | <b>Impact of herbivory by the mite, <i>Orthogalumna terebrantis</i> (Acarina: Galumnidae) on water hyacinth (<i>Eichhornia crassipes</i>) growth parameters and leaf chlorophyll content</b> | Danica Lukac                    |
|  | Authors | Danica Lukac Marcus Byrne Martin Hill  |                                 |
| Abstract No. 3050  | Title   | <b>Bio-ecological comparative studies of greenhouse whitefly, <i>Trialeurodes vaporariorum</i> (Westwood) (Homoptera: Aleyrodidae) on cucumber and tomato</b>                                | Mehdi Zarabi                    |
|  | Authors | Shadi Movasaghi Mehdi Zarabi Neda Asemany  |                                 |
| Abstract No. 3143  | Title   | <b>Life history of <i>Euptychia</i> sp. (Nymphalidae: Satyrinae) feeding on <i>Selaginella</i> (Selaginellaceae)</b>   | José Enrique Piñango Bustamante |
|  | Authors | José Enrique Piñango Bustamante Ángel Luis Viloria Petit   |                                 |

28 June 2008