



4th European
conference on
Xylella
fastidiosa
2023

Researching sustainable solutions

Lyon, 19 – 20 August 2023

Conference programme

Venue: Lyon Convention Centre, 50 quai Charles de Gaulle – 69006 Lyon (FR)

Saturday 19th August 2023

18.00-20.00 Registration and posters hanging

18.30-20.00	Welcome and networking reception of the 4th European conference on <i>Xylella fastidiosa</i>
20.00-21.15	Screening of the documentary movie on <i>Xylella fastidiosa</i> "IL TEMPO DEI GIGANTI" ("THE ERA OF GIANTS", in Italian with English subtitles) a film by Davide Barletti and Lorenzo Conte, produced by Dinamo Film and Fluid Produzioni, distributed internationally by Summerside Media

Sunday 20th August 2023

08.00-09.00 Registration and posters hanging

SESSION 1 – Current status and research updates on <i>Xylella fastidiosa</i> in the EU		
Chairs: Blanca B. Landa (BeXyl project coordinator, Institute for Sustainable Agriculture (IAS) of the Spanish National Research Council (CSIC), Spain) and Giuseppe Stancanelli (European Food Safety Authority (EFSA))		
09.00-09.10	Welcome and brief introduction to the conference	
09.10-09.20	Current pest status of <i>X. fastidiosa</i> in the European Union	Maria Belen Marquez Garcia Directorate General for Health and Food Safety (DG SANTE), European Commission
09.20-09.30	The current status of <i>X. fastidiosa</i> in Salento (Italy): are we approaching a new phase of the epidemic?	Donato Boscia Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR), Italy
09.30-09.40	Comparative genomics of <i>X. fastidiosa</i> subsp. <i>multiplex</i> strains from France reveals pathogen dynamics after its introduction	Jessica Dittmer National Institute for Agriculture, Food and the Environment (INRAE), France

09.40-09.50	<i>X. fastidiosa</i> infection alters the xylem microbiota in wild and cultivated olive trees	Manuel Anguita-Maeso* University of North Carolina, United States, and Institute for Sustainable Agriculture (IAS) of the Spanish National Research Council (CSIC), Spain <i>*EFSA Young Researchers' Initiative</i>
09.50-10.00	What is the risk of <i>X. fastidiosa</i> to establish in temperate European regions - a Belgian case study	Lena Pesenti* Université Catholique de Louvain (UCLouvain), Belgium <i>*EFSA Young Researchers' Initiative</i>
10.00-10.30	Q&A and discussion	
10.30-11.00	Coffee/Tea break	
SESSION 2 – Latest findings on <i>Xylella fastidiosa</i> resistance and control		
Chairs: Stéphane Compant (AIT Austrian Institute of Technology, Austria) and Maria Saponari (Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR), Italy)		
11.00-11.10	How many plant species can <i>X. fastidiosa</i> infect? An update from the EFSA host plants database	Giuseppe Stancanelli European Food Safety Authority (EFSA)
11.10-11.20	Identification and characterization of a <i>X. fastidiosa</i> resistant almond genotype	Ofir Bahar Agricultural Research Organization (ARO), Volcani Center, Israel
11.20-11.30	Enhancing rootstock-mediated systemic immunity against Pierce's Disease in grafted Chardonnay	Renata Assis* University of California (UC) - Davis, United States <i>*EFSA Young Researchers' Initiative</i>
11.30-11.40	Novel target-oriented peptides with potential for infection control strategies against <i>X. fastidiosa</i>	Luis Alejandro Moll dos Santos Institute of Food and Agricultural Technology (INTEA), University of Girona (UdG), Spain
11.40-11.50	Grapevines primed with lipopolysaccharide demonstrates systemic resistance to Pierce's disease and reveals an important peroxidase mechanism linked to the immune memory	Nancy Her* University of California (UC) - Riverside, United States <i>*EFSA Young Researchers' Initiative</i>

11.50-12.00	High prevalence of resistant genotypes to <i>X. fastidiosa</i> in natural olive resources derived from the cultivar Leccino	Pasquale Saldarelli Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR), Italy
12.00-12.30	Q&A and discussion	
12.30-14.30	Lunch break and POSTERS SESSION	
12.40-13.30	<i>Presentation of posters with odd numbers</i>	
13.30-14.20	<i>Presentation of posters with even numbers</i>	
SESSION 3 - <i>Xylella fastidiosa</i> vectors biology		
Chairs: Rodrigo Almeida (University of California (UC) - Berkeley, United States) and Astrid Cruaud (National Institute for Agriculture, Food and the Environment (INRAE), France)		
14.30-14.40	Reproductive biology and egg parasitoids of <i>Philaenus spumarius</i>	Nicola Bodino* Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR), Italy <i>*EFSA Young Researchers' Initiative</i>
14.40-14.50	Factors driving insect vector presence, abundance and pathogen transmission: the case of <i>P. spumarius</i> and <i>Neophilaenus campestris</i>	Júlia López-Mercadal Universitat de les Illes Balears (UIB), Spain
14.50-15.00	Ecological aspects of spittlebugs of the genus <i>Clastoptera</i> (Hemiptera: Cercopoidea: Clastopteridae), possible vectors of <i>X. fastidiosa</i> in olives in southeastern Brazil	João R.S. Lopes College of Agriculture Luiz De Queiroz (ESALQ), University of Sao Paulo (USP), Brasil
15.00-15.10	Ability of glassy-winged sharpshooter to acquire <i>X. fastidiosa</i> subsp. <i>pauca</i> from ripe olive varieties grown in California, USA	Lindsey Burbank US Department of Agriculture (USDA), Agricultural Research Service (ARS), United States
15.10-15.20	Degree-day-based model to predict egg hatching of <i>P. spumarius</i> (Hemiptera: Aphrophoridae), the main vector of <i>X. fastidiosa</i> in Europe	Alberto Fereres Institute of Agricultural Sciences (ICA) of the Spanish National Research Council (CSIC), Spain
15.20-15.30	Vectors as sentinels of plant diseases in a changing world: rising temperatures increase the risk of <i>X. fastidiosa</i> outbreaks	Astrid Cruaud National Institute for Agriculture, Food and the Environment (INRAE), France
15.30-16.00	Q&A and discussion	
16.00-16.30	Coffee/Tea break	

SESSION 4 - Tools for *Xylella fastidiosa* surveillance and detection

Chairs: Claude Bragard (Chair of EFSA Panel on Plant Health, Université Catholique de Louvain (UCLouvain), Belgium) and **Valérie Grimault** (European and Mediterranean Plant Protection Organization (EPPO))

16.30-16.40	Use of plasmid profiles in epidemiological surveillance of <i>X. fastidiosa</i> outbreak in the Valencian Community, Spain	Maria del Pilar Velasco-Amo* Institute for Sustainable Agriculture (IAS) of the Spanish National Research Council (CSIC), Spain *EFSA Young Researchers' Initiative
16.40-16.50	Early detection of <i>X. fastidiosa</i> infection using reflectance proximal sensors in almond and olive trees	Miguel Román-Écija* Institute for Sustainable Agriculture (IAS) of the Spanish National Research Council (CSIC), Spain *EFSA Young Researchers' Initiative
16.50-17.00	Detection of symptoms induced by <i>X. fastidiosa</i> with high-resolution multispectral satellite data: assessment with airborne hyperspectral imagery	Tomas Poblete University of Melbourne, Australia
17.00-17.10	RiPEST: EFSA develops a tool for designing more robust and harmonized pest surveys in the EU	Alice Delbianco European Food Safety Authority (EFSA)
17.10-17.20	Delimiting survey of <i>X. fastidiosa</i> subsp. <i>multiplex</i> : bringing together multidisciplinary expertise to support risk management	Pauline De Jerphanion French General Directorate for Food (DGAL), French Ministry of Agriculture, and French Epidemiological Plant Health Surveillance Platform, France
17.20-17.30	Evaluation of outbreak response plans for <i>X. fastidiosa</i> in Alicante, Spain	Martina Cendoya Valencian Institute for Agricultural Research (IVIA), Spain
17.30-18.00	Q&A and discussion	

CLOSING REMARKS

Chairs: Blanca B. Landa (BeXyl project coordinator, Institute for Sustainable Agriculture (IAS) of the Spanish National Research Council (CSIC), Spain) and **Giuseppe Stancanelli** (European Food Safety Authority (EFSA))

18.00-18.30	Closing remarks and wrap-up
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