

**International Society of
Organic Agriculture
Research**



**Technical Center of
Organic Agriculture**



**Mediterranean Organic
Agriculture Network**



**International Symposium:
« Crop Protection Management in Mediterranean Organic Agriculture »
May 14 -16, 2013
Sousse (Tunisia)**

Monday, 13 May 2013

16:00 - 19:00 **Registration**

Tuesday, 14 May 2013

8:00 - 9:00 **Registration**

9:00 – 9:40 **Opening Ceremony**

- Welcome
- ISOFAR representative
- MOAN Representative
- Ministry of Agriculture representative

9:40 - 11:00 **Plenary session**

Moderators: *Dr. Mohamed Ben Khedher – Dr. Daniel Neuhoff*

Organic Agriculture in Tunisia, *Khaoula Baghdadi, Tunisia*

Management of fruit flies in the framework of the organic agriculture in the Near East region, *Alrouechdi Khaled, Jordan*.

Curruent research in microbial control of insects and prospects for their use in Tunisia, *Laârif Asma, Tunisia*.

11:00 - 11:20 Coffee break

11:20 - 13:00 **Insects' management I**

Moderators: *Dr. Saad Khalil – Dr. Ibrahim Chermiti*

Evaluation of Ceranock Attract and Kill and Femilure Mass Trapping strategies to control Mediterranean fruit fly, *Ceratitits capitata* in Tunisia, *Bouagga Sarra, Tunisia*.

Effectiveness of mass trapping in the control of *Ceratitits capitata* (Wiedman) (Diptera: Tephritidae) in Tunisian organic citrus orchards, *Hafsi Abir, Tunisia*.

Chrysopidae (Nevroptera) in Citrus Orchards of the Cap Bon region (Northeastern Tunisia), *Limem Sellami Essia, Tunisia.*

The use of mass trapping techniques to control tomato borer *Tuta absoluta*, *Braham Mohamed, Tunisia.*

The effect of distance between parasitoid and host on the parasitism of *Psytalia concolor* (Szépligeti) in organic olive orchards, *Nuray Baser, Italy.*

13:00 - 14:00

Lunch break

14:00 - 15:20

Insects' management II

Moderators: *Dr. Khaled Al Rouechdi – Dr. Mohame Braham*

Strategies for the biological control of *Planococcus ficus* (Signoret) in organic table grape, *Flutura Lamaj, Albania.*

Macrolophus pygmaeus Wagner (Heteroptera: Miridae), a promising biological control agent for protected tomato crop in Tunisia, *Hamdi Faten, Tunisia.*

Biological control comparison on pepper and eggplant under on protected crops against the cotton aphid, *Aphis gossypii* Glover (Hemiptera, Aphididae) by *Lysiphlebus testaceipes* Cresson (Hymenoptera, Braconidae), *Ben Halima Kamel Monia, Tunisia.*

Comparison between *Orius laevigatus* Fieber (Hemiptera; Anthocorridae) imported and local strains efficacy to control *Frankliniella occidentalis* Pergande (Thysanoptera; Thripidae) in protected pepper crop greenhouses in Tunisia, *Elimem Mohamed, Tunisia.*

15:20 - 15:40

Coffee break

15:40 - 18:00

Diseases' management I

Moderators: *Dr. Naima B. M'hamdi - Dr. Esam D. S. Al-Rawatchy*

Putative application of faba bean associated bacteria in the biocontrol of *Rhizoctonia solani* on potato, *Mrabet Monsef, Tunisia.*

In vitro antifungal activity of a range of aqueous extracts of plants against *Phytophthora infestans* (Mont.) de Bary. Causal agent of late blight of the potato *Solanum tuberosum* L. in Algeria, *Moumene Saida, Algeria.*

Soil-borne and compost-borne *Aspergillus* species for biologically controlling Fusarium dry rot of potatoes caused by *Fusarium sambucinum*, *Aydi Rania, Tunisia.*

New strategy for managing damping-off and root rot disease of Cucumber caused by *Rhizoctonia solani* by seed soaking in formula of antioxidant with micronutrients, *Safaa A. M. Yousef, Egypt.*

Evaluation of chickpea genotypes for resistance to ascochyta blight, *Al-Taae Ali Kareem, Iraq.*

In vitro bio-control activity of antagonists for Citrus brown spot control, *Haddad Maali, Tunisia.*

Efficacy of Ascorbic Acid efficacy in controlling wheat against Septoria leaf blotch by direct and indirect effect, *Somai Lamia, Tunisia.*

18:15 – 19:15

IFOAM – MENA Meeting

Dr. Saad Khalil, Dr. Marco Hartmann, Dr. Mohamed Ben Khedher

Wednesday, 15 May 2013

9:00 - 10:40

Diseases' management II

Moderators: *Dr. Mejda Daami – Dr. Dahliz Abderrahamene*

Biological control of some apple postharvest diseases, *Hibar Khaled, Tunisia.*

Antibacterial effects of two Anacardiaceae species against the Olive knot disease, *Ghanney Nadia, Tunisia.*

In vitro tissue culture and molecular techniques as an aid for organic healthy fig (*Ficus carica* L.) orchard establishment, *Bayoudh Chokri, Tunisia.*

Sanitary selection of virus-free clones for the establishment of organic fig (*Ficus carica* L.) orchards, *Elair Manel, Tunisia.*

In vitro bioassay of the antagonistic activity of some bacteria isolated from compost extracts, *Chakroun Amel, Tunisia.*

10:40 - 11:00

Coffee break

11:00 - 12:40

Crop protection management

Moderators: *Dr. Rabiaa Haouala - Dr. Riadh El-Mohamedy*

In vitro antifungal activity of medicinal plant against *Nattrassiamangiferae*, the Causal Agent of Apricot Tree Decline Disease in the Oases of South Tunisia, *Namsi Ahmed, Tunisia.*

Cinnamon plant extracts a comprehensive physic-chemical and biological study for its potential use as a biopesticide, *Araar Hakima, Algeria.*

Applications of chitosan and essential oils as alternatives fungicides for suppression postharvest fungi of citrus fruits *Riad El- Mohamedy, Egypt.*

Herbicidal activity of volatile oils from *E.maidenii* against three weeds and three crops, *Grichi Aida, Tunisia.*

Study of the effect of two surfactants on the retention of spray jets on barley, *BoukhalfaHassina Hafida, Belgium.*

12:40 - 14:00

Lunch break

14:00 - 16:00

Poster Session

Insect management

Moderators: *Dr. Monia K. Ben Halima – Dr.D'Addabbo Triffone*

Evaluation of the aphicide activity of two essential oils on the survival of the citrus black aphid *Toxoptera aurantii* (Boyer de Fonscolombe) (Homoptera: Aphididae), *Fahad Kaoutar, Morocco*

Biological control of *Tuta absoluta* (Meyrick) (Lep: Gelechiidae) with enthomopathogenic fungi, *Lakhdari Wassima, Algeria*

Complex of natural enemies and control methods of the exotic invasive pest *Tuta absoluta* (Lepidoptera: Gelechiidae) in southern Algeria, *Dahliz Abderrahman, Algeria*

Bio-insecticidal potential of *Citrus sinensis* L. essential oils against two Greenhouse pests: *Tuta absoluta* and *Spodoptora littoralis*, *Zarrad Khaoula, Tunisia*

Insecticidal and anti-appetent activities of four *Chrysanthemum* species against *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae), *Haouas Dalila, Tunisia*

Bio-Ecology of the bark beetle *Scolytus amygdali* (Coleoptera, Curculionidae) in the Center of Tunisia and focus on its parasitoids and associated fungi, *Zairi Asma, Tunisia*

Influence of crop rotation on cereal pests and their natural enemies, *Glida Habiba, Tunisia*

Can biological and botanical insecticides combined with mass trapping control the tomato leaf miner *Tuta absoluta* in tomato crops in Tunisia, *Harbi Ahlem, Tunisia*

Newly adapted parasitoids of the tomato leafminer *Tuta absoluta* (Lepidoptera: Gelechiidae) in Tunisia: an ally in organic tomato crops, *Abbes Khaled, Tunisia*

Biochemical control for implementation by the olive pests *Bactrocera oleae* (Diptera, Tephritidae) in Tlemcen (Algeria), *Gaouar Benyelles Nassira, Algeria*

Monitoring and identification of causal agents of natural mycosis on *Capitophorus elaeagni*, del Guercio (Hemiptera: Aphididae) in Tunisian organic artichoke crop, *Guesmi Jouda, Tunisia*

Insecticidal activity of *Bacillus brevis* and *Beauveria bassiana* on *Tuta absoluta* (Meyrick, 1917) (Lepidoptera: Gelechiidae), *Dhouibi Ameni, Tunisia*

Diseases' management

Moderators: *Dr. Seidler L. Katarzyna – Dr. Souissi Thouraya*

Evaluation of melon genotypes for resistance to Fusarium wilt in Tunisia, *Chikh Rouhou Hela, Tunisia*.

The effect of water extract of *Ocimum basilicum* and the fungal biocontrol agent *Trichoderma harzianum* fungi causing damping-off of Okra, *AL Lashi Najwa, Iraq*.

Effect of seed treatment with aqueous extract of *Ocimum basilicum* leaves and cultural filtrate of the biocontrol agent *Trichoderma harzianum* in controlling damping-off of Okra seedlings in the greenhouse, *Sulaiman Esam, Iraq*.

Evaluation of chickpea genotypes for resistance to aschophyta blight, *Hazim Al Taae Huda, Iraq*.

Influence of microbiological plant growth promoter on growth and healthiness of lemon balm (*Melissa officinalis*), *Jolanta Kowalska, Poland*

Bioprotection mechanisms of chickpea plant by *Rhizobium leguminosarum* against *Rhizoctonia solani*, *Hemissi Imen, Tunisia*

A new formulation based compost used as a biopesticide in organic farming against tomato pathogens, *Mouria Btisseem, Morocco*

Integrated management of black scurf of potato in Tunisia, *Djebali Naceur, Tunisia*

Biological control of potato late blight in Tunisia, *Ben Fradj Najoua, Tunisia*

Mass spectrometry identification of antifungal lipopeptides from *Bacillus* sp. strain BCLRB2 against *Rhizoctonia solani* and *Sclerotinia sclerotiorum*, *Elkahoui Salem, Tunisia*

Phytotoxic and fungitoxic activities of aqueous and organic extracts from *Citharexylum quadrangular* Jacq, *El Ayeb Asma, Tunisia*

Susceptibility of Olive tree Cultivars towards *Pseudomonas savastanoi* pv. *Savastanoi*, Mougou Imen, Tunisia

Isolation and identification of fungal pathogens in palm groves of Oued Righ 2012, Lakhdari Wassima, Algeria

Crop Protection Management

Moderators: Dr. Ali Kareem M. Weli – Dr. Najet Raouani

Evaluation of *Paecilomyces lilacinus* and *Verticillium leptobactrum* on the Biological control of Root knot nematode *Meloidogyne javanica* and Potato Cyst-Nematode *Globodera pallida* on Potato (*Solanum tuberosum*), El Hajji Lobna, Tunisia

Evaluation of suppressive effect of three Brassica green manures on *Meloidogyne incognita*, Guesmi Ilhem, Tunisia

Tannins of pomegranate: *Punica granatum* (Algerian East), Djedouani Zahira, Algeria

Effects of *Allium roseum* var. *grandiflorum* subvar. *typicum* Regel. organic extracts on seed germination and seedling growth of *Peganum harmala* L., Sakka-Rouis Lamia, Tunisia

Assessment of a CDA micromax rotary atomizer for weed control, Ouled Taleb Salah Sofiene, Belgium

The micropropagation of two varieties of *Solanum tuberosum* L. cvs. Désirée & Spunta by substitution of the culture media and production of the microtubers, Belguendouz Amina, Algeria

Effects of different mulching on environmental factors and crop yield (Broccoli) under Mediterranean conditions: case of Apulia Region-south of Italy, Hlayem Dhaker, Italy

High speed imaging use to predict spray retention on barley leaves, Boukhalfa Hassina Hafida, Belgium

Response of Lettuce Yield (Paris Island Cos) to Spray With Humic Acid and Seaweed Extract Alga – 300, Hasan Abduljabar, Iraq

Production of some vegetables using bio-organic farming in newly reclaimed soil, Mohamed ragab, KSA / Egypt

Role of rhizobacteria in weed growth suppression, Dorsaf. Mejri, Tunisia

Effect of Aqueous Leaves Extracts of *Eucalyptus camaldulensis* on Germination and Growth of Three Weed Species, Janan. A. Saeed, Iraq.

16:00 - 16:30

Coffee break

16:30 - 17:30

Closing Ceremony

Discussions

Participants' representative

Outlook (D. Neuhoff – V. verastro)

Concluding remarks (M. Ben Kheder)

19:30

Gala Dinner

Thursday, 16 May 2013

One-day visit

8 :00 :Departure from hotel

10 :00 – 12 :00 : Technical Center of Citrus

13:00 – 14:00 : Lunch

14:15 – 15:15 : Nabeul City

16:00 – 17:00 : Hammamet City

18:00 – 19:00 : CTAB Experimental Station