XVII Symposium on Pesticide Chemistry



Advances and New Challenges PIACENZA 4-6 SEPTEMBER 2024

10.20 - 10.50

10.50 - 13.10

Session V

Chairs

One health

13.10 - 13.30

13.30

Jean-Lou Dorne Ettore Capri

Coffee break and Poster Session

SCHAEFER Dieter, Bayer AG

VOLTZ Marc, INRAE

10.50 - 11.10

11.10 - 11.30

11.30 - 11.50

11.50 - 12.10

12.10 - 12.30

12.30 - 12.50

12.50 - 13.10

Take away lunch

Final remarks and Awards

Final I	Program
Tuesday	September 3
13.00 - 14.00 17.00 - 19.00	Symposium registration
14.00 - 18.00	Symposium Workshop "Quantitative mitigation of runoff of pesticides in regulatory assessments with VFSMOD"
Wednesday	September 4
8.30 - 9.50	Symposium Registration
9.50 - 10.00	Opening ceremony
10.00 - 10.40	Plenary lecture - <i>Is the use of pesticides a real problem for human health and the environment?</i> Prof. Marco Trevisan - Dean of the Faculty of Agricultural, Food and Environmental Sciences, Università Cattolica del Sacro Cuore
10.40 - 12.40	10.40 - 11.00 Development of indicators to identify signals of adverse effects on groundwater quality related to specific plant protection products uses in France, BARAN Nicole, French Geological Survey
Session I Pesticides behavio	11.00 - 11.20 Heterogeneous atmospheric reactivity of pesticides currently used in viticulture, BOULOS Samia, Aix-Marseille University
at microscopic lev	11.20 - 11.40 Measuring Pesticides in the Atmosphere: Current Status, Emerging Trends and Future Perspectives, BRÜGGEMANN Martin, Bayer 11.40 - 12.00 Agricultural management practices influences mineralisation of the herbicides bentazone and clopyralid, LARSBO Mats, Swedish University
Michael Raimondi Fabrice Martin	of Agricultural Sciences 12.00 - 12.20 NYROP ALBERS Christian, Geological Survey of Denmark and Greenland
Lucrezia Lamastra	12.20 - 12.40 Pesticide residues in soil - a comprehensive survey throughout a complete growing season, VELOSO Abel, Wageningen Environmental Research
12.40 - 14.10	Lunch
14.10 - 15.50	14.10 - 14.30 Insights into European pesticide monitoring data in aquatic systems and evaluation of corresponding exposure assessment models, SCHARLACH Paula, Osnabrück University
Session II Modelling pesticid	14 30 - 14 50 Let the monitoring data speak Groundwater vulnerability assessment for pesticides in Germany using machine learning COOKE Appe-Karin
fate, exposure, and effects	14.50 - 15.10 A new generation of Spatially Distributed pesticide Leaching Models, TIKTAK Aaldrik, PBL Netherlands Environmental Assessment Agency
Chairs Bernhard Gottesbü	
Rafael Munoz-Carp Nicoleta Alina Suci	efficiency Programs P
15.50 - 16.20	Coffee break and Poster Session
16.20 - 17.20	16.20 - 16.40 Novel sunlight-powered pesticide conjugates for a more sustainable crop protection, BENDINELLI NÚÑEZ Alberto, Regensburg University 16.40 - 17.00 The use of total residue declines as a surrogate for dislodgeable foliar residue (DFR) decline, BADAWY Mohamed, Corteva Agriscience
Session II Modelling pesticid	
fate, exposure, and effects	
Chairs Bernhard Gottesbü	
Rafael Munoz-Carp Nicoleta Alina Suci	
17.20 - 20.30	Poster Session and Welcome Party
Thursday	September 5
9.00 - 10.20	9.00 - 9.20 Drift from Patch Spraying: an Approach to Regulatory Aquatic Exposure and Risk Assessment, BOLEKHAN Anastasiia, Bayer AG 9.20 - 9.40 Plot-scale modeling of pesticide fate in soil, water and air, taking into account intra-field heterogeneity in vineyard plots, DAGÈS Cécile, INRAE
Session II Modelling pesticid	
fate, exposure, and effects	10.00 - 10.20 Spray drift of glyphosate from herbicide spraying train has significant but minor impact on vegetation close to railway tracks, CEDERLUND Harald, Swedish University of Agricultural Sciences
Chairs Bernhard Gottesbü Rafael Munoz-Carp	ren , G
Nicoleta Alina Suci	
10.20 - 10.50	Coffee break and Poster Session
10.50 - 12.30	10.50 - 11.10 MACRO 5 Multithreading for the CRD UK higher-tier drainflow tool, WEBER Denis, Exponent International Ltd 11.10 - 11.30 Catchment vulnerability ranking for losses of pesticides to surface waters: development and application of a spatial GIS-model to Flanders
Session II Modelling pesticid fate, exposure,	(Belgium), BROSENS Liesa, VITO 11.30 - 11.50 New insights into aquatic risk assessment at catchment scale: experiences from scenario development and model application, MULTSCH
and effects	Sebastian, BASF SE 11.50 - 12.10 TOXSWA simulates pesticide exposure in amphibian ponds with strongly variable water depths, BELTMAN Wim, Wageningen Environmental
Chairs Bernhard Gottesbü Rafael Munoz-Carp	ren Research
Nicoleta Alina Suci	
12.30 - 14.00	Lunch
14.00 - 15.20 Session III	14.00 - 14.20 Bentazone in Belgian groundwater. trends, effectiveness of mitigation measures and development of interactive Bentazone vulnerability map, BROSENS Liesa, VITO
Pesticide Risk mitigations	14.20 - 14.40 Case study – Example of a spot application on thistles in a sugar beet field. Linking the practice to the GAP table and implications for the risk assessment, DE CIRUGEDA HELLE Olivier, Corteva Agriscience
measures (RMMs): efficacy	14.40 - 15.00 Introduction to the work of the European Precision Application task Force (EUPAF), GOTTESBÜREN Bernhard, Make-sense Consulting 15.00 - 15.20 Pesticide Runoff Going down the Drains, HOLTEN Roger, Norwegian Institute of Bioeconomy Research
evaluation and implementati	on
Chairs Aaldrik Tiktak	
Marc Voltz Maura Calliera	
15.20 - 15.50	Coffee break and Poster Session
15.50 - 17.30	15.50 - 16.10 Mitigating glyphosate levels in surface waters: long-term assessment in an agricultural catchment in Belgium, JORIS Ingeborg, VITO
Session III Pesticide Risk	16.10 - 16.30 H2Ot-Spot Manager NRW, a web-based tool to assess environmental risk of pesticides and the impact of mitigation measures, STRASSEMEYER Jörn, Julius Kühn-Institut
mitigations measures	16.30 - 16.50 Precision Application of Plant Protection Products: Risk Assessment Approaches and Potential as Risk Mitigation Measures, MACKAY Neil, FMC Agro Ltd. 16.50 - 17.10 Modelling the Reduction Effect of Spot Applications on Pesticide Runoff Losses from Fields with a PRZM-VFSMOD Coupling and a 2D Probabilistic
(RMMs): efficacy evaluation	Framework, MUNOZ-CARPENA Rafael, University of Florida
and implementati	on 17.10 - 17.30 Spot Spraying in Vegetable Row Crops: Quantification of Environmental Exposure Reduction with Targeted Application, WITSOE Joshua, Agroscope
Aaldrik Tiktak Marc Voltz Maura Calliera	
20.00	Gala Dinner
Friday	September 6
9.00 - 10.20	9.00 - 9.20 A combination of sporogenic Bacillus sp. with biocontrol activity and essential oil products improves control of tomato diseases caused by
Session IV	Alternaria sp. and Phytopthora sp., ANTINORI Maria Elena, Università Cattolica del Sacro Cuore 9.20 - 9.40 Rhizobacterial Consortia as Sustainable Biocontrol Agents Against Alternaria spp. in Tomato Cultivation: From In Vitro Screening to In Planta
BioSolutions Chairs	Efficacy, BELLOTTI Gabriele, Università Cattolica del Sacro Cuore 9.40 - 10.00 Characterization of essential oil PMoA as a key tool to improve their practical use, FITTIPALDI Monica, Università Cattolica del Sacro Cuore
Luigi Lucini Maria Elena Antino Tito Caffi	·
10.00 10.50	Coffee break and Bester Cossien

In-silico Prediction of Dislodgeable Foliar Residues and Regulatory Implications, BADAWY Mohamed, Corteva Agriscience

Expert perspectives on pesticide regulatory processes from Aotearoa New Zealand and Europe, MUELLER Karin, Plant & Food Research

Proposing Data Quality Criteria for Environmental Stressor Identification on Insect Biodiversity, RATHJENS Hendrik, Stone Environmental The initial exposure assessment as key step in the new EU Drinking Water Treatment Guidance: First experiences and open questions,

A participative and holistic approach to build sustainable vineyard management strategies and assess their environmental impacts,

Next Generation Risk Assessment applied to Nanopesticides, KAH Melanie, The University of Auckland

Persistence and mobility assessment of plant protection products within the framework of the new hazard classes PMT/vPvM, JENE Bernhard, BASF SE