

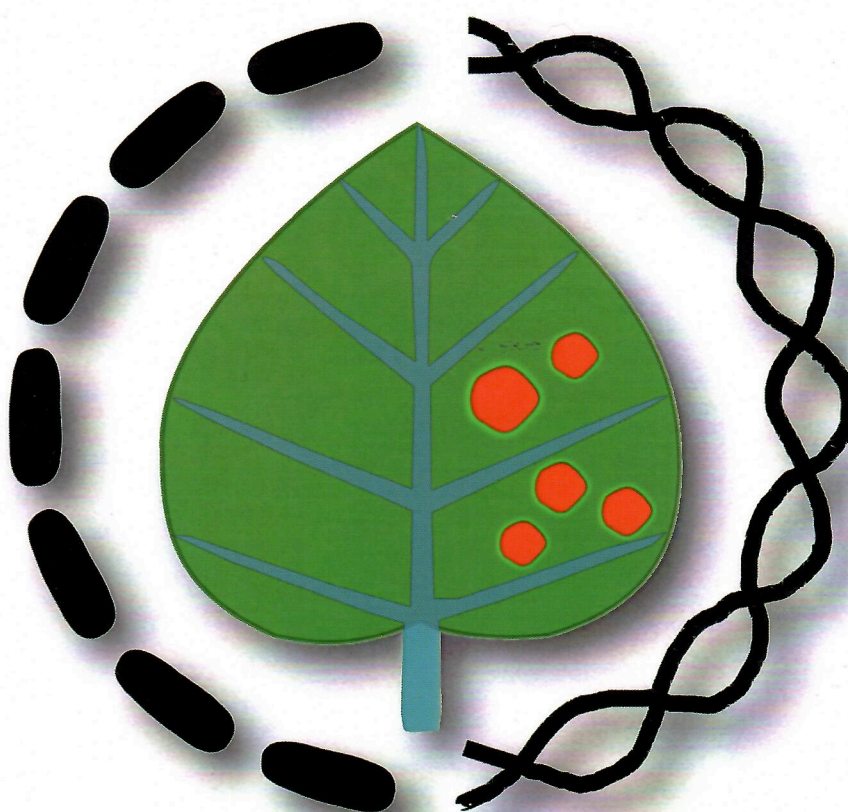


SIPaV
Società Italiana di Patologia Vegetale
Italian Phytopathological Society



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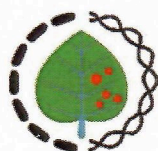
***XXIV National Congress Italian
Phytopathological Society (SIPaV)***



BOOK OF ABSTRACTS

Ancona, 5-7 September, 2018

UNIVERSITÀ POLITECNICA DELLE MARCHE
Department of Agricultural Food and Environmental Sciences



SIPaV
Società Italiana di Patologia Vegetale
Italian Phytopathological Society



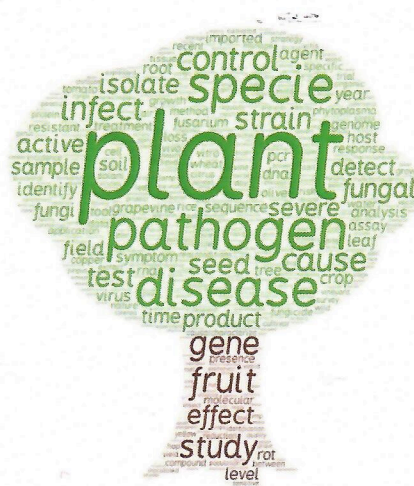
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XXIV National Congress
Italian Phytopathological Society
(SIPaV)

Ancona, 5-7 September, 2018

Aula Azzurra

UNIVERSITÀ POLITECNICA DELLE MARCHE



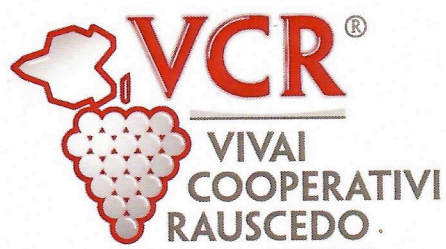
Scientific Committee	Organising Committee	Congress Secretary
Maria Lodovica Gullino	Sergio Murolo	Lucia Landi
Piero Attilio Bianco	Jonathan Concas	Valeria Mancini
Giuseppe Firrao	Erica Feliziani	
Stefania Loreti	Sandro Nardi	
Michelina Ruocco	Gianfranco Romanazzi	
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XXIV National Congress
Italian Phytopathological Society (SIPaV)
Ancona, 5-7 September, 2018

CONFERENCE PROGRAMME

Wednesday 5th September

1.30-2.30 pm: Registration of participants and posters set up

2.30-3.00 pm: Opening of the SIPaV 2018 Congress and welcome address

3.00-4.30 pm: I Session – Phytoplasma diseases (*Chairs* Piero Attilio Bianco and Rita Musetti)

3.00-3.30 pm: Invited talk

Variability and function of Vmp adhesion related proteins give insight into the emergence of phytoplasma epidemics. S. Malembic-Maher, D. Desque, P. Salar, J.L. Danet, S. Duret, M.P. Dubrana, B. Batailler, J. Jović, S. Krnjajić, E. Angelini, L. Filippin, M. Monticone, D. Bosco, I. Ember, M. Kolber, M. Della Bartola, A. Materazzi, M. Maixner, L. Beven, J. Renaudin, N. Arricau-Bouvery, X. Foissac

3.30-4.30 pm

Detection of ‘*Candidatus Phytoplasma solani*’ in roots from Bois noir symptomatic and recovered grapevines. L. Landi, S. Murolo, G. Romanazzi

Clues on the epidemiology of 16SrV-C phytoplasma on *Spartium junceum* in Sicily. S. Rizza, D. Di Pietro, V. D’Urso, C. Marzachi, M. Tessitori

Metagenome analyses reveal microbiota changes in *Citrus sinensis* affected by citrus decline disease in Iran. A. Passera, H. Alizadeh, M. Azadvar, F. Quaglino, A. Alizadeh, P. Casati, P.A. Bianco

Synthetic elicitors affect *Hyalesthes obsoletus* behavioral responses. P. Riolo, R. L. Minuz, V. Mancini, S. Ruschioni, G. Romanazzi, N. Isidoro

4.30-5.00 pm: Coffee break

5.00-5.30 pm: II Session – Forest pathology (*Chairs* Paolo Capretti and Angelo Mazzaglia)

Assessing the seasonal patterns of spore deposition of *Gnomoniopsis castaneae* in some chestnut orchards in northern Italy. L. Giordano, G. Lione, F. Sillo, P. Gonthier

Early warning methods for forest pathogens: a case study on pine canker. N. Luchi, P. Bartolini, F. Pecori, A.L. Pepori, A. Santini

5.30-6.00 pm: SIPaV “Giovanni Scaramuzzi 2018” Award (*Chairs* Maria Lodovica Gullino and Luisa Rubino)

6.00-7.00 pm: Factory of Ideas - Young Researcher Session (*Chairs* Alessandra Di Francesco and Valeria Mancini)

***Diaporthe* spp. associated to defected hazelnuts in Turkey.** R. Arciuolo, G. Chiusa, N. Spigolon, G. Castello, P. Battilani

***Pseudomonas corrugata* genome mining reveals a LuxR ‘solo’ with a role in virulence in tomato.** A. Anzalone, G. Licciardello, C. Strano, P. Bella, I. Bertani, V. Venturi, V. Catara

Sphingolipids in *Fusarium verticillioides* – *Zea mays* interaction. M. Beccaccioli, M. Salustri, A. Grottoli, M. Ludovici, V. Scala, M. Reverberi

Evaluation of the antagonistic activity of *Bacillus amyloliquefaciens* against fungal pathogens of wheat. R. Caracciolo, J. Cabrefiga, I. Mora, A. Fabi, E. Montesinos, L. Varvaro

Spread and stability of Tomato yellow leaf curl virus – IL23 in Sicily and partial displacement of its parental. A.G. Caruso, S. Panno, S. Davino

Study on bio-morphological and ultra-structural effects caused by onion yellow dwarf virus infection in “Rossa di Tropea” onion bulb. G. Micali, A. Tiberini, A. Lupini, A. Ciampa, I. Inzucchi, L. Tomassoli, M.T. Dell’Abate, G. Albanese

Morphological and molecular identification of seedborne fungi in squash (*Cucurbita maxima*). M. Moumni, M.B. Allagui, V. Mancini, S. Murolo, N. Tarchoun, G. Romanazzi

Metagenomic analysis of the aerial mycobiome of rice paddies. S. Franco Ortega, I. Ferrocino, S. Silvestri, I. Adams, D. Spadaro, M.L. Gullino, N. Boonham

Role of gluconic acid in the biocontrol activity of *Pseudomonas fluorescens* strain CHA0 against *Fusarium oxysporum*. D. Palmieri, G. Barone, F. De Curtis, G. Lima

Enzymes production by solid state fermentation of *Cryphonectria parasitica* on agro-industrial residue. S. Savino, E. Monti, E. Gobbi

Characterization of endophytic fungi isolated from grapevines by matrix-assisted laser desorption time-of-flight mass spectrometry (Maldi-Tof MS). A. Tóth, Cs. Kovács, E. Sándor

The expression of TAXI-I and TAXI-III xylanase inhibitors and of a *Fusarium graminearum* xylanase increases plant resistance to bacterial and fungal pathogens. S. Tundo, M.C. Paccanaro, L. Sella, I. Elmaghraby, I. Moschetti, R. D'Ovidio, F. Favaron

7.15-7.30 pm: SIPaV High School Award, I Edition “Teach me as to take care for a plant (*Insegnami a curare una pianta*)”

7.30 pm: Light welcome dinner and poster view

8.30-9.30 pm: “POD Talks” (*Chair* Gianfranco Romanazzi)
Ruggero Osler, Felice Scala

Thursday 6th September

9.00 am-11.00 am: Join Session SIPaV-APS about “Emerging and re-emerging plant pathogens” (*Chairs* Maria Lodovica Gullino and Lindsey J. du Toit)

Case studies of the complexity of seedborne and seed transmitted fungi affecting regional and global seed trade. L.J. du Toit, J.C. Correll

Seed transmission of viruses and viroids: implications for global seed movement. G. Munkvold, T. Pitman, and B. Falk

Emerging soilborne plant diseases caused by fungi and oomycetes in Italy. S.O. Cacciola

Grapevine Flavescence dorée: still a threat to European viticulture. S. Palmano, L. Galetto, D. Bosco, C. Marzachi

11.00-11.30 am: Coffee break

11.30-12.15 am: III Session – *Xylella fastidiosa* (Chairs Giovanni Paolo Martelli and Stefania Loreti)

Media monitoring to identify emerging plant health risks: the case of *Xylella fastidiosa*. F. Ferilli, G. Stancanelli, J. Linge, M.R. Mannino

***Xylella fastidiosa* subsp. *pauca* strain De Donno: a lipidomic point of view.** V. Scala, M. Reverberi, M. Salustri, N. Pucci, V. Modesti, S. Lucchesi, S. Loreti

Field experiments for the containment of the spread of *Xylella fastidiosa* in olive orchards. C. Dongiovanni, M. Di Carolo, G. Fumarola, D. Tauro, A. Ciniero, G. Altamura, F. Palmisano, V. Cavalieri

12.15-1.00 pm: IV Session – Mycotoxigenic fungi (Chairs Massimo Reverberi and Sabrina Sarrocco)

Occurrence of mycotoxigenic fungi on chestnut and hazelnut and management strategies. D. Spadaro, S. Prencipe, S. Valente, E. Piombo, A. Garibaldi, M.L. Gullino

***Fusarium graminearum* cerato-platanin proteins weaken cellulosic materials and enhance cellulase activity in an expansin-like manner.** A. Quarantin, C. Castiglioni, F. Favaron, L. Sella

Effect of soft wheat infection timing on the development of *Fusarium* head blight causal agents and on the accumulation of secondary metabolites in the kernels. G. Beccari, C. Arellano, L. Covarelli, F. Tini, M. Sulyok, C. Cowger

1.00-2.30 pm: Lunch and Poster Session

2.30-3.45 pm: V Session – Host-pathogen interactions (*Chairs* Matteo Lorito and Annalisa Polverari)

Abiotic factors effecting grapevine trunk disease incidence between vineyards in the Tokaj wine region, Hungary. C. Kovács^{1,2}, P. Balling³, Z. Bihari³, A. Nagy⁴, E. Sándor

Fungal effector-omics in the genomics “era”: *Verticillium* and *Fusarium* study case. J. Li, B.P.H.J. Thomma, L. Faino

Multifaceted chatting between *Trichoderma* and the plant. M. Ruocco, M.M. Monti, L. Gualtieri, M. De Palma, N. D’Agostino, M. Chiurazzi, L. Navazio, M. Tucci, M. Lorito

N-Acetyl cysteine-loaded chitosan nanoparticles to control oxidative stress in durum wheat. V. Picchi, S. Gobbi, M. Fattizzo, F. Faoro

Hyperspectral reflectance, an innovative and useful tool for stress detection in plants. L. Cotrozzi, E. Pellegrini, J.J. Couture, C.D. Cruz, C. Nali, G. Lorenzini

3.45-4.30 pm: VI Session – Plant viruses (*Chairs* Salvatore Davino and Sergio Murolo)

Where virus taxonomy is heading to. L. Rubino, G.P. Martelli

Occurrence of viral pathogens and *Pseudoperonospora humuli* in hop plants in Italy. L. Ferretti, M. Luigi, F. Faggioli, A. Haegi

Two negative-stranded RNA viruses with unusual molecular features recently identified in citrus in Italy. B. Navarro, M. Minutolo, S. Zicca, M. Saponari, D. Alioto, F. Di Serio

Rapid and sensitive detection of onion yellow dwarf virus and iris yellow spot virus by reverse transcription loop-mediated isothermal amplification on ‘Rossa di Tropea’ onion. A. Tiberini, G. Micali, A. Manglli, G. Leo, G. Albanese, L. Tomassoli

4.45-5.15 pm: Coffee break

5.15-7:15 pm: General Assembly of SIPaV Members

7:30 pm: Bus leaving to Fortino Napoleonico, Portonovo (AN)

8.00 pm: Gala dinner at the Fortino Napoleonico (<http://www.hotelfortino.it>)
(43°33'54.43"N, 13°35'33.43"E)

Friday 7th September

9.00-10.15 am: VII Session – Disease management (*Chairs* Franco Faretra and Slaven Zjalic)

9.00-9.30 am: Invited talk

Defining the host genetic control of the rhizosphere bacterial microbiota: a key to enhance plant adaptation to biotic and abiotic stresses. R. Alegria Terrazas, S. Robertson-Albertyn, L. Pietrangelo, R. Sharma, D. Bulgarelli

9.30-10.15 am

Resistance to the downy mildew agent in the Eurasian grapevine germplasm of Georgia (Caucasus). S.L. Toffolatti, G. De Lorenzis, G. Maddalena, A. Costa, P. Casati, O. Failla, D. Maghradze, F. Quaglino

Comparative effectiveness of phosphonate fungicides, calcium oxide and reduced doses of copper hydroxide for managing *Phytophthora* brown rot of citrus fruit. F. La Spada, S.O. Cacciola, A. Pane, F. Aloï, C. Stracquadanio, M.G. Li Destri Nicosia, G. Magnano di San Lio

Leafhoppers in the vineyard, preliminary data about their possible implication in grapevine leaf mottling and deformation epidemiology. V. Gualandri, F. Ghidoni, M. Benazzoli, C. Duso, V. Malagnini, F. Pedrazzoli, G. Angeli

10.15-10.45 am: Coffee break

10.45-11.45 am: VIII Session – Innovative tools in detection and molecular characterization (*Chairs* Giuseppe Lima and Giorgio Gambino)

New genetic resources for the causal agents of brown rot on stone fruits, *Monilinia fructicola*, *Monilinia laxa* and *Monilinia fructigena*. R.M. De Miccolis Angelini, D. Abate, S. Pollastro, C. Rotolo, D. Gerin, F. Faretra

Structure and dynamics of airborne fungal populations in organic and conventional vineyards. A. Abdelfattah, A. Ippolito, M. Wisniewski, S. Pangallo, S. Scibetta, S. Mosca, M.G. Li Destri Nicosia, G.E. Agosteo, G. Magnano di San Lio, S.O. Cacciola, L. Schena

A new real-time loop-mediated isothermal amplification (LAMP) assay to rapidly detect *Phytophthora ramorum* and *P. lateralis* invasive plant pathogens. C. Aglietti, A. Santini, P. Bartolini, P. Capretti, N. Luchi

Environmental genomics reveals the diversity of *Phytophthora* populations in phytocoenoses of “Complesso Speleologico Villasmundo-S. Alfio” Natural Reserve in Sicily. F. Aloï, A. Pane, F. La Spada, M. Evoli, R. Faedda, C. Stracquadanio, L. Schena, S.O. Cacciola

11.45-12.00 am: Close of the SIPaV 2018 Congress