POSTERS

Room: A0.041

Secretaries: **K. DE MAEYER** (Ghent University, Gent, Belgium)
M. BONTE (Ghent University, Gent, Belgium)

PHYTOPATHOLOGY

Diseases

P01 **R.P. MUKOBO MUNDENDE, M. NGONGO & G. HAESAERT** (University of Lubumbashi, Lubumbashi, RD Congo)

- Diseases on *Triticum* sp. under the growing conditions of Lubumbashi (Congo RD)

P02 **S. KAZEM SABBAGH, L. GAGNA-DIAGNE, M. NAUDAN & C. ROUX** (University Paul Sabatier, France)

- Solopathogenic strain of Ustilaginaceae: an adaptation to aerial spore dispersal?

P03 **A.N. SMIRNOV, N.YA. KVASNYUK, S.A. KUZNETSOV & K.L. DEAHL** (Russian Agricultural University, Moscow, Russia)

- Occurrence and possible significance of *Phytophthora infestans* oospores in different regions of Russia in 1997-2006

P04 **E. PAUWELYN** (Ghent University, Gent, Belgium)

- Determinants of pathogenicity for *Pseudomonas cichorii*

P05 **A. ROUSTAEE, M. KARIMPOUR & M. DJAFARI** (University of Tehran, Karaj, Iran)

- Study of interaction between salinity and charcoal rot diseases of melon (*Macrophomina phaseolina*) in Semnan and Garmsar desert areas of Iran

Detection/genetic diversity

P06 **J. DEBODE, W. VAN HEMELRIJCK, S. BAEYEN, P. CREEMERS, K. HEUNGENS & M. MAES** (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium)

- Detection and quantification of *Colletotrichum acutatum* in strawberry leaves using real-time PCR

P07 **J. PANNECOUCQUE & M. HÖFTE** (Ghent University, Gent, Belgium)

- Detection of rDNA ITS polymorphism in *Rhizoctonia solani* AG 2-1 isolates

P08 **J.A. MARTÍNEZ, R. VALDÉS, M.J. VICENTE & S. BAÑÓN** (Universidad Politécnica de Cartagena, Spain)

- Phenotypical differences among *B. cinerea* isolates from ornamental plants

POSTERS

P09 **M. BENCHEIKH & B. SETTI** (Université de Chlef, Algeria)

- Characterization of *Streptomyces scabies* isolated from common scab lesions on potato tubers by morphological, biochemical and pathogenicity tests in western Algeria

P10 **D. BERTETTI, G. GILARDI, M.L. GULLINO & A. GARIBALDI** (University of Turin, Torino, Italy)

- New powdery mildews on ornamental crops in northern italy

P11 **V. RAHJOO, J. ZAD, M. JAVAN-NIKKHAH, M.R. BIHAMTA, S.M. OKHOVVAT, A. GOHARI, A. ELAMEEN & S. KLEMSDAL** (Seed and Plant Improvement Institute, Karaj, Iran)

- Genetic variation of *Fusarium verticillioides* isolates recovered from corn ears

P12 **M. JENSEN, N. ALE-AGHA & M. BRAßMANN** (Universität Duisburg-Essen, Germany)

- Survey of microfungi in the Kleinwalsertal (Austrian alps)

P13 **M. JENSEN, N. ALE-AGHA, M. BRAßMANN, S. KAUTZ, S. EILMUS & D.J. BALLHORN** (Universität Duisburg-Essen, Germany)

- Rare or remarkable microfungi from Oaxaca (South Mexico)

Resistance and cultural practices

P14 **H. HOSSEINI MOGHADDAM, L. LEUS, H. MUYLLE, A. DEWITTE, J. DE RIEK, J. VAN HUYLENBROECK, E. VAN BOCKSTAELE** (ILVO, Melle, Belgium)

- Construction of a genetic linkage map and identification of SSR and AFLP markers for pathotype specific powdery mildew resistance in roses

P15 **A. LA TORRE, M. GIANFERRO, G. SPERA & D. LUCARINI** (C.R.A. - Plant Pathology Research Center, Rome, Italy)

- Optimization of plant protection products treatments against *Plasmopara viticola*

P16 **A. LA TORRE, S. TALOCCI, G. SPERA & R. VALORI** (C.R.A. - Plant Pathology Research Center, Rome, Italy)

- Control of downy mildew on grapes in organic viticulture

P17 **H. SAREMI, S.M. OKHOVVAT & Ha. SAREMI** (Zanjan University, Iran)

- *Pistachio gummosis* disease caused by *Phytophthora* species and its control management with soil solarization method in Iran

P18 **A. MINUTO, A. GARIBALDI & M.L. GULLINO** (University of Turin, Torino, Italy)

- *Colletotrichum coccodes*, *Rhizoctonia solani* and *Phytophthora nicotianae* can infect grafted tomato plants

P19 **N.Y. KVASNYUK, B.I. GUREVICH, K.L. DEAHL & A.N. SMIRNOV** (All-Russian Research Institute of Phytopathology, Moscow region, Bolshiye Vyazemy, Russia)

- Development of forecasting of late bight appearance in potato cropping

P20 **H. SAREMI, Ha. SAREMI & S.M. OKHOVVAT** (Zanjan University, Iran)

- Major diseases on main crops caused by *Fusarium* species and their management with soil solarization method in Iran

Biocontrol

P21 **E. RUBIO-PÉREZ, M. LEIRE MOLINERO-RUIZ, J.M. MELERO-VARA & M.J. BASALLOTE-UREBA** (CICE Junta de Andalucía, Sevilla, Spain)

- Selection of potential antagonists against Asparagus crown and root rot caused by Fusarium spp.

P22 **V. JEGATHAMBIGAI, M.D.S.D. KARUNARATNE, A. SVINNINGEN & G. MIKUNTHAN** (Green Farms Limited, Marawila, Sri Lanka)

- Potential of *Trichoderma* species on *Helminthosporium* causing leaf spot on cane palm, *Chrysalidocarpus lutescens*

P23 **A.M. AMER & I.I. ABOU-EL-SEOUD** (Alexandria University, Alexandria, Egypt)

- Mycorrhizal fungi and *Trichoderma harzianum* as biocontrol agents for suppression of *Rhizoctonia solani* damping-off disease of tomato

P24 **G. FIUME & F. FIUME** (Research Centre for Vegetable Crops, Roma, Italy)

- Biological control of the tomato corky root in greenhouse

P25 **M.R. MOHAMMADI & B. HAJIEGHRARI** (Islamic Azad University Branch Varamin, Varamin, Iran)

- An in vitro evaluation of some Iranian *Trichoderma* isolates potency in biocontrol of some soil born plant pathogenic fungi

P26 **S. BEHNAM, M. AHMADZADEH, A. SHARIFI-TEHRANI & H.G. ALI** (University of Tehran, Karaj, Iran)

- Effectiveness of *Trichoderma virens* in suppression of sclerotinia stem rot of canola

P27 **A. SHARIFI TEHRANI, M. AHMADZADEH, M. FARZANEH, R. SABERI-RISEH & K. BEHBOODI** (University of Tehran, Karaj, Iran)

- Fermentation and formulation of *Pseudomonas fluorescens* for biocontrol of bean daming-off caused by *Fusarium solani*

P28 **S. PEIGHAMY-ASHNAEI, A. SHARIFI-TEHRANI, M. AHMADZADEH & K. BEHBOUDI** (University of Tehran, Karaj, Iran)

- Interaction of media on production and biocontrol efficacy of *Pseudomonas fluorescens* and *Bacillus subtilis* against grey mould of apple

POSTERS

P29 **M. BENCHEIKH & B. SETTI** (Université Paris VI, Paris, France)

- The talc formulation of streptomyces antagonist against mycosphaerella foot rot in pea (*Pisum sativum* L.) seedlings

P30 **A.F. CARABET, I. GROZEA, R. CHIRITA & A.M. BADEA** (Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania)

- Biological control of *Phytophthora infestans* in tomatoes with mycoextracts from *Fusarium culmorum* and *Fusarium graminearum*

P31 **A. VITORATOS, D. ANAGNOSTOU, A.N. MARKOGLOU & B.N. ZIOGAS** (Agricultural University of Athens, Athens, Greece)

- Fungicidal effectiveness of plant essential oils against *Botrytis cinerea, Penicillium italicum* and *P. digitatum*

~~P32 **M. FARZANEH & J. HADIAN** (University of Tehran, Karaj, Iran)~~

~~- Composition and antifungal activity of the essential oil of artemisia aucheri from iran against some postharvest phytopathogenic fungi~~

P33 **J. D'AES & M. HÖFTE** (Ghent University, Gent, Belgium)

- Role of phenazines and biosurfactants in *Pythium* suppression by fluorescent *Pseudomonads*

Fungicides

P34 **R. AERTS, T. BEYERS, B. SEELS & K. HEYENS** (Katholieke Hogeschool Kempen, Geel, Belgium)

- Resistance of *Botrytis cinerea* in tomato against fungicides

P35 **E. NAGY & K. NAGY** (Agricultural Research Development Station, Turda, Romania)

- The effect fungicides treatments on the spring barley yield

P36 **T. VENDITTI, G. D'HALLEWIN, A. DORE, M.G. MOLINU, P.P. FIORI, C. ANGIOLINO & M. AGABBIO** (I.S.P.A.-C.N.R. Unità di Sassari, Sassari, Italy)

- Acetic acid treatments to keep postharvest quality of "Regina" and "Taloppo" table grape

P37 **A.N. MARKOGLOU, A.G. VITORATOS, E.G. DOUKAS & B.N. ZIOGAS** (Agricultural University of Athens, Athens, Greece)

- Effect of triazole resistance mutations on the fumonicin production by *Fusarium moniliforme*

P38 **M. THIERON** (ARGUS Monitoring, Alsdorf, Germany)

- Changes in the occurrence of eyespot and implications on fungicide strategies

P39 **R. AERTS, T. BEYERS, B. SEELS, L. VOGELS & K. HEYENS** (Katholieke Hogeschool Kempen, Geel, Belgium)

- Infectious period of *Botrytis cinerea* on tomato stem wounds

P40 **D. BERTETTI, A. GARIBALDI & M.L. GULLINO** (University of Turin, Torino, Italy)

- Resistance to fungicides of *Botrytis cinerea* in Italian vineyards

Viruses and phytoplasmas

P41 **S.A. GHAZAL, KH.A. EL-DOUGDOUG, A.A. MOUSA, H. FAHMY & A.R. SOFY** (Al-Azhar University, Egypt)

- Isolation and identification of *Citrus psorosis* virus Egyptian isolate (CPsV-EG)

P42 **A. FANIGLIULO, R. PACELLA, S. COMES & A. CRESCENZI** (Università degli Studi della Basilicata, Potenza, Italy)

- First record of tomato yellow leaf curl sardinia virus (TYLCSV) on pepper in italy

P43 **D.N. KAMBREKAR, K.A. KULKARNI, R.S. GIRADDI, J.H. KULKARNI & B. FAKRUDIN** (University of Agricultural Sciences, Karnataka, India)

- Diversity in *Helicoverpa armigera* Nuclear Polyhedrosis Virus Isolates from different parts of India

P44 **B. ROHANI, M. KOOHI HABIBI & Gh. MOSAHEBI** (University of Tehran, Karaj, Iran)

- Nodule infection by Bean yellow mosaic virus in *Vicia faba* and molecular characterization of it

P45 **H. KHATERI, N. MOARREFZADEH, Gh. MOSAHEBI & M. KOOHI-HABIBI** (University of Tehran, Karaj, Iran)

- Virus diseases in the tobacco fields of Guilan and Western Azerbaijan provinces of Iran

P46 **M. REZA SAFARNEJAD, R. FISCHER & U. COMMANDEUR** (RWTH-Aachen, Aachen, Germany)

- Generation and characterization of recombinant antibodies against TYLCV rep

P47 **N.V. GIRSOVA, T.B. KASTALYEVA, K.A. KROMINA, K.A. MOZHAEVA & R.A. OWENS** (Russian Research Institute of Phytopathology, Bolshie Vyasiomy, Russia)

- Russian isolates of potato spindle tuber viroid

P48 **N.V. GIRSOVA, K.D. BOTTNER, T.B. KASTALYEVA, K.A. MOZHAEVA, R.A. OWENS & I-M. LEE** (Russian Research Institute of Phytopathology, Bolshie Vyasiomy, Russia)

- Identification of phytoplasma species responsible for potato diseases in Russia

POSTERS

P49 **M. ALDAGHI, S. MASSART, P. DRUART, A. BERTACCINI, M.H. JIJAKLI & P. LEPOIVRE** (Gembloux Agricultural University, Gembloux, Belgium)

- Preliminary in vitro evaluation of antimicrobial activity of some chemicals on apple proliferation disease

P50 **K. DE JONGHE, R. TAHZIMA & M. MAES** (Institute for Agricultural Fisheries Research, Merelbeke, Belgium)

- Utilizaiton of FTA (R) cards combined with one-step fluorescent RT-PCR rapid detection of tomato spotted wilt virus

ENTOMOLOGY

E01 **H.E. HUMMEL & U. SANGUANPONG** (Justus Liebig University Giessen, Giessen, Germany)

- „Ergography": a method for analyzing and understanding temporal work patterns of prolific agricultural entomologists

E02 **H.E. HUMMEL, A. DEUKER, D. EBERHARD, M. GLAS, G. LEITHOLD** (Justus Liebig University Giessen, Giessen, Germany)

- The western corn rootworm beetle *Diabrotica*: first arrival on German territory 2007

E03 **Ch. ULRICHS, S. DINNESEN, T. NEDELEV, H.E. HUMMEL, S. MODIC & G. UREK** (Humboldt University Berlin, Berlin, Germany)

- Monitoring *Diabrotica virgifera virgifera* LeConte (Col.: Chrysomelidae) in south eastern Slovenia: Increasing population trend and host spectrum expansion

E04 **I. GROZEA, A. CARABET, R. CHIRITA & A.M. BADEA** (Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania)

- Natural enemies in control of invasive species *Diabrotica virgifera virgifera* from maize crops

E05 **S.M. BESHR** (Agricultural Research Center, Sabaheia, Alexandria, Egypt)

- Ultrastructural studies of *Icerya seychellarum* ovary (Hemiptera: Margarodidae)

E06 **I. ABDEL-RAZAK , M.B. SAHAR, A.K. MOURAD & S. MOURSI KHADIGA** (Alexandria University, Alexandria, Egypt)

- Ultrastructure of egg shell of four different Coccoidea species in Alexandria, Egypt

E07 **A.K. MOURAD, S. MOURSI KHADIGA, H.A. MESBAH, & I. ABDEL-RAZAK.SOAD** (Alexandria University, Alexandria, Egypt)

- Scale insects and mealy bugs (Homoptera: Coccoidea) attacking deciduous fruit trees in the western north coast of Alexandria, Egypt

E08 **H.A. MESBAH, S. MOURSI KHADIGA, A.K. MOURAD & I. ABDEL-RAZAK SOAD** (Alexandria University,Alexandria, Egypt)

- Ecological studies on the greedy scale, *Hemiberlisia rapax* (Comstock) (Homoptera: Diaspididae) on pear trees at Burg el-Arab area, Alexandria, Egypt

E09 **S. TRDAN & A. BOBNAR** (University of Ljubljana, Ljubljana, Slovenia)

- Seasonal dynamics of three insect pests in the cabbage field in central Slovenia

E10 **M.M. UDDIN, Ch. ULRICHS & I. MEWIS** (Humboldt University Berlin, Berlin, Germany)

- *Phaedon cochleariae* (F.) performance on different crucifer varieties

E11 **R. GIL-ORTIZ, J.V. FALCÓ-GARÍ, M.T. OLTRÁ-MOSCARDÓ, J. MORENO-MARÍ & R. JIMENEZ-PEYDRÓ** (Universidad de Valencia, Valencia, Spain)

- Plant-insect interactions in Mediterranean ecosystems of Spain (Diptera: Agromyzidae)

E12 **M. REZA HASSANI, G. NOURI-GANBALANI, H. IZADI, M. BASIRAT & M. SHOJAI** (Islamic Azad University, Rafsanjan Branch, Iran)

- Biology and thermal requirments of pistachio psylla in natural conditions

E13 **C. MEIERROSE & C. RODRIGUES** (University of Evora, Portugal)

- Resource sharing by leaf hoppers, thrips and aphids in an industrial vineyard in Southern Portugal

E14 **C. MEIERROSE & N.G. OLIVEIRA** (University of Evora, Portugal)

- Dynamics and biodiversity of pests and naturally occurring beneficials in an industrial vineyard in Southern Portugal

E15 **C. MEIERROSE & R. LOEPER** (University of Evora, Portugal)

- Biodiversity and dynamics of pests and beneficials found in a citrus orchard after 20 years of organic farming

E16 **E. BANGELS, C. DE SCHAETZEN & B. GOBIN** (pcfruit Gorsem, Sint-Truiden, Belgium)

- The importance of arthropod pests in Belgian pome fruit orchards

E17 **B. GOBIN, G. PEUSENS, R. MOERKENS & H. LEIRS** (pcfruit Gorsem, Sint-Truiden, Belgium)

- Earwig population dynamics: phenology, population crashes and vulnerabilities

E18 **R. ALMOHAMAD, F.J. VERHEGGEN, F. FRANCIS & E. HAUBRUGE** (Gembloux Agricultural University, Gembloux, Belgium)

- Assessment of oviposition site quality by predatory hoverfly females: reaction to presence of conspecific eggs

POSTERS

E19 **C. ADARKWAH, D. OBENG-OFORI, C. REICHMUTH, C. BÜTTNER, S. PROZELL & M. SCHÖLLER** (Humboldt University Berlin, Berlin, Germany)

- The host-finding behaviour of *Venturia canescens* (Grav.) (Hymenoptera: Ichneumonidae), a potential natural enemy for the biological control of *Corcyra cephalonica* (Stainton) (Lepidoptera: Pyralidae) in stored bagged rice

E20 **A. FATHI & G. NOURI-GANBALANI** (University of Mohaghegh Ardabili, Ardabil, Iran)

- Predatory efficiency of *Orius niger* (Wolf.) and *Orius minutus* (L.) on two prey species in potato

E21 **S. HESAMI & H. SEYEDOLESLAMI** (Islamic Azad University, Shiraz, Iran)

- Impact of overwintering refugia of *Anagrus atomus* (Hymenoptera: Mymaridae) on egg parasitism of *Arboridia kermanshah* (Homoptera: Cicadellidae)

E22 **M. HAGHANI, Y. FATHIPOUR, A. ASGHAR TALEBI & V. BANIAMERI** (Yasouj University, Iran)

- Reproduction parameters of *Diglyphus isaea* and *Hemiptarsenus zilahisebessi* (Hymenoptera: Eulophidae) on *Liriomyza sativae* (Diptera: Agromyzidae) at three constant temperatures

E23 **A. PINEDA, B. DÍAZ, S. LEGARREA, Á. MARCOS-GARCÍA & A. FERERES** (University of Alicante, Spain)

- Compatibility of the entomopathogenic fungus *Lecanicillium lecanii* with the syrphid *Episyrphus balteatus*

E24 **A. ALI, H. SERMANN & C. BÜTTNER** (Humboldt University Berlin, Berlin, Germany)

- Susceptibility of *Ceratitis capitata* Wiedemann to entomopathogenic fungi

E25 **A. SEVIM, Z. DEMIRBAĞ, M. HÖFTE & I. DEMIR** (Rize University, Rize, Turkey. Ghent University, Gent, Belgium)

- Distribution and occurrence of entomopathogenic fungi in the eastern black sea region of Turkey

E26 **N. THURKATHIPANA & G. MIKUNTHAN** (University of Jaffna, Sri Lanka)

- Eco-friendly management of hadda beetle using *Beauveria bassiana* in brinjal

E27 **A.A. BAHAR, R. NALÇACIOĞLU, K. SEZEN & Z. DEMİRBAĞ** (Karadeniz Technical University, Trabson, Turkey)

- Chitinase and insecticidal activities of entomopathogenic bacteria of some hazelnut pests

E28 **H. BOUDJELIDA, L. AÏSSAOUI, A. BOUAZIZ, G. SMAGGHE & N. SOLTANI** (Université Badji-Mokhtar, Annaba, Algerie)

- Laboratory evaluation of *Bacillus thuringiensis* (Vectobac WDG) against mosquito larvae, *Culex pipiens* and *Culiseta longiareolata*

E29 **S. PHOWICHIT, V. BULLANGPOTI, S. VISETSON, & C. SUDTHONGKONG** (Kasetsart University, Bangkok, Thailand)

- Efficiency of *Jatropha gossypifolia* L. (Euphorbiaceae) against *Spodoptera litura* (Lepidoptera: Noctuidae): toxicity and detoxification enzyme activities

E30 **S. BUATIPPAWAN, V. BULLANGPOTI, S. VISETSON, J. R. MILNE & M. MILNE** (Kasetsart University, Bangkok, Thailand)

- Effect of *Cleome viscosa*, L. (Capparidaceae) extract on toxicity and the activity of carboxylesterase and glutathione-S-transferase in *Spodoptera litura* (Lepidoptera: Noctuidae)

E31 **M.A. ATEYYAT & M.S. ABU-DARWISH** (Ash-Shoubak University College, Al-Balqa', Jordan)

- Insecticidal activity of different extracts of *Rhamnus dispermus* Ehrenb. (Rhamnaceae) against peach trunk aphid, *Pterochloroides persicae* (Cholodkovsky) (Homoptera: Lachnidae)

E32 **F. MGAMAT, F. DOUIRI, H. BOUMZAOUED & A. BOUGHDAD** (Ecole Nationale d'Agriculture de Meknès, Meknès, Maroc)

- Use of botanical allelochemicals in pulse protection against *Callosobruchus maculatus*

E33 **T. MUCHA-PELZER, N. DEBNATH, A. GOSWAMI, I. MEWIS & Ch. ULRICHS** (Humboldt University Berlin, Berlin, Germany)

- Comparison of different silicas of natural origin as possible insecticides

E34 **G. CUARTERO DIAZ, E. HAUBRUGE & F. FRANCIS** (Gembloux Agricultural University, Gembloux, Belgium)

- Use potential of albumins issued from pea's industrial process for crop protection

E35 **S. SHAHIDI NOGHABI, E. VAN DAMME & G. SMAGGHE** (Ghent University, Gent, Belgium)

- Carbohydrate-binding activity of the ricin B-chain like lectin, SNA-I, from elderberry (*Sambucus nigra*) is a determining factor for its insecticidal activity

E36 **K. JABER, F. FRANCIS, G. CUARTERO DIAZ & E. HAUBRUGE** (Gembloux Agricultural University,Gembloux, Belgium)

- Investigation of carbohydrate binding property of a fungal lectin from *Xerocomus chrysenteron* and potential use on *Myzus persicae*

POSTERS

E37 **S. MOHARRAMIPOUR, A. TAGHIZADEH, M.H. MESHKATALSADAT, A.A. TALEBI & Y. FATHIPOUR** (Tarbiat Modares University, Tehran, Iran)

- Repellent and fumigant toxicity of essential oil from *Thymus persicus* against *Tribolium castaneum* and *Callosobruchus maculatus*

E38 **M. AHMADI, S. MOHARRAMIPOUR, H. MOZDARANI & M. NEGAHBAN** (Nuclear Science and Technical Research Institute, Tehran, Iran)

- Combined effect of gamma radiation and *Perovskia atriplicifolia* for the control of red flour beetle, *Tribolium castaneum*

E39 **S. DUSHIMIRIMANA, T. HANCE & D. DAMIENS** (Université Catholique de Lovain, Louvain-la-Neuve, Belgium)

- Physical control of the desert locust *Schistocerca gregaria*: the use of gamma-irradiated males

E40 **A. FANIGLIULO & M. SACCHETTI** (Centro Interregionale di Diagnosi Vegetale, Italy)

- Emamectin benzoate: new insecticide against *Helicoverpa armigera*

E41 **E. BANGELS & B. GOBIN** (pcfruit Gorsem, Sint-Truiden, Belgium)

- Efficacy results of insecticides against *Cydia pomonella*, the codling moth, in belgium during the last decade (1998-2007)

E42 **Y. ADJAMI, A. SAOULI, H. BENSAFI, M.L. OUAKID, G. SMAGGHE & N. SOLTANI** (Université Badji-Mokhtar,Annaba, Algerie)

- Insecticide effect of halofenozide against carpophagous insects in Algerian cork oak acorns

E43 **N. SOLTANI, S. CHOUAHDA & G. SMAGGHE** (Université de Annaba, Annaba, Algérie)

- Evaluation of halofenozide against prey mosquito larvae *Culex pipiens* and the predator fish *Gambusia affinis* : impact on growth and enzymatic activities

E44 **V. MOMMAERTS, G. STERK & G. SMAGGHE** (Vrije Universiteit Brussel, Brussel, Belgium)

- Risk assessment analysis for insect growth regulatory pesticides with a terrestrial insect, the bumblebee *Bombus terrestris*

NEMATOLOGY

N01 **H. YILMAZ, L. WAEYENBERGE, I. DEMIR, Z. DEMIRBAĞ & M. MOENS** (Giresun University, Giresun, Turkey)

- Distribution of entomopathogenic nematodes (Rhabditida: Steinernematidae and Heterorhabditidae) from the eastern black sea region of Turkey

N02 **G.E. MUNÉRA URIBE, W. BERT, M. MOENS, G. BORGONIE,G. KARSSEN & W. DECRAEMER** (Ghent University, Gent, Belgium)

- Isozyme variability of *Meloidogyne* populations from Musaceae and fruit crops in Colombia

N03 **V. JEGATHAMBIGAI, M.D.S.D. KARUNARATNE, A. SVINNINGEN & G. MIKUNTHAN** (Green Farms Limited, Marawila, Sri Lanka)

- Bio control of root-knot nematode, *Meloidogyne incognita* damaging queen palm, *Livistona rotundifolia* using *Trichoderma species*

N04 **R. CAMPOS-HERRERA, S. LABRADOR & C. GUTIÉRREZ** (Centro de Ciencias Medioambientales, CSIC, Madrid, España)

- Virulence of spanish entomopathogenic nematodes strains against insect pests

N05 **T.R. STEFANOVSKA & L.M. KOKHANETZ** (National Agricultural University, Kiev, Ukraine)

- Occurance of black wine weevle in Ukrainian small fruit orchard and possibilities to control it using entomopathogenic nematodes in biocontrol

N06 **T.R. STEFANOVSKA & V. PIDLISNYUK** (National Agricultural University, Kiev, Ukraine)

- Host range and infectivity of *Heterorhabditis bacteriophora* (Heterorhabditidae) from Ukraine

N07 **A. HIRAO & R-U. EHLERS** (Christian-Albrechts-University, Kiel, Germany)

- Influence of inoculum density and temperature on development of *Steinernema carpocapsae* and *S. feltiae* in liquid culture

N08 **A. HOSSEINI, N. SAHEBANI, H. AMINIAN & P. ZAMANI** (Tirtash Reaserch and Education Center, Behshahr, Iran)

- Studying of relation between resistance and susceptibility of tobacco cultivars to root knot nematode *Meloidogyne incognita* with activity of peroxidase

APPLICATION TECHNOLOGY

A01 **C. JIANU, I. COCAN, C. RUJESCU & I. JIANU** (Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania)

- Colloidal competences of any polythyleneglycol conjugates

A02 **M. DE SCHAMPHELEIRE, M. KEYMEULEN, E. DE BACKER, D. NUYTTENS & P. SPANOGHE** (Ghent University, Gent, Belgium)

- Evaporation drift of pesticide active ingredients

POSTERS

A03 **D. NUYTTENS, K. BAETENS, M. DE SCHAMPHELEIRE, D. DEKEYSER & B. SONCK** (ILVO, Merelbeke, Belgium)

- Direct and indirect drift assessment means part 1: PDPA laser based droplet characterisation

A04 **D. NUYTTENS, M. DE SCHAMPHELEIRE, K. BAETENS, & B. SONCK** (ILVO, Merelbeke, Belgium)

- Direct and indirect drift assessment means part 2: wind tunnel experiments

A05 **D. NUYTTENS, M. DE SCHAMPHELEIRE, K. BAETENS, D. DEKEYSER & B. SONCK** (ILVO, Merelbeke, Belgium)

- Direct and indirect drift assessment means part 3: field drift experiments

A06 **D. NUYTTENS, K. BAETENS, M. DE SCHAMPHELEIRE & B. SONCK** (ILVO, Merelbeke, Belgium)

- Direct and indirect drift assessment means part 4: a comparative study

A07 **S. KABOODVANDPOUR & LUKE K-P. LEUNG** (University of Kurdistan, Kurdistan, Iran)

- Density thresholds for managing mouse damage to maturing wheat crops

PESTICIDE RESIDUES, EXPOSURE AND TOXICITY

R01 **B. HEREMANS, B. RYCKAERT, P. SPANOGHE, W. STEURBAUT & G. HAESAERT** (University College Ghent, Gent, Belgium)

- Effect of adjuvants on the efficacy of fungicides against *Fusarium* head blight

R02 **B. RYCKAERT, P. SPANOGHE, B. HEREMANS, G. HAESAERT & W. STEURBAUT** (Ghent University, Gent, Belgium)

- Herbicide application with ethoxylated adjuvants: residue levels in wheat and soil

R03 **S.N. AZIZI, M.J. CHAICHI & N. ASEMI** (Tirtash Reaserch and Education Center, Behshahr, Iran)

- The study of using some sorbents for adsorption of mancozeb residue from soil of tobacco fields of Mazandaran, Iran by analytical methods

R04 **H. EL BAKOURI, J. USERO, J. MORILLO & A. OUASSINI** (University of Seville, Seville, Spain)

- Recent advances in the phyto-adsorption of pesticides-contaminated ground water resources

R05 **T. DE WILDE, P. SPANOGHE, D. SPRINGAEL & J. RYCKEBOER** (Ghent University, Gent, Belgium)

- Retention and degradation of pesticides in a microscale biopurification system

R06 **WAN-HONG WANG, SHI-CHENG WANG & YAN-HONG WANG** (The Chinese Academy of Sciences, Shenyang, China)

- Assessment of herbicides and organochlorine pesticides contamination in agricultural soils using gas chromatography-mass spectrometry

R07 **GUO-CHEN LI, YAN-HONG WANG, SHI-CHENG WANG & REN-AN WU** (The Chinese Academy of Sciences, Shenyang, China)

- Offline combination of HPLC and maldi-tof MS for the analysis of phospholipids from crucian (*Carassius auratus*) muscle exposed to cadmium in farmland water

R08 **L. DONNARUMMA, V. POMPI, A. FARACI & E. CONTE** (CRA-Research Center on Plant Pathology, Rome, Italy)

- Uptake of organochlorine pesticides by zucchini cultivars grown in polluted soils

R09 **E. ALEXA, A. LAZUREANU, S. ALDA, M. NEGREA & O. IORDANESCU** (Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania)

- Researches regarding extractable glyphosate residues from different soils

R10 **S. SIRIARCHARUNGROJ, V. CHUAYSUWAN, V. BULLANGPOTI & C. SUDTHONGKONG** (Kasetsart University, Bangkok, Thailand)

- Investigation of acute toxicity of *Jatropha gossypifolia* L. (Euphorbiaceae) and *Cleome viscosa* L. (capparidacae) extract on guppies *Poecilia reticulata*

R11 **L. SAADI, N. LEBAÏLI & M. BEN YOUSSI** (Université SAAD DAHLEB, BLIDA, Algerie)

- Exploration of cytotoxic effect of malathion on some rat organs structure

R12 **R. MOSBAH, L. SAADI & N. LEBAÏLI** (Université de BOUMERDES, Algérie)

- Cytotoxic effects of lambda-cyhalothrin on the male rat exocrine sexuel function

R13 **J. TAVASZI, Á. PÁLOVICS & É. KORMOS** (University of Pannonia, Hungary)

- An alternative test battery in detecting ocular irritancy of agrochemicals

R14 **B.M. KEIKOTLHAILE, P. SPANOGHE & W.STEURBAUT** (Ghent University, Gent, Belgium)

- Effects of processing on fruits and vegetables: a review

R15 **F. WASSIE, W. STEURBAUT, D. AYELE, & P. SPANOGHE** (Ghent University, Gent, Belgium)

- Environmental and human health risk assessment of pesticide use in Jimma Zone, Ethiopia

POSTERS

HERBOLOGY

H01 **H. SAREMI & S.M. OKHOVVAT** (Zanjan University, Iran)

- Biological control of *Orobanche aegyptiaca* by *Fusarium oxysporum f*. sp *orobanche* in Northwest Iran

H02 **J. APER, T. DE MAREZ, E. MECHANT & R. BULCKE** (Ghent University, Gent, Belgium)

- Chlorophyll fluorescence tests for monitoring triazinone resistance in *Chenopodium album* L.

H03 **L. FODOR, É. LEHOCZKY, E. FODORNÉ FEHÉR & O. PÁLMAI** (Károly Róbert College, Hungary)

- Crop competitiveness influenced by seeding dates and top-dress nitrogen rates

H04 **É. LEHOCZKY, A. KISMÁNYOKY & T. NÉMETH** (University of Pannonia, Hungary)

- Nutrient absorption of weeds in maize

H05 **N. SARPE, M. MASCHIO & S. POIENARU** (Academy of Agricultural and Foresty Sciences, Bucharest, Romania)

- Economic efficiency of the no-tillage system applied on maize and genetically modified soybean crops in Romania's specific conditions

H06 **R. CHIRIŢĂ, I. GROZEA, N. ŞARPE & K.F. LAUER** (University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania)

- Control of *Sorghum halepense* (L.) Species in western part of Romania

H07 **S. ELŐD SÁRKÁNY, É. LEHOCZKY & P. NAGY** (University of Pannonia, Hungary)

- Study on the seed production and germination dynamic of common milkweed (*Asclepias syriaca* L.)

H08 **K. BUZSÁKI, É. LEHOCZKY & I. BÉRES** (University of Pannonia, Hungary)

- Study of the development of yellow nutsedge (*Cyperus esculentus* L.) with growth analysis

H09 **H. SODAEI ZADEH & P. VAN DAMME** (Ghent University, Gent, Belgium)

- Inhibitory effects of *Artemisia aucheri* on growth of *Convolvulus arvensis*

H10 **HAROON-UR-RASHID, A. AMIN, M. AZIM KHAN & NAZIM HUSSAIN** (NWFP Agricultural University Peshawar, Pakistan)

- Allelopathic effects of *Parthenium hysterophorus* L. extracts on seed germination and growth of maize and barley