

PROVISIONAL PROGRAMME 76th ISCP - 20 May 2025

Schedule (CEST)

08:00	REGISTRATION (building E, ground floor, Agora)
09:30-10:40	PLENARY SESSION (building E, first floor, room E1)
10:40-11:10	COFFEE BREAK (building E, ground floor, Agora)
11:10-12:30	ORAL SESSIONS (building E, first and second floor)
12:30-13:40	LUNCH (building E, ground floor)
13:40-14:40	POSTER SESSION (building E, all floors)
14:40-15:00	COFFEE BREAK (building E, ground floor, Agora)
15:00-17:20	ORAL SESSIONS (building E, first and second floor)
17:20-19:00	RECEPTION (building E, ground floor, Agora) POSTER AWARDS
19:30	EVENING DINNER het Pakhuis Schuurkensstraat 4, 9000 GENT

Plenary Session

Chair **B. DE CAUWER** (Ghent University, Ghent, Belgium)

Secretary **B. VANDEKERKHOVE** (Ghent University, Ghent, Belgium)

Auditorium E1 (OEHOE)

09:30 Introduction by the Ghent University vice-rector **M. VAN HERREWEGHE** and
symposium chair **B. DE CAUWER**

09:40 **S. ANDERT** (Julius Kühn-Institut, Braunschweig, Germany)

- Agro-ecological weed control: challenges and opportunities

10:15 **J. RODENBURG** (Wageningen University & Research, Wageningen, the Netherlands)

- Do parasitic weeds pose a threat to agriculture in NW Europe?

10:40 **Coffee Break**

Session Herbology

Chair: **J. RODENBURG** (Wageningen University & Research, Wageningen, the Netherlands)

Vice-chair: **B DE CAUWER** (Ghent University, Ghent, Belgium)

Secretary: **M. DE MEESTER** (Ghent University, Ghent, Belgium)

Auditorium E1 (OEHOE)

11:10 **N. MATHOT, H. RAZAFINDRALAMBO & H. JIJAKLI** (University of Liege, Gembloux, Belgium)

- Development of bioherbicides combining essential oils and organic acids

11:30 **M. BENICHON, D. HENNENS & T. PETERSEN** (FMC Int., Geneva, Switzerland)

- ISOFLEX™ Active A new isoxazolidinone herbicide: key highlights

11:50 **M. DE MEESTER, T. DE THEIJE, S. TEMMERMAN, S. COOL, D. NUYTTENS & B. DE CAUWER** (Ghent University, Ghent, Belgium)

- Bio-efficacy of blue diode laser weeding

12:10 **S. DE RYCK, I. ZWERTVAEGHER, D. NUYTTENS, J. VANWIJNSBERGHE, T. ANDARGIE ZEWDIE, P. VERBOVEN & B. DE CAUWER** (Ghent University, Ghent, Belgium)

- OPTISPRAY: effects of spray volume and nozzle type on the efficiency of foliar herbicides in controlling small weeds

Session Herbology

Chair: **B. DE CAUWER** (Ghent University, Ghent, Belgium)

Vice-chair: **S. DE RYCK** (Ghent University, Ghent, Belgium)

Secretary: **M. DE MEESTER** (Ghent University, Ghent, Belgium)

Auditorium E1 (OEHOE)

15:00 **K. ELSEN, K. BUNKENS & T. DE CLERCQ** (Praktijkpunt Landbouw Vlaams-Brabant, Herent, Belgium)

- Practice-oriented integrated weed management in witloof chicory cultivation

15:20 **J. DUTORDOIR, K. STEPPE, B. VANHOUTTE, S. REMY, W. VERJANS, A. GOMAND, T. BELIËN, T. THYS, W. ODEURS, J. VERELLEN & B. DE CAUWER** (Ghent University, Ghent, Belgium)

- Delineating the critical period for weed control in well-established low-stem pome fruit

15:40 **V. CLAEYS, J. LATRÉ, E. WAMBACQ, S. LANDSCHOOT, K. DEWITTE, V. DERYCKE & S. MAENHOUT** (HoGent, University for Applied Sciences and Arts of Ghent, Bottelare, Belgium)

- Weed control in sorghum in Flanders

16:00 **J. VAN BEEK, R. DAEMS, A. WILLEKENS, R. GODAERT, S. VERBESSELT & D. NUYTTENS** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)

- Relative labelling for fastened AI-based weed pressure detection

16:20 **J. FEYS, F. WALLAYS, D. REHEUL, D. CALLENS, J. LATRÉ, G. VAN DE VEN, S. CLERCX & B. DE CAUWER** (Ghent University, Ghent, Belgium)

- Effective long-term strategies for reducing *Cyperus esculentus* infestations

16:40 **J. BODYN & E. DENDAUW** (Viaverda, Kruisem, Belgium)

- The art of weed management in onion

Session
Soil Ecology and Ecotoxicology

Chair: **P. SPANOGHE** (Ghent University, Ghent, Belgium)

Vice-chair: **E. LOPEZ-DAVILA** (Ghent University, Ghent, Belgium)

Secretary: **M. RAIMONDI** (Ghent University, Ghent, Belgium)

Auditorium E2

11:10 **R. PETERS, J. VISSER, P. BRINKMAN, K. VAN ROZEN, A. MAGER, G. VAN OS & L.P.G. MOLENDIJK** (Wageningen University & Research, Lelystad, the Netherlands)

- Mechanisms of inundation and effects on soil parameters

11:30 **M. OSIPENKO, E. LHOSTE & C. DE CLERCK** (University of Liège, Gembloux, Belgium)

- Impact of biopesticides on soil microbial communities

11:50 **F. RUHLAND, I. LALAYMIA, E. DELAHAUT, C. RÉMY, L. DEKELVER, C. DETRAIN, S. DECLERCK & F.J. VERHEGGEN** (University of Liège, Gembloux, Belgium)

- Impact of entomopathogenic fungi on soil non-target species

12:10 **M. RAIMONDI & P. SPANOGHE** (Ghent University, Ghent, Belgium)

- Impact of pesticide pressure on carabid beetle diversity in maize and potato agroecosystems

Session
Agricultural entomology and acarology

Chair: **B. GOBIN** (Viaverda, Destelbergen, Belgium)

Vice-chair: **J. BONTE** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)

Secretary: **S. DE ROUCK** (Ghent University, Ghent, Belgium)

Auditorium E2

15:00 **A. SION & F. J. VERHEGGEN** (University of Liège, Gembloux, Belgium)

- «Love is in the Air»: Identification of the putative sex pheromone of four-spot ladybird *Harmonia quadripunctata*

15:20 **L. GLACET, G. NOËL, C. MARTIN, F.A.C. VAN NEERBOS, F. DELVIGNE & F. FRANCIS** (University of Liège, Gembloux, Belgium)

- Aphid honeydew microbiota and impact on chemical ecology at multitrophic levels

15:40 **J. VAN ITTERBEECK, T. PHUSAKON, C. BUAMAS, P. KLAIPRASITTI, N. PINKAEW, M. VAN DER BORGHT, D. VANDEWEYER, A. PEKAS, F. WÄCKERS, D. WIWATWITAYA & J. VANDEN BROECK** (KU Leuven, Leuven, Belgium)

- Chemical control does not outperform weaver ant biocontrol in Thai mango

16:00 **M. S. ÖZGÖKÇE, E. AĞCA, H. KARA & M. DOĞAÇ** (Van Yüzüncü Yıl University, Van, Türkiye)

- Population parameters of *Myzus persicae* in different pepper cultivars treated with *Trichoderma viride*

16:20 **B. LAEKEMAN, A. CHRISTIAENS, J. BONTE, W. DERMAUW, B. GOBIN, J. VAN HUYLENBROECK, E. DHOOGHE & P. LOOTENS** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO); Ghent University, Ghent, Belgium)

- LED's trap them all! – Alternative pest management using LED sticky traps in indoor farms

16:40 **I. BEN FEKIH, M. ONGENA, M. DELEU, M.-L. FAUCONNIER, K. DESSAUVAGES, L. GLACET, M.C. COKOLA & F. FRANCIS** (University of Liège, Gembloux, Belgium)

- Impact of beneficial microorganisms on aphidophagous hoverfly host choice-behaviour

Special Session
Low risk pesticides against diseases

Chair: **K. AUDENAERT** (Ghent University, Ghent, Belgium)

Vice-chair: **N. DE ZUTTER** (Ghent University, Ghent, Belgium)

Secretary: **L. ZHU** (Ghent University, Ghent, Belgium)

Auditorium E3

11:10 **M. VERHAEGEN, K. WYCKHUYS, K.-A. TEMPELMAN, A. DORADO GARCÍA-A, J. PINTO FERREIRA, J. SONG & B. GU** (Food and Agriculture Organization of the United Nations (FAO), Rome, Italy)

- Resolving data gaps and advancing low-risk alternatives to address the One Health risks of antimicrobials

11:30 **C. CARTON, J. ŠAFRAN, S. MOHANARAJ, R. ROULARD, J.-M. DOMON, S. BASSARD, N.B. FACON, B. TISSERANT, G. MONGELARD, L. GUTIERREZ, B. RANDOUX, M. MAGNIN-ROBERT, J. PELLOUX, C. PAU-ROBLT & A. LOUNÈS-HADJ SAHRAOUI** (Université de Picardie Jules Verne, Amiens, France; Université du Littoral Côte d'Opale, Calais Cedex, France)

- Enzymatic-controlled production and characterization of bio-based oligogalacturonides for application in wheat protection against powdery mildew

11:50 **S. MONTANARI, A. NESLER, C. LONGA & M. PERAZZOLLI** (University of Trento, Trento, Italy)

- Efficacy and mode of action of a sustainable fungicide against grapevine downy and powdery mildew

12:10 **C. BURGEON, N. BARBIEUX, M. DELEU, M.-L. FAUCONNIER & H. JIJAKLI** (University of Liège, Gembloux, Belgium)

- Fighting Cercospora leaf spot in sugar beet with essential oils

Session
Formulation and Application Technology

Chair: **P. SPANOGHE** (Ghent University, Ghent, Belgium)

Vice-chair: **E. LOPEZ-DAVILA** (Ghent University, Ghent, Belgium)

Secretary: **P. HOENDERVANGERS** (Ghent University, Ghent, Belgium)

Auditorium E3

15:00 **P. HUCORNE, J.A. FERNÁNDEZ PIERNA, G. ROUSSEAU, S. FOURMANOIR, Q. ARNOULD, D. DELHOTTE, V. BAETEN & O. PIGEON** (University of Liège, Gembloux, Belgium)

- Screening of counterfeit pesticides by Mid-infrared spectroscopy (MIR) and confirmation by chromatography (GC, LC, MS)

15:20 **I. ZWERTVAEGHER, T. ANDARGIE ZEWDIE, J. VANWIJNSBERGHE, B. DE CAUWER, S. DE RYCK, D. NUYTENS & P. VERBOVEN** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Mellebeke, Belgium)

- CFD model development for optimizing spray applications in winter wheat

15:40 **A. BARUA, T. ASHFIELD, K. MCDONALD-HOWARD, F. MCDIARMID & J.L. ROSS** (UK Agri-Tech Centre, Harington, United Kingdom)

- Improving pest slug monitoring and management using multispectral imaging

16:00 **F. RABIER, D. BREUSE, T. FIEVET, J. THEYS & Q. LIMBOURG** (Université de Liège, Gembloux, Belgium)

- How to assess the effectiveness of weeding of spot spraying systems?

Session
Phytopathology

Chair: **S. MASSART** (Université de Liège, Gembloux, Belgium)

Vice-chair: **K. DE JONGHE** (Flanders Research Institute for Agricultural Fisheries and Food (ILVO), Merelbeke, Belgium)

Secretary: **B.P. MARAHATTA** (Ghent University, Ghent, Belgium):

Auditorium E4

11:10 **E.J. SIKORA & K.N. CONNER** (Auburn University, Auburn, Alabama, U.S.A.)

- Neopestalotiopsis leaf spot and fruit rot, an emerging disease of strawberry in the U.S.

11:30 **J. VENNEMAN, S. BAEYEN, B. DE PAEPE, C. VAN MALDERGHEM & J. VAN VAERENBERGH** (Flanders Research Institute for Agricultural Fisheries and Food (ILVO), Merelbeke, Belgium)

- Uncovering the genetic diversity and pathogenic potential of *Curtobacterium flaccumfaciens* in legume and beet crops

11:50 **L. VAN CRANENBROECK, F. MAERTENS, M. HEYNEMAN, F. MACLOT, S. ÖNDER, S. OMMESLAG, A. BLOUIN, J. BRODARD, K. DE JONGHE & S. MASSART** (Université de Liège, Gembloux, Belgium)

- Phytosanitary challenges in Belgian viticulture: first data from virome surveys and producer interviews

12:10 **E. EVERAERT, M. HEYNEMAN, T. GOEDEFRUIT, I. STOCKMANS, A. WAUTERS, N. ROJAS-PRECIADO, B. LIEVENS, H. JACQUEMYN & K. DE JONGHE** (Flanders Research Institute for Agricultural Fisheries and Food (ILVO), Merelbeke, Belgium)

- Surveillance of sugar beet yellowing viruses and their aphid vectors in Flanders in a post-neonicotinoid era

Session
Phytopathology

Chair: **S. MASSART** (Université de Liège, Gembloux, Belgium)

Vice-chair: **K. DE JONGHE** (Flanders Research Institute for Agricultural Fisheries and Food (ILVO), Merelbeke, Belgium)

Secretary: **J. DE ROP** (Ghent University, Ghent, Belgium)

Auditorium E4

15:00 **J. CLAERBOUT & M. AMEYE** (Inagro vzw, Rumbeke-Beitem, Belgium)

- Using prediction tools to reduce fungicides for powdery mildew in strawberry

15:20 **S. HADIAN, D.L. SMITH & S. SUPRONIENĖ** (Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Kėdainiai, Lithuania)

- Exploring the potential of endophytic *Bacillus* strains to enhance biomass, photosynthetic efficiency, and microbial diversity in pea plants

15:40 **L. PESENTI & C. BRAGARD** (UCLouvain, Louvain-la-Neuve, Belgium)

- Assessing xylem endophytes interplay with *Xylella fastidiosa* or *Brenneria salicis*

16:00 **R. BEX, S. MARCOU, Y. SATO, F. MAGNUS, L. TYVAERT, T. DEPAEPE, S. GOETHALS, D. VAN DER STRAETEN, B.P.H.J THOMMA, K. STEPPE & M. HÖFTE** (Ghent University, Ghent, Belgium)

- Ethylene in the *Verticillium dahliae*-pepper interaction: defense or disease?

16:20 **E. DUTILLOY, G. DENEYER, N. COLLOT, P. DELAPLACE & P. JACQUES** (University of Liège, Gembloux, Belgium)

- Nitrate as a key nitrogen source to allow *Trichoderma harzianum* and *Bacillus velezensis* compatibility in biosolution development

16:40 **H. MESTDAGH, M. MAHILLON, K. HEUNGENS, M. HÖFTE & A. HAEGEMAN** (Ghent University, Ghent, Belgium)

- Effector dynamics in *Fusarium oxysporum* f. sp. *lactucae* race 4 and emerging race 4+

17:00 **J. DE ROP, L. ZHOU, B.P. MARAHATTA, N. GEUDENS, P. SPANOGHE, J.C. MARTINS & M. HÖFTE** (Ghent University, Ghent, Belgium)

- *Rhizoctonia solani* AG 1-IA secondary metabolites mediate *Pseudomonas syringae* toxin and fuscopeptin degradation

Session
Nematology

Chair: **R. PERRY** (University of Hertfordshire, Hatfield, Hertfordshire)

Vice-chair: **M.G. TEKLU** (Wageningen University and Research, Wageningen, The Netherlands)

Secretary: **N. EBRAHIMI** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)

Auditorium E5

11:10 **N. EBRAHIMI, A. GAMAMADA LIYANAGE DONA, N. DE SUTTER, T. GOEDEFROIT, A. DEEREN, K. DEMEULEMEESTER, V. DE BLAUWER, I. EECKHOUT, E. HEYMAN, J. RIVIÈRE, D. LANTERBECQ & N. VIAENE** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)

- Evolution of potato cyst nematode populations in Belgium

11:30 **R. FAESEN, J.-J. WILLIG, J. VOSSEN & M.G. TEKLU** (Wageningen University & Research, Wageningen, The Netherlands)

- Screening for novel sources of resistance to virulent *Globodera rostochiensis* populations in wild potato genotypes

11:50 **H.J. WILEMAN, R.N. PERRY & K.G. DAVIES** (University of Hertfordshire, Hatfield, United Kingdom)

- The perivitelline egg protein vitellogenin in *Heterodera schachtii*

12:10 **K. MCDONALD-HOWARD, C.D. WILLAIMS, H. JONES & R. RAE** (UK Agri-Tech Centre, Innovation Centre, Innovation Way, Heslington, United Kingdom)

- The effect of soil on the efficacy of a nematode-based biopesticide of slugs

Session
Nematology

Chair: **R. PERRY** (University of Hertfordshire, Hatfield, Hertfordshire)

Vice-chair: **M.G. TEKLU** (Wageningen University and Research, Wageningen, The Netherlands)

Secretary: **N. EBRAHIMI** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)

Auditorium E5

15:00 **V. ORLANDO, A. ELLIOTT, J. KAYE, Y.L. LOH, M. FIELDWICK, R. SINGH, C. MACEY, M. CORREIA, R. LAWSON & T. PRIOR** (Fera Science Ltd., York, United Kingdom)

- MelolDirect - *Meloidogyne* sp. identification directly from plant galls

15:20 **H. KEFELEGN, B.H. MERESSA, M. COUVREUR, W.M.L. WESEMAEL, M.G. TEKLU & W. BERT** (Ghent University, Ghent, Belgium)

- Diversity, population dynamics, damage thresholds and its implication for management of plant-parasitic nematodes associated with chickpea in Ethiopia

15:40 **P. BRINKMAN, F. KREUK, A. MAGER, A. MEISNER, P. RUIGROK, J. VISSER & L.P.G. MOLENDIJK** (Wageningen University and Research, Lelystad, the Netherlands)

- Host plant status of crops to *Paratrichodorus anemones*

16:00 **J.-J. WILLIG, C.C. VAN SCHAIK, R. FAESEN, M.G. STERKEN, M.G. TEKLU & G. SMANT** (Wageningen University and Research, Lelystad, the Netherlands)

- TolerAce mechanisms of arabidopsis to nematode stress: a species-specific perspective

16:20 **S. ASHRAFI, M. STADLER & W. MAIER** (Julius Kühn Institute (JKI), Braunschweig, Germany; Wageningen University & Research, Lelystad, the Netherlands)

- Novel nematode antagonistic fungi from cyst nematodes producing bioactive compounds

16:40 **A. CHACON-HURTADO, F. RUHLAND, C. MARTIN, R. CAMPOS-HERRERA & F.J. VERHEGGEN** (University of Liege, Gembloux, Belgium)

- Deadly scents: effect of entomopathogenic nematodes on host volatile emissions

Posters

Herbology

H-01 **A. HUBAUX & W. JORIS** (RBAB-KBIVB, Tienen, Belgium)

- Study of herbicide resistance development in chamomile populations from Conviso® smart sugar beet fields

H-02 **M.L. YAZIDI, Z.L.E. AKISSI, S. SAHPAZ & H. JIJAKLI** (University of Liège, Gembloux, Belgium)

- Phytochemical profiling and herbicidal potential of *Cynara cardunculus* L.

H-03 **K. MOUSSAOUI, K. BABA-AISSA & Z. DJAZOULI** (Saad Dahleb University of Blida, Blida, Algeria)

- Biological activity of essential oil formulated from cypress *Cupressus arizonica* from two regions of Algeria

Agricultural Entomology and Acarology

E-01 **D. PEETERS, L. SOETEMANS, L. BOSMANS, B. LIEVENS, H. JACQUEMYN & L. HERMAN** (Proefcentrum Hoogstraten, Meerle, Belgium)

- Assessing the potential of *Podisus maculiventris* as a biological control measure against *Nezara viridula*

E-02 **J. BERDY, P. N'SEVOLO, F.C FRANCIS & M.-L. FAUCONNIER** (University of Liège, Gembloux, Belgium)

- Protection of stored rice and maize against insect pests in rural communities in the Tshopo province, DRC, using ethnobotanical species *Scorodophleous zenkerii* and *Tetrapleura tetraptera*

E-03 **W. DESMEDT, J. BONTE, L. VAN REMOORTERE & J. MOENS** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Mellebeke, Belgium)

- Management of *Tipula paludosa* in turf: new solutions for an old problem

Posters

- E-04 **M. ASSIDI, S. EL HAJJAJI, D. IRAQI & F. MOKRINI** (Mohammed V University in Rabat, Rabat, Morocco)
- Farmers' perception, knowledge, and control attitudes of rodents infesting cereal growing areas in Morocco
- E-05 **J. BONTE, G. SAN MARTIN, S. HASBROUCQ, T. GOEDEFROIT, A. KUHN, M. DE SMET, L. HAUTIER & J.C. GRÉGOIRE** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)
- Towards a practicable monitoring protocol for native and non-native bark and ambrosia beetles in Belgium
- E-06 **W. DERMAUW, J. VAN AUTREVE, V. HUYSHAUWER, M. DE MEYER & J. BONTE** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)
- First occurrence of *Dacus frontalis* in Belgium: what's next?
- E-07 **B. BELAY, M. WALE, P. DE CLERCQ & E. DE LA PEÑA** (Ghent University, Ghent, Belgium)
- Population dynamics of the White Mango Scale and its natural enemies in Northern Ethiopia
- E-08 **A. BENRIMA, A. DJIDEL, I. DJEMAI & F. GUIRAA** (University of Ghardaia, Ghardaia, Algeria)
- Phytosanitary survey on the citrus leaf miner *Phyllocnistis citrella* Stainton (Insecta, Lepidoptera) in the Blida region (Algeria)
- E-09 **A. BENRIMA, I. DJEMAI & A. DJIDEL** (University of Ghardaia, Ghardaia, Algeria)
- Test of some toxic plants on the Desert Locust *Schistocerca gregaria* Forsk. (Insecta, Orthoptera)
- E-10 **F. GUIRAA, K. ABDALLAH, B. CHETTAH, D. MAHDJOUBI, F. OUTTAR, M. BELLATRECHE & A. BENRIMA** (University of Ghardaia, Ghardaia, Algeria)
- Diet of the desert locust *Schistocerca gregaria* (Forskål, 1775) (Orthoptera, Cyrtacanthacridinae) in a solitary state taken from the Algerian Sahara
- E-11 **L. DE WEVER, A. CHACON-HURTADO, F. RUHLAND, R. CAMPOS-HERRERA & F.J. VERHEGGEN** (University of Liege, Gembloux, Belgium)
- Follow a scent: Impact of odors emitted by insects infected with the nematode-bacteria complex on soil insect behavior.
- E-12 **M.SA. ÖZGÖKÇE, H. KARA, S. KHITLOV, M. DOĞAÇ, S. ÇAKMAK & G. KOYUNÇI** (Van Yüzüncü Yıl University, Van, Turkey)
- Effects of *Trichoderma harzianum* and *Chaetomium cupreum* on demography of *Myzus persicae* via Kapya Pepper Plant

Posters

E-13 **C. BURGEON, A. SEGERS, F. PIERQUIN, P. JACQUES, M.H. JIJAKLI, M.-L. FAUCONNIER, & F. FRANCIS** (University of Liège, Gembloux, Belgium)

- Developing essential oil based bioinsecticides against *Macrosiphum euphorbiae* (Thomas, C., 1878) Hemiptera: Aphididae) in tomato crops

E-14 **M. SAUVIGNET** (CERTIS BELCHIM, Marguerittes, France)

- Evaluation of a new biocontrol insecticide against key agricultural pests

E-15 **R.A. POLANCZYK, A.S. ANDRADE, K.C. GONÇALVES** (FCAV/UNESP, Jaboticabal, Brazil)

- In vitro compatibility of insecticides and Bt biopesticide to *Diatraea saccharalis*

E-16 **H. XIE, J. LINGHU, J. FENG, M. YU, H. XU, F. ZHU, T. YI, X. CHEN, G. SMAGGHE, T. LIU & S. GUI** (Guizhou University, Guizhou, China)

- The NPF receptor regulates larval foraging behavior and female adult oviposition-site choice in *Spodoptera frugiperda*

Phytopathology

P-01 **W. BOVEN, J. MOONS, C. BELLEN, A. CEUSTERMAN, W. VAN HEMELRIJCK, T. VANWALLEGHEM, M. HOLTAPPELS, D. BYLEMANS & B. DE CONINCK** (KU Leuven, Leuven, Belgium)

- A global approach to control pear scab

P-02 **K. VAN LOOKE, N. DE ZUTTER, K. AUDENAERT, B. DE CONINCK & M. HÖFTE** (Ghent University, Ghent, Belgium)

- Towards effective biocontrol of Phytophthora root rot in annual crops: A meta-analysis

P-03 **O. PARISIS, G. STOUVENAKERS, S. MASSART & M.H. JIJAKLI** (University of Liège, Gembloux, Belgium)

- Biocontrol and biostimulation potential of microbial consortia in soilless agriculture

P-04 **S. MARCOU, L. TYVAERT, J. MOYSE, S. DE CLERCQ, M. VAN CAUWENBERGHE, R. BEX, K. HEUNGENS, M. HÖFTE** (Ghent University, Ghent, Belgium)

- Evaluating *Verticillium isaacii* as a biocontrol agent against Verticillium wilt

Posters

- P-05 **S. BALTI, M. SOUIHI, I. AMRI & Y. MABROUK** (National Center for Nuclear Sciences and Technologies (CNSTN), Sidi Thabet, Tunisia)
- Biocontrol and promotion growth potential of some PGPR isolated from soil against Fusarium wilt of chickpea
- P-06 **R. RICARDO, S. CHAUDHARY, S.M.P. CARVALHO & M. KARLSSON** (University of Porto (FCUP), Porto, Portugal)
- Genetic variation in wheat for Fusarium foot rot and its biocontrol by *Clonostachys rosea*
- P-07 **B.P. MARAHATTA, E. FERRARINI & M. HÖFTE** (Ghent University, Ghent, Belgium)
- Temperature-regulated and cyclic lipopeptides mediated biocontrol in *Pseudomonas fuscovaginae*
- P-08 **L. VILAIN, M. GENVA & M.-L. FAUCONNIER** (University of Liège, Gembloux, Belgium)
- Plant hormones against pathogens: crosstalk and applied perspectives
- P-09 **K. MACHARIS, L. VLASSELAER, B. NEWMAN, W. SMETS, S. LEBEER, B. DE CONINCK** (KU Leuven, Leuven, Belgium)
- Harnessing strawberries' own microbes as a defense against fungal diseases
- P-10 **G. STOUVENAKERS & H.M. JIJAKLI** (University of Liège, Gembloux, Belgium)
- Development of an innovative bacterial biofungicide for controlling late blight and downy mildew: The AQUABIO start-up project
- P-11 **V. LECLERE, F. KRIER, F. AIT KOUJANE, M. ONGENA, S. GÖRGEN, L. LIPPENS, K. TOUGERON, L. WILLAERT, J. ALLAERT, E. AIT BARKA, J.-Y. PARFAIT, B. CHIRAYATH & P. JACQUES** (Université de Lille, Lille, France)
- Biocontrol 4.0: a portfolio of projects supported by INTERREG FWVL for developing biological alternatives to pesticides with the help of digital tools
- P-12 **K. BABA-AISSA, K. MOUSSAOUI, M. VERDEGUER & Z. DJAZOULI** (Saad Dahleb University of Blida, Blida, Algeria)
- Antifungal activity of the formulated essential oil of *Juniperus oxycedrus* L. on vascular Fusarium wilt of the date palm (*Phoenix dactylifera* L).
- P-13 **L. ZHOU, N. FENG, J. DE ROP, B.P. MARAHATTA, J.C. MARTINS & M. HÖFTE** (Ghent University, Ghent, Belgium)
- Biosynthetic regulation and antimicrobial activity of lipopeptides produced by *Pseudomonas mediterranea* edox and *Pseudomonas cichorii* sf1-54

Posters

- P-14 **F. MARTINI, C. BURGEON, J. MUCHEMBLE, E. GONTIER, M.-L. FAUCONNIER & H.M. JIJAKLI** (University of Liège, Gembloux, Belgium)
- Essential oils phytotoxicity on potato leaves prior to in vivo tests against late blight
- P-15 **L. VAN DEN BERGHE, C. BURGEON, S. DAL MASO, H.M. JIJAKLI** (University of Liège, Gembloux, Belgium)
- Description of an in vitro and in vivo combined methodology to determine the fungicidal activity of three essential oils against *Venturia inaequalis*
- P-16 **L. VALVEKENS, P. QUATAERT, J. DEBODE, A. BOGAERT, S. OMMESLAG, K. MAENHOUT, J.-M. RABASSE & A. HAEGEMAN** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)
- Tomato soil microbiome recovery after metam-sodium application
- P-17 **C. KUSHWAHA, D. SINHA, M. NASEEM, R.S. SINGH & C. KISHORE** (Bihar Agricultural University, Sabour, Bhagalpur, India)
- A biochemical and molecular insight into altered melanin synthesis in *Alternaria brassicicola* under warmer conditions and its impact on biology and its virulence.
- P-18 **S. ALI-AROUS, K. DJELOUAH, A. HOUARI, O.J. ALABI, M. SÉTAMOU & S.M. SANZANI** (University Hassiba Benbouali of Chlef, Ouled Fares Chlef, Algeria)
- First report of *Neodidymelliopsis ranunculi* causing foliar black spot on citrus leaves in orchards of Algeria
- P-19 **H. SCHOOF, C. VANMALDERGHEM, T. SMETS, J. VENNEMAN, S. BAEYEN, J. VAN VAERENBERGH, B. COTTYN, M. HOLTAPPELS, D. BYLEMANS** (Proefcentrum Fruitteelt vzw, Sint-Truiden, Belgium)
- Monitoring *Pseudomonas syringae* in Belgian pear and cherry orchards: insights from the 2024 outbreak
- P-20 **E. EVERAERT, K. DE JONGHE, D. SLOS, Y. FOUCART, M. HEYNEMAN & A. HAEGEMAN** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)
- Detection and identification of phloem bacteria using ONT (meta)barcoding
- P-21 **E. EVERAERT, D. SLOS, Y. FOUCART, M. HEYNEMAN, A. CHANDELIER & A. HAEGEMAN** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke, Belgium)
- Detection and identification of fungal pathogens using MinION metabarcoding
- P-22 **I. DEWITTE, M. HEYNEMAN, Y. FOUCART, K. DE JONGHE & S.P.O. WERBROUCK** (Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Merelbeke; Ghent University, Ghent, Belgium)
- Comparing Illumina and ONT sequencing for plant virus detection

Posters

P-23 **M. MITIKU, A. CHALA & Y. REZENE** (Areka Agricultural Research Center, Areka, Ethiopia)

- Genotypic and virulence characterization of *Xanthomonas axonopodis* pv.phaseoli and *Xanthomonas axonopodis* pv.phaseoli var.fuscans, and reaction of back cross four (bc4) common bean population to common bacterial blight

P-24 **L. VAN BUREN, M. ONGENA & B. DE CONINCK** (KU Leuven, Leuven, Belgium)

- Plant immunity priming at small metabolic cost with cyclic lipopeptides

P-25 **A. VAN DEN BERGHE, L. VAN BUREN, M. ONGENA & B. DE CONINCK** (KU Leuven, Leuven, Belgium)

- Unravelling the molecular basis of plant immunity priming by bacterial cyclic lipopeptides

P-26 **G. RACE, M. GENVA, M. ONGENA & M.-L. FAUCONNIER** (University of Liège, Gembloux, Belgium)

- Unravelling the roles of surfactin in plant responses to stress

P-27 **M. MAHILLON, Y. SATO, B. THOMMA, K. AUDENAERT & M. HÖFTE** (Ghent University, Ghent, Belgium)

- Pangenome analyses of the *Sarocladium oryzae* species complex

P-28 **F. MARCHANDISE, M. GENARD, C. PIERRET, S. EL MASSOUDI, A. WAUTERS, A. DECROËS, A. LEGREVE & C. BRAGARD** (Corder ASBL, Louvain-la-Neuve, Belgium)

- Recent identification of BNYVV resistant-breaking strains in Belgium

P-29 **M. QUIEVREUX, C. DE CLERCK, P. JACQUES, S. MASSART & P. DELAPLACE** (University of Liège, Gembloux, Belgium)

- Soil microbiota affects plant growth promotion of beneficial rhizobacteria

Nematology

N-01 **M.G. TEKLU, B. EVENHUIS, J.M. CODINA, L. CAARLS, R. FAESEN, J.-J. WILLIG, G. BRADER & L. TAMM** (Wageningen University and Research, Wageningen, The Netherlands)

- SAGROPIA: Sustainable agriculture through novel pesticides using an integrated approach

N-02 **S. PROUMEN DE KEYSER, M.S. SANCHEZ, M. DEVEUX, T. KYNDT, B. DE RYBEL & T. BEECKMAN** (VIB Center for Plant Systems Biology, Ghent, Belgium)

- Small molecule screening to identify crop-protective compounds against nematodes

Posters

- N-03 **E.M. BOUCHTAOUI, A. SMOUNI, D. IRAQI, A.A DABABAT & F. MOKRINI** (National Institute of Agricultural Research, Rabat, Morocco)
- Damage threshold and population dynamic of *Meloidogyne javanica* on tomato plant
- N-04 **S. GETACHEW, M. COUVREUR, B. MERESSA, A. ASEFFA, M. TEKLU & W. BERT** (Ghent University, Gent, Belgium)
- Distribution and diversity of plant-parasitic nematodes associated with soybean (*Glycine max* L.) in southwest Ethiopia
- N-05 **M MITIKU, G. GUDERO2, S. MEKONEN, Z. YEMATAW, B.H. MERESSA, A. BEKELE, T. MAGULE & S. MUZEMIL7** (Areka Agricultural Research Center, Areka Ethiopia)
- Occurrence and prevalence of plant parasitic nematodes in Enset and Banana crops in southwest Ethiopia
- N-06 **G. UYSAL, I. MISTANOĞLU, T. ÖZALP & Z. DEVRAN** (Batı Akdeniz Agricultural Research Institute; Akdeniz University, Antalya, Turkey)
- Density of spiral nematodes (*Helicotylenchus* spp.) and root knot nematodes (*Meloidogyne* spp.) in new constructed banana greenhouse plantation in Antalya province

Formulation and Application Technology Soil Ecology and Ecotoxicology

- F-01 **M. ANNET, B. DURENNE, G. BERGIERS, B. HUYGHEBAERT** (Walloon Agricultural Research Centre (CRA-W), Gembloux, Belgium)
- ISAC+: an indicator to monitor pesticide risk at farm level
- F-02 **A. SAKHO, M. BAKAR DIOP, C. BASSENE, S. MBACKÉ DIOP, M. TALLA GUEYE, C. BURGEON, M. GENVA, F. FRANCIS & M.-L. FAUCONNIER** (University of Liege, Gembloux, Belgium)
- Enhancing essential oil production and yield using full factorial design and response surface methodology
- F-03 **R. DHOMMÉE, M. OSIPENKO, P. DELAPLACE & C. DE CLERCK** (University of Liège, Gembloux, Belgium)
- Reducing pesticide environmental contamination by using the degradative microbial potential in an agricultural context.

Posters

F-04 **G. BUJAVICIUTE, M. RAIMONDI & P. SPANOGHE** (Ghent University, Ghent, Belgium)

- Assessing pesticide pressure on pollinators: a novel approach using pan trap water and bumblebee analysis

F-05 **E. DUTILLOY, P. JACQUES & J.-Y. PARFAIT** (University of Liège, Gembloux, Belgium)

- Digibiocontrol, a Walloon network to promote the digital and biocontrol alliance for a more sustainable agriculture