



Third Circular

31st Congress of the Italian Society of Plant Pathology

“A. Comelli” Auditorium of the Friuli-Venezia Giulia Region, located at Via Sabbadini 31, Udine

September 16–18, 2026

Dear Colleagues,

We are approaching the opening of the **31st Congress of the Italian Society of Plant Pathology**, titled **“*Novel ideas to support plants. Let’s bet against pathogens!*”**, which will take place in Udine from September 16 to 18, 2026. The event is organized by the Department of Agri-Food, Environmental and Animal Sciences (DI4A) of the University of Udine in collaboration with ERSA (Regional Agency for Rural Development). The congress has attracted wide interest from many Italian and international researchers, who will have the opportunity to present their research as oral presentations and posters during the scientific sessions included in the program. The scientific sessions will be opened by leading scientists from the international scientific community. During the congress, the SIPaV “*Giovanni Scaramuzzi 2026*” Award will be presented for the best doctoral dissertation in Plant Pathology, while six best posters will be honored with the “*Best Poster Award*” on the final day of the event. The SIPaV Members’ Assembly will be held, as usual, prior to the social dinner. The final day of the congress will feature a *Wrap-up meeting* to highlight the emerging themes of the congress. Participants who remain in Udine after the congress will have the opportunity to stroll through the historic center guided by an art expert.

We look forward to seeing you in Udine to share new ideas, forge new connections, and build new opportunities together!

Scientific Committee

Alessandra Di Francesco
Giuseppe Firrao
Paolo Ermacora
Marta Martini
Rita Musetti
Paolo Gonthier
Annalisa Polverari
Massimo Reverberi
Giancarlo Polizzi
Marco Camardo Leggieri

Organizing Committee

Marta Martini
Alessandra Di Francesco
Emanuela Torelli
Paolo Ermacora
Giuseppe Firrao
Rudy Cignola
Chiara Bernardini
Selena Tomada
Gabriele Dionis
Martina Lucci
Iride Malnis

SIPaV 2026 Best Poster Award

During the congress, the Scientific Committee will award 6 prizes (3 SIPaV and 3 CABI) for the best posters presented by young researchers.

The selection will be based on:

- Quality of scientific content
- Organization of information, accuracy, and readability of the text
- Originality of the graphic layout

Posters must measure 70 cm × 100 cm (W × H). There will be two poster sessions during which the following posters will be displayed: Session 1 (from PP1 to PP96) and Session 2 (from PP97 to PP191).

Presenters are asked to stand next to their poster during the session designated for them in the program and to remove it at the end of that session.

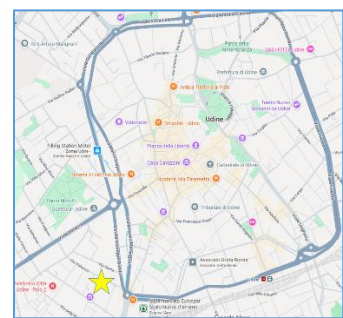
The display panels will be marked with a sequential number corresponding to the number assigned to each poster, as listed in the congress program and 'Book of Abstracts' which can be downloaded via QR code. Materials for mounting the posters will be provided by the organizers.

Oral Presentations

Oral presentations will consist of 10 minutes for the presentation, followed by 2 minutes for questions, if any.

Congress Venue

The Antonio Comelli Auditorium in Udine is an institutional congress hall of the Autonomous Region of Friuli Venezia Giulia, located within the Regional Government Building at Via Cecilia Gradenigo Sabbadini 31. The Auditorium seats up to 500 people and serves as the FVG Region's main venue in Udine. The hall was officially named after Antonio Comelli, the historic president of the Friuli Venezia Giulia Region who played a leading role in managing the extremely delicate emergency phase and the subsequent post-earthquake reconstruction following the 1976 earthquake.



How to Get to the Auditorium

The Comelli Auditorium is about a 15-minute walk or a 5- to 10-minute drive from downtown. Alternatively, you can take the TPL FVG city bus by boarding bus Line 3 from Piazza Primo Maggio and getting off at the Piazzale Giobatta Cella stop. From the train station, you can reach the venue on foot (about 15 minutes) or via bus Line 3 (travel time 8 minutes).

Parking

Paid parking is available at the adjacent Magrini Parking (about 5-10 minutes walk), at the nearby Andreuzzi Parking on Via Andreuzzi, or in the blue street parking spaces along Via Sabbadini.

Program for the 31st SIPaV Congress

Wednesday, September 16

8:00–9:00 Registration and poster setup for Session 1 (from PP1 to PP96)

9:00–9:30 Opening of the 31st Congress of the Italian Society of Plant Pathology and Institutional Greetings

9:30–10:00 Invited Presentation

'Black yeasts – from polyextremotolerance to biocontrol' – **Nina Gunde Cimerman, University of Ljubljana, Slovenia**

10:00–10:30 Coffee break

10:30–12:45 First Scientific Session

'Characterization of Plant-Associated Microbes and Emerging Plant Pathogens'

Chairs: Davide Spadaro and Irene Salotti

OP1 Combining metagenomics, metabarcoding and culturomics to unravel the leccino microbiome and its biocontrol potential against *Xylella fastidiosa*

D. Di Cosmo, M.E.E. Franco, R. Touati, C. Del Grosso, A. Giampetruzzi, R. Donno, M. Masiello, M. Dugo Bati, S. Somma, G. Cozzi, L. Vaccaro, P. Saldarelli, O. Potere, A. Moretti, F. Faretra, R.M. De Miccolis Angelini, M. Saponari, P. De Bellis

OP2 A phenotype-to-microbiome-to-isolate approach to characterize fungal communities associated with sooty epiphytes during postharvest storage of apple fruit

F. Rey, A. Abdelfattah, H. Schuler, S. Oettl

OP3 The mycobiome of the almond bark beetle *Scolytus amygdali* within southern Mediterranean almond orchards

M. Costanzo, P. H. W. Biedermann, G. Gusella, A. Russo, A. Gugliuzzo, G. Polizzi

OP4 Winners and losers in a warming world: forecasting the future of microbial biocontrol across Europe

N. Khomutovska, A. Di Francesco, J.A. Stenberg

OP5 KVDS starts in the nursery? A metabarcoding survey of fungal and oomycete communities in kiwifruit propagation material

S. Mosca, G. Vizzari, V. Palmisano, C. Iannizzi, A. Malacrinò, L. Schena

OP6 Identification and characterisation of candidate bacterial biocontrol agents from the pear carposphere and their mechanisms of action against *Stemphylium vesicarium*

A. Montorsi, M. Cortiello, F. Bellameche, M. Meneghini, M. Delitte, B. Dubois, F. Debode, C. Bragard, M. Collina, E. Stefani, D. Giovanardi

OP7 *Neofusicoccum parvum* associated with disease symptoms in giant sequoia in Trentino-South Tyrol

C.M. Longa, T. Battisti, A. Prodi, A. Minelli, D. Santuari, G. Maresi

OP8 *Glomerella* leaf spot and apple bitter rot in northwestern Italy: fungal diversity and fungicide sensitivity

I. Martino, E. Raschio, G. Dardani, G.M. Pichierri, D. Spadaro, V. Guarnaccia

OP9 Genome-informed evidence of a multispecies *Pectobacterium* disease complex in greenhouse tomato

G. Dimaria, M.E. Massimino, D. Nicotra, A. Mosca, F. Modica, J.M. van der Wolf, V. Catara

OP10 Fungal plant pathogens associated with kiwifruit disorders in central Italy

M. Casuscelli, L. Rosella, L. Albanese, C. Leonardo, M. Ciurnelli, L. Felici, D. Schiavi, S. Francesconi, C. Miccoli, G.M. Balestra

12:45-13:45 Light lunch

13:45-14:45 Poster Session 1 & Coffee

14:45-17:00 Second Scientific Session

'New Approaches for the Detection, Prediction and Control of Plant Pathogens'

Chairs: Davide Giovanardi e Catello Pane

OP11 Metabolic-temporal succession between non-*Saccharomyces* yeasts and acetic acid bacteria drives grapevine sour rot development

L. Chiapparoli, C. Brischetto, M. Gabrielli, L. D'Intino, I. Negri, V. Rossi, T. Caffi, G. Fedele

OP12 Rapid and affordable broad-spectrum plant virus detection using minimal sample preparation coupled with Nanopore sequencing

G. Golzi, R. Baroncelli, C. Ratti

OP13 Advanced molecular diagnostics for rapid and specific detection of mycotoxigenic fungi in postharvest commodities

O. Incerti, M. Pasqualicchio, A. Mostacci, M. Robbe, A. Berouaken, A. Ippolito, S.M. Sanzani

OP14 Volatiles and metabolic biomarkers for early detection of citrus greening disease in *Citrus sinensis*

V. Lazazzara, C. Brunetti, F. Menicucci, G. Marino, F. Alderotti, A.C. Baptista Ruiz, R. Rocha Latado, D. de Mattos Jr., M. Centritto

OP15 A mechanistic model for epidemic and mycotoxin risk prediction in the *Alternaria*-tomato pathosystem

M. Camardo Leggieri, I. Salotti, P. Battilani

OP16 Genomic and phenotypic diversity of *Pseudomonas syringae* populations associated with table grapevine in southern Italy

D. Cornacchia, L. Zhou, D. Gerin, T. Milakovic, M. Höfte, F. Valentini, F. Faretra, S. Pollastro

OP17 Transcriptome and small RNA analyses reveal the molecular response mechanisms of *Stemphylium vesicarium* to exogenous dsRNA-SDHD treatment during pear leaf infection

X. Chen, M. Karas, T. Gao, F. Pacini, F. Negrini, E.G. Kabeto, R. Baroncelli, E. Baraldi

OP18 A quantitative meta-analysis reveals consistent physiological, biochemical and molecular responses of grapevine to flavescence dorée phytoplasma infection

S. Risoli, M. Carli, G. Lorenzini, E. Pellegrini, C. Nali, L. Cotrozzi

OP19 Development and field validation of a predictive model for white rust (*Albugo occidentalis*) in spinach varieties showing different susceptibility patterns

P. Marino, I. Salotti, G. Fedele, F. Lops, V. Rossi, Vittorio

OP20 The next generation of downy mildew protection: sensor-based forecasting and precision disease management.

G. Maddalena, G. Pigni, B. Lecchi, R. Oberti, V. Giovenzana, R. Beghi, A. Tugnolo, M. Crudele, R.M. De Miccolis Angelini, S.L. Toffolatti

17:00-17:15 Coffee break

17.15-17.45 “Giovanni Scaramuzzi 2026” Award

Chair: Giuseppe Firrao

17.45-18.30 Journal of Plant Pathology: 2025 performance report, new programs and prizes to young plant pathologists

Chair: Matteo Garbelotto

18.30-20.30 Welcome Cocktail

Thursday, September 17

8:30–9:00 Poster set up for Session 2 (from PP97 to PP191)

9:00–9:30 Invited Presentation

*‘Innovative multifunctional biocontrol products: a next-generation approach to sustainable postharvest disease management’ – **Neus Teixidò, IRTA-Institute of Agrifood Research and Technology, Lleida, Spain***

9:30-11:15 Third Scientific Session

‘Novel Strategies for Plant Diseases Management’ (Part 1)

Chairs: Slaven Zjalic and Mario Riolo

OP21 Harnessing endophytic strains for the control of grapevine trunk disease pathogens

A. Manzoni, G. Dardani, D. Spadaro, V. Guarnaccia

OP22 Woodland strawberries: source of ‘bodyguards’ for cultivated strawberries

G. Dionis, R. Cignola, N. Khomutovska, J.A. Stenberg, A. Di Francesco

OP23 Basic substances and essential oils for the management of downy and powdery mildew in organic viticulture

S. Piancatelli, C. Palumbo, P. Ramazzotti, M. Tunç, A.L. D’Ortenzio, M. Moumni, G. Romanazzi

OP24 Functional cover crops facilitate the acquisition of the endophytic bacterium *Rahnella aquatilis* by *Philaenus spumarius*: a proof-of-concept for vector-mediated delivery of biocontrol endophytes

Z. Negussie, V. Iacovino, F. De Curtis, G. Ianiri, G. Lima, D. Palmieri

OP25 Applying modelling to practical forestry: new guidelines for the management of *Fraxinus excelsior* threatened by *Hymenoscyphus fraxineus*

G. Lione, A. Ebone, E. Catalano, L. Zarantonello, M. Giraud, P.G. Terzuolo, P. Gonthier

OP26 Essential oils and their major secondary metabolites for the control of postharvest gray mold in kiwifruit

M. Thomas, F. Martina Sadeghian, D. Danzi, M. Consolini, E. Pierpaoli, C. Fabbri, M. Bovi, M. Bonaconsa, F. Spinelli, E. Vandelle

OP27 Soft chemistry: new alternatives to copper for the control of grapevine downy mildew

M. Cesarini, E. Centamore, F. Tarengi, D. Sterzi, G. Puopolo

11:15-11:30 Coffee break

11:30-13:00 Fourth Scientific Session

‘Novel Strategies for Plant Disease Management’ (Part 2)

Chairs: Eleonora Cappelletti and Giorgio Balestra

OP28 Applications of the beneficial endophyte *Paraburkholderia phytofirmans* strain PsJN as a preimmunization strategy against *Xylella fastidiosa* in olive plantlets

M. Bati, C. Del Grosso, C. Dongiovanni, P. Saldarelli, A. Saponari, R.M. De Miccolis Angelini, M. Saponari

OP29 Zinc-induced defense priming enhances resistance to *Botrytis cinerea* in tomato through proteome reprogramming

V. Artico, I. Battisti, L. Sella, S. Tundo, G. Dal Corso, B. Molesini, T. Pandolfini, G. Arrigoni, A. Furini, F. Favaron

OP30 Pomegranate peel extract-loaded chitosan nanoparticles as a seed treatment to control *Clavibacter michiganensis* in tomato plants

F.Z. Sennoun, F. Valentini, A.M. D'Onghia, D. Schiavi, G.M. Balestra

OP31 Basalt dust and its aqueous filtrates reduce tomato bacterial speck and induce structural defence responses

A. Scian, M. Paglialunga, M. Quaglia, L. Valbonetti, C. López-Chaves, C. Moretti, R. Buonauro Roberto

OP32 Environmental conditions and biotic interaction shape inhibitory co-inoculation dynamics, temporal transcriptional and phenotypic plasticity in *Trichoderma-Clonostachys*

A. Petrucci, A. Dalli, B. Bighignoli, B. Jensen, D.B. Collinge, S. Sarrocco, M. Dubey, K. Magnus

OP33 Biotechnological potential of Antarctic yeasts and actinomycetes: biosurfactant production and biocontrol activity against phytopathogenic fungi

N. Fernandes, A. Giustra, M. Saracchi, A. Kunova, C. Pizzatti, S. Vigano, M. Pasquali, P. Cortesi, C. Caruso, L. Bertini, D. Bulgari

OP34 Antifungal activity of natural compounds in the control of major seedborne pathogens

M. Mounni, S. Makau, S. Piancatelli, G. Romanazzi

13:00-14:00 Light Lunch

14:00-15:30 Fifth Scientific Session

'Epidemiological Trends of Plant Diseases'

Chairs: Dalia Aiello and George Karaoglanidis

OP35 Study of olive biodiversity in Apulia: identification and genetic characterization of olive genotypes with potential tolerance or resistance to *Xylella fastidiosa*

A. Iuliano, M. Hussain, G. Procopio, C. Montemurro, M. Savoia, I. Mascio, A. Fabiani, N. Puletti, E. Santilli

OP36 Distinct spatial signatures underpin multi-speed genome evolution in *Fusarium oxysporum*

A. Doddj, L. Pérez González, G. Puebla Planas, A. López-Moral, C. Agustí-Brisach, A. Di Pietro, P. Gutiérrez-Escribano

OP37 *Phytophthora caput-medusae* sp. nov., a new Mediterranean species in *Phytophthora* subclade 6b

F. La Spada, F. Aloï, R. Parlascino, S. Conti Taguali, M. Riolo, B. Scanu, M. Horta Jung, A. Pane, T. Jung, S.O. Cacciola

OP38 Unraveling the genomic basis of virulence in *Plenodomus tracheiphilus* isolates from different Italian lemon-growing regions

A. Lamontanara, G. Paradiso, M. Colombo, C. Arlotta, M. Guardo, L. Aiello, C. Licciardello, L. Orrù, S. Di Silvestro, G. Licciardello

OP39 Climate change-driven heat waves differentially affect *Monilinia laxa* and *Monilinia fructicola*

M. Quizhpe-Romero, N. Vall-Iaura, S. Marín, M. Prim, R. Torres

OP40 Seed microbiome dynamics and *Fusarium* spp. contamination in traditional maize landraces from Lombardy

N. Miotti, M. Peconi, A. Follador, A. Torri, C. Lanzanova, S. Locatelli, G. Consonni, M. Ghidoli, P. Casati, C. Balconi, R. Pilu, A. Passera

OP41 Two new multi-pathogen diseases of *Rosmarinus officinalis* L.

G. Serratore, G. Semenzato, E. Dell'Olmo, S. Fodil, A. Raio, G. Ragosta, A. Mataffo, G. Napoletano, L. Sigillo

15:30-16:30 Poster Session 2 & Coffee

16:30-18:30 SIPaV General Meeting of Members

20:30 Social dinner at “Casa della Contadinanza”, Piazzale del Castello, Udine

Friday, September 18

9:00-9:30 Invited Presentation

‘Defense and counter-defense in plant-pathogen interactions’ – Wenbo Ma, The Sainsbury Laboratory, Norwich, United Kingdom

9:30-11:00 Sixth Scientific Session

‘Molecular plant-pathogen interactions’

Chairs: Matias Pasquali and Ivan Baccelli

OP42 Deciphering the sieve element dynamics in flavescente dorée infection: from constitutive anatomy to physiological responses

O.C. Viscardo, S. Favia, K. Konate, E. Angelini, N. Bertazzon, R. Musetti

OP43 A structurally unique effector shared by *Verticillium* and *Fusarium* spp. drives defoliation in cotton and other host plants

I. Zannini, A. Doddi, M. Reverberi, L. Faino

OP44 Biocontrol of tomato vascular wilt by *Kosakonia pseudosacchari* TL13 alone and in consortium with *Fusarium oxysporum* 54002

F. Salzano, M. Ranesi, S. Vitale, I. Saiz-Fernández, A. Mostacci, L. Spíchal, N. De Diego, D. Turrà

OP45 Structure-based atlas of *Phytophthora* effectorome reveals conserved folds and novel host-pathogen interactions

A. Pascucci, M. Wang, D. MacLean, W. Ma

OP46 Investigating wood distillate in the grapevine–*Plasmopara viticola* pathosystem: a multidisciplinary research approach

I. Oggiano, I.M. Nanni, M. Collina

OP47 Soil matters: an integrated assessment of physical, chemical, and biological drivers of esca disease in a Tuscan vineyard

F. Bigazzi, S. Priori, S. Del Duca, F. Vitali, S. Mocali, G. Carella, L. Mugnai

OP48 Insights into oxylipin-mediated signaling in *Xylella fastidiosa*–plant interactions

G. Gramegna, M. Beccaccioli, L. Lascala, M. Zaccaria, L. De La Fuente, M.V. Merfa, N. Pucci, S. Loreti, M. Reverberi, V. Scala

11:00-11:30 Coffee break

11:30-12:30 *Wrap-up* Meeting for the SIPaV 2026 Congress

Chairs: Gianfranco Romanazzi and all the Session Chairs

12:30-13:30 Best Poster Award and Closing Ceremony

15:30-17:30 Guided tour of Udine's historic center – Meeting point Piazza della Libertà

GUEST SPEAKERS



Nina Gunde-Cimerman is the first to discover halophilic and halotolerant fungi in hypersaline environments around the world. She is also the first to discover psychrophilic and psychrotolerant fungi in Arctic glaciers (Svalbard, Norway), in particular in the subglacial environment and on the Greenland Ice Sheet, but also in extreme domestic environments, represented by household appliances (as exemplified by dishwashers) and in environments previously considered abiotic – bitters, magnesium rich waters in the salterns, where she identified a new category of extremophiles: chaophilic fungi.



Matteo Garbelotto, a Venetian by birth, has spent most of his life in California but owes his passion for forests to his early upbringing in the famous Dolomites. A researcher at U.C. Berkeley since 1990 and a faculty there since 2000, he has created and directed the UCB Forest Pathology and Mycology Laboratory, a research center offering diagnostic services and applied solutions to protect both urban and wild forests in California. An adviser to several governments, Matteo is a world expert on invasive plant pathogens. He is a Fulbright scholar, an officer of the International Union of Forest Research Organizations, an Editor on the Australasian Journal of Plant Pathology and, since 2020, he has been the Editor in Chief of the Journal of Plant Pathology. He divides his time between basic research, applied research, outreach and extension and, finally, citizen science. He has created and leads the SOD blitzes; a large scale volunteer-based survey of Sudden Oak Death across California.



Neus Teixidó, senior research scientist, is the Director of Postharvest Department at IRTA, and the coordinator of the Plant Health HUB for the organization and harmonization of Plant Health Research in Catalonia. Her research activity includes the control of postharvest diseases of fruits using several physical, chemical and biological alternative techniques, the study of epidemiology, and fruit-pathogen interactions in different pathosystems. She has over 30 years of experience in the development of biocontrol agents.



Wenbo Ma is a Senior Group Leader at the Sainsbury Laboratory (UK). Her research contributes to the advancement of fundamental knowledge of microbial pathogenesis, plant immunity, and host-pathogen coevolution. She is internationally recognized for her outstanding research on pathogen effectors, which has led to the discovery of crucial virulence strategies for inducing disease in host plants.

POSTER CONTRIBUTIONS

PP1 Adapting the mini-FLOTAC technique for the quantitative diagnosis of *Wilsoniana occidentalis* in spinach crops

Marino Paola, Lauro Vincenzo, Raimondo Maria Luisa, Cringoli Giuseppe, Lops Francesco

PP2 Multi- and hyperspectral sensing for plant disease diagnosis from leaf to ecosystem scale

Carli Marco, Pippi Lorenzo, Risoli Samuele, Lorenzini Giacomo, Pellegrini Elisa, Nali Cristina, Cotrozzi Lorenzo

PP3 Three-year development of a symptom-guided LAMP-based strategy for early detection of flavescence dorée

Aglietti Chiara, Bigazzi Francesco, Carella Giuseppe, Caracciolo Rocco, D'Onghia Anna Maria, Mugnai Laura

PP4 Towards sensor-based monitoring for the early detection of grapevine downy mildew infections

Pigni Giacomo, Tugnolo Alessio, Maddalena Giuliana, Giovenzana Valentina, Beghi Roberto, Toffolatti Silvia Laura

PP5 Smartphone-read fluorescent sensor arrays for early and non-destructive detection of citrus postharvest rots

Riolo Mario, Santonocito Rossella, Cavallaro Alessia, Parlascino Rossana, Aloï Francesco, Trusso Sfrassetto Giuseppe, Tuccitto Nunzio, Cacciola Santa Olga

PP6 Early detection of mycotoxin risk: a novel multiplex qPCR assay for screening *Fusarium verticillioides* and *Aspergillus flavus* in maize silks

Laddaga Francesco Mattia, Ratti Claudio, Locatelli Sabrina, Alberti Ilaria, Prodi Antonio

PP7 Development of qPCR diagnostic assays for a novel *Phytophthora* species associated with kiwifruit vine decline syndrome

Bernardini Chiara, Tommasini Davide, Ermacora Paolo, Martini Marta

PP8 Early detection of citrus mal secco disease using a carbon nanotube electronic nose and VOC profiling

Infantino Alessandro, Antonucci Francesca, Costa Corrado, Arlotta Carmen, Di Silvestro Silvia, Pallottino Federico

PP9 Electronic nose technology for assessing hazelnut quality

Vitale Salvatore, Luongo Laura, Antonucci Francesca, Costa Corrado, Arlotta Carmen, Di Silvestro Silvia, Castello Giuseppe, Infantino Alessandro

PP10 Downy mildew outbreak on fennel in southern Italy: molecular Identification of *Plasmopara pimpinellae* as the causal agent

Bati Mekides Dugo, Crudele Marco, Casetta Michele, Franco Mario Emilio Ernesto, Rotondo Palma Rosa, Carrieri Mauro, Lecchi Beatrice, Maddalena Giuliana, Toffolatti Silvia Laura, Dongiovanni Crescenza, De Miccolis Angelini Rita Milvia

PP11 Real-time RT-LAMP for rapid and specific detection of watermelon crinkle leaf-associated virus 2 (WCLaV-2)

Yahyaoui Emna, Caruso Andrea Giovanni, Matić Slavica, Tropea Luigi, Davino Salvatore, Panno Stefano

PP12 Field-detection of citrus viroid V using a newly developed RT-qPCR assay

Agrò Graziella, Sánchez-Navarro Jesus Angel, Pallás Vicente, Licciardello Grazia, Scuderi Giuseppe, Catara Antonino, Caruso Andrea Giovanni, Panno Stefano, Matić Slavica, Davino Salvatore

PP13 Electrical signalling and systemic electrome alterations in tomato for early detection of tomato spotted wilt virus (TSWV)

Matić Slavica, Masoero Giorgio, Capra Pier Paolo, Sosso Andrea

PP14 Phylogenetic identification and pathogenicity of *Neofusicoccum batangarum* causing stem blight of blueberry in Sinaloa Mexico

Nuñez-García Perla Rubí, Correia Kamila C., Michereff Sami J., López-López Ana María, Tovar-Pedraza Juan Manuel

PP15 Seasonal lipidomic profiling for the identification of biomarkers associated with olive quick decline syndrome

Faienza Rossana, Tatulli Giuseppe, L'Aurora Alessia, Fiorani Riccardo, Polito Alessandro, Beccaccioli Marzia, Reverberi Massimo, Loreti Stefania, Pucci Nicoletta, Scala Valeria

PP16 Advancing phytosanitary diagnostics through Oxford Nanopore sequencing

Crosara Valeria, Scala Valeria, Reverberi Massimo, Pucci Nicoletta, Faino Luigi, Loreti Stefania

PP17 Development of integrated lab-on-chip platforms for a point-of-care molecular detection of *Xylella fastidiosa*

Costantini Francesca, Romanelli Elena, Lovecchio Nicola, Crosara Valeria, Pucci Nicoletta, Caputo Domenico, Reverberi Massimo, Scala Valeria, Loreti Stefania

PP18 Early detection of seed-transmitted tobamoviruses using portable Raman spectroscopy

Ragona Arianna, Sacco Botto Camilla, Bertacca Sofia, Davino Salvatore, D'Errico Chiara, Noris Emanuela

PP19 The putative role of trichodiene synthases (*tri5*) gene in the endophytic interaction between *Trichoderma gamsii* T6085 and cereal roots

Mencarini Diego, Selmin Ilaria, Vicente Isabel, Sarrocco Sabrina

PP20 Detection of secondary metabolite biosynthetic genes across the *Fusarium oxysporum* species complex

Carella Daria, Villani Alessandra, Faino Luigi, Moretti Antonio, Susca Antonia

PP21 Combining ITS and *tef1* α metabarcoding to resolve fungicide-associated shifts in the durum wheat kernel mycobiome

Lascalea Leonardo, Frasca Sara, Faino Luigi, Marini Federico, Reverberi Massimo, Beccaccioli Marzia

PP22 Enhancing salinity resilience in *Solanum lycopersicum* through halophilic yeast: a genomic and transgenerational microbiome perspective

Lucci Martina, Abdelfattah Ahmed, Callino Omar, Di Francesco Alessandra

PP23 Soil dysbiosis associated with walnut decline and its mitigation through biofertilizer-based bioremediation

Ikram Hira, Bellameche Fares, Giovanardi Davide, Quartieri Maurizio, Toselli Moreno, Stefani Emilio

PP24 Occurrence of multiple *Fusarium* and *Neocosmospora* species causing wilt of blackberry (*Rubus fruticosus*) in Italy

Leonardi Giuseppa Rosaria, Costanzo Mariangela Benedetta, Mavica Simone, Polizzi Giancarlo, Aiello Dalia

PP25 Unveiling the molecular determinants of antagonism in *Lysobacter enzymogenes* C3 against plant pathogenic oomycetes

Martini Alessio, Gambone Alessia, Tegli Stefania, Puopolo Gerardo

PP26 *Trichoderma* as biofertilizers and plant health promoters

Limongelli Francesco, Zonno Mariachiara, Parente Angelo, D'Imperio Massimiliano, Altomare Claudio

PP27 Coexisting with solar energy: dynamics and resilience of grapevine berry microbiome in agrivoltaic systems

Agnusdei Angelo, Dalena Francesco, Chiriaco Agostino Ambrogio, Pesole Alessandro, Palasciano Marino, Mazzeo Andrea, Gerin Donato, Ferrara Giuseppe, Pollastro Stefania, Faretra Francesco

PP28 Diversity and seasonal variation of fungal communities associated with olive drupes in central Italy
Tini Francesco, Balducci Emilio, Ottaviani Bianca, Ceccomori Edoardo, Baldassarri Sara, Onofri Andrea, Quaglia Mara, Covarelli Lorenzo, Beccari Giovanni

PP29 When the cuticle fails: unravelling microcracks as new microbiome-pathogen space of interaction
Milanese Irma, Platzgummer Josef, Andergassen Christian, Oetl Sabine

PP30 Phylogenomic relationships and biosynthetic diversity within the *Fusarium tricinctum* species complex

Villani Alessandra, Ghionna Veronica, Moretti Antonio, Cappelletti Eleonora, Baroncelli Riccardo, Prodi Antonio

PP31 Rhizosphere bacterial communities from Apulian table-grape vines: a reservoir of potential biocontrol and plant growth-promoting agents

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