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XF ACTORS Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy

3rd European conference on Xylella fastidiosa 2021

XF ACTORS

Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy

3rd European conference on *Xylella fastidiosa* and XF-ACTORS final meeting

Building knowledge, protecting plant health

E-poster session

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Social media poster competition

The social media poster competition has the dual function of providing a remote environment for the conference poster session and rewarding the authors of the most interesting and/or best presented work.

The week before the event, all the posters will be published on the open access platform Zenodo. Over the following days, each poster will be presented on Twitter by @Plants_EFSA with a single tweet indicating the active DOI of Zenodo where the poster and its abstract can be found.

From then on, it will be the responsibility of the poster authors to check for questions under their @Plants_EFSA poster tweet and promote it by adding more material and information under the original tweet. Keeping conversations and exchanges under the initial tweet means that all interactions will be easily traceable. In fact, the Twitter activity will be calculated using the "social interaction value" related to the first @Plants_EFSA poster tweet: number of likes + (number of retweets *2) + (number of replies *3).

The Twitter analytics will be downloaded on Thursday 29 April at midnight and the winner(s) announced on Friday morning.
EFSA will record a web interview with the winner that will be published on EFSA's YouTube EFSAchannel and promoted on Twitter after the conference.

Blue-shaded posters are contributions from the H2020 XF-ACTORS project.

POSTER SESSION: Pathogen biology, ecology and genetics

Title	Presenter	DOI
Pathogenicity of *Xylella fastidiosa* subsp. multiplex isolates from Alicante outbreak (mainland Spain) on different hosts	**Domingo-Calap M.L.**, IVIA, Valencia (ES)	https://doi.org/10.5281/zenodo.4678347
Characterization of anti-*Xylella* endolysins from genomic data. A preliminary insight into the identification of novel antimicrobial molecules.	**Rosselli R.**, University of Alicante, Alicante (ES)	https://doi.org/10.5281/zenodo.4674618
Natural competence and homologous recombination among *Xylella fastidiosa* strains	**Liu R.**, Auburn University, Auburn (US)	https://doi.org/10.5281/zenodo.4678393
Application of phage display: development of tools to fight against *Xylella fastidiosa*	**Favelin N.**, Génie Enzymatique et Cellulaire (CNRS UMR 7025), Université de Technologie de Compiègne (FR)	10.5281/zenodo.4678824
Genetic diversity of *Xylella fastidiosa* subsp. *fastidiosa* after invasion to a new region	**Tsai C.W.**, National Taiwan University, Taipei (TW)	https://doi.org/10.5281/zenodo.4678826
Csp1, a cold-shock protein homolog in *Xylella fastidiosa* is involved in stress response and biofilm formation	**Wei W.**, USDA Parlier, CA (US)	https://doi.org/10.5281/zenodo.4678828
Xylella fastidiosa in the Balearic Islands: a genetic diversity hotspot in Europe	**Moralejo E.,** Empresa de Transformación Agraria (Tragsa), Delegación de Baleares, Palma de Mallorca (ES)	https://doi.org/10.5281/zenodo.4679324
Phenotypic characterization of Spanish strains of *Xylella fastidiosa* subsp. fastidiosa ST1	**Velasco-Amo M.P.,** Institute for Sustainable Agriculture, Spanish National Research Council (IAS-CSIC), Córdoba (ES)	https://doi.org/10.5281/zenodo.4679328
Detection of recombination events in *Xylella fastidiosa* genomes of different Spanish strains	**Arias-Giraldo L.F.**, Institute for Sustainable Agriculture, Spanish National Research Council (IAS-CSIC) (ES)	https://doi.org/10.5281/zenodo.4679344
MqsR-dependent regulon of *Xylella fastidiosa* modulates stress tolerance and persister cell formation	**Carvalho I.G.B.**, Centro de Citricultura Sylvio Moreira Agronomic Institute (IAC) (BR)	https://doi.org/10.5281/zenodo.4679346
A model and image based investigation of *X. fastidiosa* within host dynamics	**Walker N.,** Bioengineering Sciences Research Group, Faculty of Engineering and Physical Sciences, University of Southampton, Southampton (UK)	https://doi.org/10.5281/zenodo.4679488

The challenge of searching for *Xylella fastidiosa* genetic diversity in its natural habitats	**Moralejo E.**, Empresa de Transformación Agraria (Tragsa), Delegación de Baleares, Palma de Mallorca (ES)	**https://doi.org/10.5281/zenodo.4679495**

POSTER SESSION: Host plant-interactions and search for resistant/tolerant germplasm

Title	**Presenter**	DOI
Broth media cultivation of xylem microbiome from cultivated olive trees	**Anguita-Maeso M.**, Institute for Sustainable Agriculture, Spanish National Research Council (IAS-CSIC), Córdoba (ES)	**https://doi.org/10.5281/zenodo.4672520**
Transcriptome profiling of two coffee varieties in response to infection with an endemic *X. fastidiosa* subsp. *fastidiosa* strain from Costa Rica	**Chacón-Díaz C.**, Universidad de Costa Rica, San José (CR)	**https://doi.org/10.5281/zenodo.4673078**
Study of the complementation of *xylella fastidiosa* causing CVC with a functional polygalacturonase enzyme and its impact on bacterial physiology	**Costa M.R.L.**, Centro de Citricultura Sylvio Moreira Agronomic Institute (IAC), Cordeirópolis (BR)	**https://doi.org/10.5281/zenodo.4674519**
The new update of the European Food Safety Authority database of *Xylella* spp. host plant species	**Delbianco A.,** Animal and Plant Health Unit, European Food Safety Authority, Parma (IT)	**https://doi.org/10.5281/zenodo.4673057**
Attempts for improving protocol to phenotype olive cultivars responses to *Xylella fastidiosa* infections	**Loconsole G.**, Institute for Sustainable Plant Protection, CNR, Bari (IT)	**https://doi.org/10.5281/zenodo.4672469**
Genetic characterization of different Vitis species using SSR markers associated with the resistance gene PdR1	**Martínez-Cabero S.,** NEIKER- Instituto Vasco de investigación agraria, Arkaute (ES)	**https://doi.org/10.5281/zenodo.4674318**
Search for crop species immune to *Xylella fastidiosa* subsp. *pauca*, ST53	**Montilon V.,** University of Bari Aldo Moro, Department of Soil, Plant and Food Sciences, Bari (IT)	**https://doi.org/10.5281/zenodo.4674457**
Evaluation of xylem vascular occlusions in olive cultivars infected with *xylella fastidiosa*	**Montilon V.,** University of Bari Aldo Moro, Department of Soil, Plant and Food Sciences, Bari (IT)	**https://doi.org/10.5281/zenodo.4674328**
Pathogenicity and systemic colonization of Spanish strains of *Xylella fastidiosa* subsp. *multiplex* and *pauca* on olive under controlled conditions	**Román-Écija M.**, Institute for Sustainable Agriculture, Spanish National Research Council (IAS-CSIC), Córdoba, (ES)	**https://doi.org/10.5281/zenodo.4672355**
The Arabidopsis immune receptor EFR increases resistance to Xanthomonas and Xylella in transgenic sweet orange	**Teixeira-Silva N.S.,** Sylvio Moreira Citrus Research Center, Agronomic Institute of Campinas, Cordeirópolis (BR)	**https://doi.org/10.5281/zenodo.4674394**

POSTER SESSION: Epidemiology and modeling of *Xylella fastidiosa* diseases

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Environmental model to manage the eradication of almond trees of Alicante (Spain) in the case of *Xylella fastidiosa*	**Cortes Plana J.J.,** Dept Tecnología Informática y Computación, University of Alicante (ES)	**https://doi.org/10.5281/zenodo.4679518**
Risk of establishment of Pierce's disease in main wine-producer regions worldwide	**Giménez-Romero A.**, Instituto de Física Interdisciplinar y Sistemas Complejos IFISC (CSIC-UIB), Campus UIB, Palma de Mallorca (ES)	**https://doi.org/10.5281/zenodo.4679503**
Future changes in climate suitability of Europe for *Xyllela fastidiosa*-related diseases induced by ongoing climate change	**Godefroid M.,** CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Montpellier (FR)	**https://doi.org/10.5281/zenodo.4679511**
The spread of *Xylella fastidiosa* in the south-eastern Iberian Peninsula: combining spatial and regional geographical approaches	**Gutiérrez-Hernández O.,** Department of Geography, University of Málaga (ES), Spain	**https://doi.org/10.5281/zenodo.4672357**
A web-based GIS tool for estimating the vulnerability to *Xylella fastidiosa*, at European level	**Kalaitzidis, C.,** CIHEAM/Mediterranean Agronomic Institute of Chania, Chania (GR)	**https://doi.org/10.5281/zenodo.4672277**
Model-assisted epidemiological inference and surveillance for *Xylella fastidiosa* in France	**Martinetti D.**, INRAE, BioSP, Avignon (FR)	**https://doi.org/10.5281/zenodo.4679499**
Inferring the potential spread of *Xylella fastidiosa* in Great Britain	**Occhibove F.**, UK Centre for Ecology & Hydrology, Wallingford (UK)	**https://doi.org/10.5281/zenodo.4672334**

POSTER SESSION: Vectors biology and control

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Electrophysiological and behavioral responses of *Philaenus spumarius* and Neophilaenus campestris females to host plant volatiles	**Anastasaki E.**, Benaki Phytopathological Institute, Kifissia (GR)	https://doi.org/10.5281/zenodo.4680160
Presence, phenology and seasonal abundance of insects, potential vectors of *Xylella fastidiosa* in Greece	**Antonatos S.,** Benaki Phytopathological Institute, Kifissia (GR)	https://doi.org/10.5281/zenodo.4679786
First assays on the response of adults of *Philaenus spumarius* (Hemiptera: Aphrophoridae) to different host plants	**Aure C.M.,** Instituto Valenciano Investigaciones Agrarias; Herrero-Schell J., IVIA (ES)	https://doi.org/10.5281/zenodo.4680075
Vibrational communication of *Philaenus spumarius* and insights for vibrational pest control	**Avosani S.**, Department of Civil, Environmental and Mechanical Engineering, University of Trento, Italy and Research and Innovation Centre, Fondazione Edmund Mach, San Michele all'Adige (IT)	https://doi.org/10.5281/zenodo.4679792
Population genetics of the meadow spittlebug *Philaenus spumarius*, the main insect vector of *Xylella fastidiosa* in Europe	**Biello R.,** John Innes Centre, Norwich (UK)	https://doi.org/10.5281/zenodo.4681171
Dispersal of *Philaenus spumarius*, vector of *Xylella fastidiosa*, in olive grove and meadow agroecosystems	**Bodino N.**, CNR–Istituto per la Protezione Sostenibile delle Piante, Torino (IT)	https://doi.org/10.5281/zenodo.4670310
Studies on the competence of potential *Xylella fastidiosa* vectors in the Balearic Islands (Spain)	**Borràs D.,** Serveis de Millora Agrària i Pesquera. Laboratory for Plant Health. Government of the Balearic Islands, Palma de Mallorca (ES)	https://doi.org/10.5281/zenodo.4679754
Microbial assemblages within *Philaenus spumarius* and their possible role on insect´s reproduction	**Cameirão C.,** Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Bragança (PT)	https://doi.org/10.5281/zenodo.4680278
Behavioural ecology of the main vector of *Xylella fastidiosa*, *Philaenus spumarius*	**Cascone P.,** National Research Council of Italy, Institute for Sustainable Plant Protection, Portici (IT)	https://doi.org/10.5281/zenodo.4680084
Influence of the temperature on the acquisition efficiency of *Xylella fastidiosa* by *Philaenus spumarius*	**Cavalieri V.,** Institute for Sustainable Plant Protection, CNR, Bari, Italy	https://doi.org/10.5281/zenodo.4680388

Evaluations of insecticides to reduce transmission of *Xylella fastidiosa* in olives	**Cavalieri V.,** Institute for Sustainable Plant Protection, CNR, Bari and Centro di Ricerca, Sperimentazione e Formazione in Agricoltura "Basile Caramia", Locorotondo (IT)	**https://doi.org/10.5281/zenodo.4680951**
Identifying the drivers of abundance of *Philaenus spumarius* in Corsica	**Chartois M.,** CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Univ. Montpellier, Montferrier-sur-Lez (FR)	**https://doi.org/10.5281/zenodo.4680290**
DNA-barcoding and assessment of the genetic diversity of the *Xylella fastidiosa* vectors in the Balearic Islands	**Delgado-Serra S.,** University of the Balearic Islands (ES)	**https://doi.org/10.5281/zenodo.4682089**
Large scale testing of sticky traps for monitoring spittlebugs in different crops	**Dongiovanni C.,** Centro di Ricerca, Sperimentazione e Formazione in Agricoltura "Basile Caramia", Locorotondo (IT)	**https://doi.org/10.5281/zenodo.4680867**
First sharpshooter species proven as vectors of *Xylella fastidiosa* subsp. multiplex in *Prunus salicina* trees in Brazil	**Esteves M.B.,** Departamento de Entomologia e Acarologia, Escola Superior de Agricultura "Luiz de Queiroz", Universidade de São Paulo (ESALQ/USP), Piracicaba, (BR)	**https://doi.org/10.5281/zenodo.4679789**
Population dynamics of *Xylella fastidiosa* subsp. *pauca* indicate that coffee strains are the founding populations for the olive-Xylella infections in Brazil	**Coletta-Filho H.D.**, Centro APTA Citros Sylvio Moreira, Instituto Agronômico, Cordeirópolis (BR)	**https://doi.org/10.5281/zenodo.4671436**
Transmission of *Xylella fastidiosa* subsp. *pauca* to olive trees by sharpshooters and spittlebugs common in Brazilian orchards	**Froza J.A.,** College of Agriculture "Luiz de Queiroz", University of São Paulo, Piracicaba (BR)	**https://doi.org/10.5281/zenodo.4680847**
Population fluctuation of predominant sharpshooters and spittlebugs in olive orchards of Southeastern Brazil	**Froza J.A.,** College of Agriculture "Luiz de Queiroz", University of São Paulo, Piracicaba (BR)	**https://doi.org/10.5281/zenodo.4680854**
Confirmation of coffee related *Xylella fastidiosa* vectors (Cicadellidae) in Costa Rica	**Garita L.,** Universidad de Costa Rica, San José (CR)	**https://doi.org/10.5281/zenodo.4680357**
Genetic diversity and Wolbachia infection of Italian populations of *Philaenus spumarius*, the main vector of *Xylella fastidiosa* in southern Europe	**Giorgini M.,** CNR, Institute for Sustainable Plant Protection, Portici (IT)	**https://doi.org/10.5281/zenodo.4680138**

Genetic diversity and bacterial community of European populations of Philaenus spp. and Neophilaenus spp., insect vectors of *Xylella fastidiosa*	**Kapantaidaki D.,** Benaki Phytopathological Institute, Kifissia (GR)	**https://doi.org/10.5281/zenodo.4679782**
Impact of insecticides in the feeding behaviour of *Philaenus spumarius* associated to the transmission of *Xylella fastidiosa*	**Lago C.,** Instituto de Ciencias Agrarias (ICA). Consejo Superior de Investigaciones Científicas (CSIC), Madrid (ES)	**https://doi.org/10.5281/zenodo.4670189**
Identification and monitoring of *Xylella fastidiosa* potential vectors on modern olive orchard	**Lamarosa A.,** Instituto Politécnico de Beja, Escola Superior Agrária (PT)	**https://doi.org/10.5281/zenodo.4679747**
Understanding host-plant shifting of *Philaenus spumarius* in UK	**Lester K.,** Science and Advice for Scottish Agriculture (SASA), Edinburgh (UK)	**https://doi.org/10.5281/zenodo.4679776**
Philaenus spumarius and *Neophilaenus campestris* as efficient insect vectors for *Xylella fastidiosa* in Majorca (Spain)	**López-Mercadal J.,** University of Balearic Islands, Palma (ES)	**https://doi.org/10.5281/zenodo.4681106**
Efficiency of different trap types for the monitoring of *Philaenus spumarius*	**Markheiser A.,** Julius Kühn-Institut (JKI), Institute for Plant Protection in Fruit Crops and Viticulture, Siebeldingen (DE)	**https://doi.org/10.5281/zenodo.4680197**
Relative efficacy of different colour sticky traps for the capture of vectors of *Xylella fastidiosa*	**Mercadal P.,** University of Balearic Islands, Palma (ES)	**https://doi.org/10.5281/zenodo.4680648**
Wanted egg parasitoids: *Ooctonus vulgatus* parasitizes *Philaenus spumarius* in Corsica and is probably widely distributed in Europe	**Mesmin X.**, CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Univ Montpellier, Montpellier (FR)	**https://doi.org/10.5281/zenodo.4680103**
Vectors of *Xylella fastidiosa* show pronounced habitat preferences in Corsican agricultural landscapes	**Mesmin X.,** CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Univ Montpellier, Montpellier (FR)	**https://doi.org/10.5281/zenodo.4680115**
Response of *Philaenus spumarius* and *Neophilaenus campestris* to potential semiochemicals	**Nencioni A.,** Department of Agriculture, Food, Environment and Forestry (DAGRI), University of Florence; Institute of BioEconomy, Biology, Agriculture and Food Sciences Department – National Research Council (IT)	**https://doi.org/10.5281/zenodo.4680958**

Attractiveness of different colored sticky traps for spittlebug vectors of *Xylella fastidiosa*	**Nencioni A.,** Department of Agriculture, Food, Environment and Forestry (DAGRI), University of Florence; Institute of BioEconomy, Biology, Agriculture and Food Sciences Department – National Research Council (IT)	**https://doi.org/10.5281/zenodo.4680213**
Detection of Philaenus (Hemiptera: Aphrophoridae) DNA in the gut of spiders, using PCR-based gut-content analysis	**Rodrigues I.**, Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança and Departamento de Ingeniería Agrária, Universidad de Léon (ES)	**https://doi.org/10.5281/zenodo.4680701**
Olfactory behavior of *Philaenus spumarius* (Hemiptera: Aphrophoridae) to two naturally occurring volatile compounds on almond, olive, and vine leaves	**Rodrigues I.,** Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança and Departamento de Ingeniería Agrária, Universidad de Léon (ES)	**https://doi.org/10.5281/zenodo.4680822**
A web-interface database for the identification of vectors of *Xylella fastidiosa* in Europe	**Streito J.-C.,** CBGP, Univ. Montpellier, CIRAD, INRAE, IRD, Montpellier SupAgro, Montpellier (FR)	**https://doi.org/10.5281/zenodo.4680659**
Presence, diversity and seasonal fluctuation of *Xylella fastidiosa* potential vectors and other Auchenorrhyncha (Hemiptera) in olive agroecosystems with different management systems	**Tsagkarakis A.,** Agricultural University of Athens, Athens (GR)	**https://doi.org/10.5281/zenodo.4679768**

POSTER SESSION: Surveillance and early detection tools

Title	Presenter	DOI
Testing and validation of methods to diagnose the causative agent of Pierce's disease in different kinds of substrate	**Prikhodko S.,** All-Russian Plant Quarantine Center" (FGBU "VNIIKR") (RU)	https://doi.org/10.5281/zenodo.4682098
An improved delimiting survey approach for *Xylella fastidiosa*	**Lázaro E.,** Institut Valencià d'Investigacions Agràries, Moncada (ES)	https://doi.org/10.5281/zenodo.4682103
Measuring the threat from a distance: a sentinel plantation in Palma de Mallorca to test the susceptibility of Belgian trees to several subspecies of *Xylella fastidiosa*	**Casarin N.**, UCLouvain (BE)	https://doi.org/10.5281/zenodo.4682118
Salicaceae, a potential plant network for the spread of *Xylella fastidiosa* in temperate regions	**Casarin N.**, UCLouvain (BE)	https://doi.org/10.5281/zenodo.4682127
Sequence-typing of *Xylella fastidiosa*: new perspective for MLST analysis by Nanopore sequencing	**Nicoloso V.M.,** Institute for Sustainable Plant Protection, CNR, Bari (IT)	https://doi.org/10.5281/zenodo.4682131
EFSA pest survey card on *Xylella fastidiosa*: how to define the detection method?	**Mattion G.,** Animal and Plant Health Unit, European Food Safety Authority (EFSA), Parma (IT)	https://doi.org/10.5281/zenodo.4682148
EFSA pest survey card on *Xylella fastidiosa*: how to characterise the host plant population?	**Mattion G**., Animal and Plant Health Unit, European Food Safety Authority (EFSA), Parma (IT)	https://doi.org/10.5281/zenodo.4682159
Integrated IoT monitoring system and data science platform to monitor plant conditions under biotic and abiotic factors	**Santini M.,** Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Viterbo (IT)	https://doi.org/10.5281/zenodo.4682166
FREE@POC: Towards an instrument-FREE future of molecular diagnostics at the Point-Of-Care	**Minafra A.,** Institute for Sustainable Plant Protection, CNR, Bari (IT)	https://doi.org/10.5281/zenodo.4682774
Results of official annual survey for *Xylella fastidiosa* in Montenegro	**Popović T.,** Administration of Food Safety, Veterinary and Phytosanitary Affairs, Podgorica (ME)	https://doi.org/10.5281/zenodo.4682786
Sentinel insects to anticipate, detect and monitor *Xylella fastidiosa* outbreaks	**Farigoule P.,** AgroParisTech, Paris, France & CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Univ. Montpellier, Montferrier-sur-Lez (FR)	https://doi.org/10.5281/zenodo.4682793

Xylella fastidiosa is not detected yet in Jordan: survey results	**Al-Karablieh N.**, Department of Plant Protection, School of Agriculture, The University of Jordan, Amman (JO)	**https://doi.org/10.5281/zenodo.4682803**
Optimizing molecular assays to support early detection of *Xylella fastidiosa* in host plants	**Reppa C.I.,** Benaki Phytopathological Institute, Kifissia (GR)	**https://doi.org/10.5281/zenodo.4682820**
Setting up of efficient sampling schemes to detect *Xylella fastidiosa* in Apulian olive groves	**Santoro F.,** Mediterranean Agronomic Institute of Bari (IT)	**https://doi.org/10.5281/zenodo.4682832**
Phenometabolomics of olive quick decline syndrome using nuclear magnetic resonance, high resolution mass spectrometry, hyperspectral reflectance, and integrative chemometrics analysis	**Ahmed E.M.F.M.H.,** CIHEAM – Mediterranean Agronomic Institute of Bari, Valenzano, and Department of Civil, Environmental, Land, Building Engineering and Chemistry (DICATECh), Polytechnic University of Bari (IT)	**https://doi.org/10.5281/zenodo.4682845**
Use of indicator plants for the early detection of *X. fastidiosa*	**Bergsma-Vlami M.**, Dutch National Plant Protection Organization (NPPO-NL) (NL)	**https://doi.org/10.5281/zenodo.4682921**
Diagnostic pipeline and large-scale monitoring: the experience in the Apulian outbreak	**Saponari M.,** Institute for Sustainable Plant Protection, CNR, Bari (IT)	**https://doi.org/10.5281/zenodo.4682925**
Capturing efficacy assessment of antibodies against *Xylella fastidiosa* through Surface Plasmon Resonance	**Sarcina L.,** Università degli Studi di Bari Aldo Moro, Bari (IT)	**https://doi.org/10.5281/zenodo.4682954**
Xylella fastidiosa field detection combining Loop-Mediated Isothermal Amplification (LAMP) with Long-read Nanopore sequencing	**Mota M.,** Faculdade de Ciências, Universidade da Beira Interior (UBI), Covilhã, and Centro de Apoio Tecnológico Agroalimentar (CATAA), Castelo Branco (PT)	**https://doi.org/10.5281/zenodo.4682970**
Enhancing the UK diagnostic capabilities for *Xylella fastidiosa*	**Walshaw J.**, Fera Science Ldt, York (UK)	**https://doi.org/10.5281/zenodo.4682982**
Xylella fastidiosa: Imminent Risk to Food Security in Near East and North Africa Region	**Yaseen T,** Food and Agriculture Organization of the United Nations (FAO)	**https://doi.org/10.5281/zenodo.4714490**

POSTER SESSION: Endophytic microbial resources and their potential applications for *Xylella fastidiosa* control

Title	Presenter	DOI
Culture and metagenomic approaches for the identification of olive xylem microbial communities as a biological control tool to cope against *Xylella fastidiosa* infection.	**Anguita-Maeso M.**, Institute for Sustainable Agriculture, Spanish National Research Council, Córdoba (ES)	https://doi.org/10.5281/zenodo.4671712
Mapping *Xylella fastidiosa* infection and xylem microbiome composition on olive tree branches.	**Anguita-Maeso M.**, Institute for Sustainable Agriculture, Spanish National Research Council, Córdoba (ES)	https://doi.org/10.5281/zenodo.4671892
Antagonism capacity of endophytes isolated from olive cvs in Apulia region	**Hanani A.,** University of Palermo and CIHEAM of Bari (IT)	https://doi.org/10.5281/zenodo.4672069
Fungal metabolites for the biocontrol of *Xylella fastidiosa*	**Cimmino A.,** Department of Chemical Sciences University of Naples Federico II, Naples (IT)	https://doi.org/10.5281/zenodo.4683060
Zinkicide nanoformulation efficacy to mitigate xylem limited *Xylella fastidiosa* strains in tobacco and blueberry.	**Shantharaj D.**, Department of Entomology and Plant Pathology, Auburn University, Auburn (US)	https://doi.org/10.5281/zenodo.4683082
Heterologous expression of CECMEL11 bactericidal peptides against *Xylella fastidiosa* in *Nicotiana benthamiana* plants	**Montesinos L.**, University of Girona, Girona (ES)	https://doi.org/10.5281/zenodo.4683098
Development of natural products against the emerging plant pathogen *Xylella fastidiosa*	**Robledo M.,** Biomar Microbial technologies, León, Spain and Universidad de Cantabria, Santander (ES)	https://doi.org/10.5281/zenodo.4683108
Looking for olive XF-resistance under high natural selective pressure in Salento	**La Notte P.,** Institute for Sustainable Plant Protection, CNR, Bari (IT)	https://doi.org/10.5281/zenodo.4683117
Evaluation of the sexual compatibility between Leccino and FS17	**Roseti V.,** University of Bari Aldo Moro, Department of Soil, Plant and Food Sciences, Bari (IT)	https://doi.org/10.5281/zenodo.4683134
Screening of a novel biological control agent targeting the phytopathogen *Xylella fastidiosa*	**Mourou M.,** Università Degli Studi Della Tuscia, Dipartimento di Scienze Agrarie e Forestali (DAFNE), Viterbo (IT)	https://doi.org/10.5281/zenodo.4683142

In vitro and in vivo effects of quaternary ammonium compounds on *Xylella fastidiosa* subsp. *pauca* infecting olives	**D'Attoma G.**, Institute for Sustainable Plant Protection, National research Council (IT)	**https://doi.org/10.5281/zenodo.4683351**
An interdisciplinary approach to prevent *Xylella fastidiosa* outbreaks	**Farigoule P.,** AgroParisTech, Paris, France & CBGP, INRAE, CIRAD, IRD, Montpellier SupAgro, Univ. Montpellier, Montferrier-sur-Lez (FR)	**https://doi.org/10.5281/zenodo.4683361**
Peptides of synthetic and microbial origin with antimicrobial and antibiofilm activity against *Xylella fastidiosa*	**Moll L.,** Laboratory of Plant Pathology, Institute of Food and Agricultural Technology-CIDSAV-XaRTA, University of Girona (ES)	**https://doi.org/10.5281/zenodo.4683372**
Bacteriophage for treatment and prevention of *X. fastidiosa* infection in grapevines (Pierce's Disease)	**Kinkhabwala A.**, A&P Inphatec, Palo Alto, California (US)	**https://doi.org/10.5281/zenodo.4683402**

POSTER SESSION: Social sciences and communication

Title	Presenter	DOI
A socio-semantic analysis of the research domain on *Xylella fastidiosa*. Structure and scientific dynamics	**Barbier M.,** INRAE – UMR LISIS, Marne-la-Vallée (F)R	**https://doi.org/10.5281/zenodo.4683429**
Media and scientific literature monitoring of *Xylella fastidiosa* using the MEDISYS platform	**Campese C.,** Animal and Plant Health Unit, European Food Safety Authority (EFSA), Parma (IT)	**https://doi.org/10.5281/zenodo.4683526**
The role of citizen scientists in preparing for a national response to the invasive insect-transmitted plant pathogen *Xylella fastidiosa*	**Pérez-Sierra A.,** Forest Research, Farnham (UK)	**https://doi.org/10.5281/zenodo.4683574**