

Davide Spadaro

Full Professor

Dept. Agricultural, Forestry and Food Sciences (DISAFA)

AGROINNOVA – Centre of Competence

University of Torino

SHORT CURRICULUM VITAE

Davide Spadaro is Full Professor of Plant Pathology at the University of Torino (Italy) and Researcher at AGROINNOVA. President of the Council of the MS in Plant Biotechnology. Vice-president of the Research Commission of the Dept. Agricultural, Forest and Food Sciences (DISAFA). Referent for English Education at DISAFA. Member of the Teaching Committee of the Ph.D. School in Biological Sciences and Applied Biotechnologies (DBIOS). Professor in the BS Agricultural Science and Technology, in the BS Herbal Sciences (DSTF), in the BS Biotechnology (DBMSS), in the MS Plant Biotechnology, in the MS Food Science and Technology and in the international MS Food Systems (EIT-FOOD).

Secretary of the SM Committee Postharvest of the International Society of Plant Pathology. Member of the Accademia di Agricoltura di Torino. Member of the Technical-Scientific Working Group 'Kiwifruit Vine Decline Syndrome' of the Italian Ministry of Agricultural, Food and Forest Policies (MIPAAF). Member of the WG Postharvest and WG Nuts of the Italian Society for Horticultural Science.

Visiting Professor at the Thammasat University (Thailand) and at the University of Edinburgh (UK). Research fellow at the University of Lleida – IRTA (Spain) and at the University of Bonn (Germany).

His research spans from plant disease to sustainable crop protection, including biological control, from food safety (mycotoxins, human pathogens on plants) to food security (postharvest losses), from plant pathogen diagnostics to plant-pathogen interactions. He worked on several European and national projects, including EMPHASIS and VALITEST (Horizon 2020–SFS), TESTA (FP7), PLANTFOODSEC (FP7), BIOGREENHOUSE (COST Action), STOPMEDWASTE (PRIMA), SUSAFRUIT (LIFE+), CLEANFRUIT (EIT-Food), Sustainable Crop Protection (TEMPUS), PROMSTAP (Interreg IIIC), Organic Farming (ASIA-LINK), MYNAPT (EFSA). Member of the Organizing or Scientific Committee of 12 international congresses. Session Chair at 6 international congresses. Invited speaker at 13 international congresses. He has published over 600 papers. He is author of 14 book chapters and 4 patents. His 141 papers on international Journals have been cited over 4,400 times, his H-index is 36 (Scopus).

POSITION

Since 2021 Full Professor at Dept. Agricultural, Forestry and Food Sciences (DISAFA), University of Torino.

2016-2021 Associate Professor at DISAFA, University of Torino.

2005-2016 Assistant Professor at DISAFA, University of Torino.

TEACHING ACTIVITIES

Professor in the following courses at the University of Torino:

"Plant pathology and biotechnologies applied to crop protection", module of the integrated course "Crop Protection", MS in Plant Biotechnologies.

"Postharvest disease management for food safety", module of the integrated course "Microbiology and postharvest disease management", MS in "Food sciences and Technology".

"Mycotoxins and contaminants from plant disease management", module of the integrated course "Food Toxicology", international MS "Food Systems" (EIT-FOOD).

"Plant Pathology", BS in Agricultural Science and Technology.

"Biotechnology for sustainable agrifood system", module of the integrated course "Biotechnology in and towards Environmental Sustainability", BS in Biotechnology (DBMSS).

Supervised over 90 students (Plant Agricultural Biotechnologies, Organic Farming, Food Technologies for Catering, Agrofood Technologies, Biological Sciences, Agricultural Sciences and Technologies, Agrofood Sciences and Technologies, Environmental Biology, Food Sciences and Technology) in the preparation of their BS or MS thesis.

INSTITUTIONAL ACTIVITIES

DISAFA - Dept. Agricultural, Forestry and Food Sciences

President of the Council of the MS in Plant Biotechnology (since 2022).

Member of the Commission Monitoring and Review (CMR) of the MS Plant Biotechnology (since 2019).

Vice-president of the Research Commission (since 2022).

Member of the Research Commission (since 2018): Referent for patents.

Referent for English Education (since 2021).

DBIOS – Dept. Life Sciences and Systems Biology

Member of the Teaching Board and Tutor of the Ph.D. in Biological Sciences and Applied Biotechnologies of the Ph.D. School in Natural Sciences and Innovative Technologies: 9 Ph.D. students tutored or co-tutored.

SAMEV - School of Agriculture and Veterinary Medicine

Member of the Equal Teaching Commission (CDP) (2015-2018).

Member of the Commission Orientation, Tutoring, Job Placement (OTP) (2013-2015).

AGROINNOVA – Centre of Competence for the Innovation in the Agro-environmental Sector

Member of the Management Board (2010-2013).

Field Technical Manager of the Testing Centre of AGROINNOVA (2008-2013).

RESEARCH TOPICS

- 1 – Biology, epidemiology, diagnostics and control of pathogens of fruit crops: *Venturia inaequalis* on apple; *Pseudomonas syringae* pv. *actinidiae* on actinidia; kiwifruit decline; and *Monilinia* spp. on stone fruit.
- 2 – Postharvest diseases of fruit: biology and epidemiology of fungal pathogens; development of antagonistic microorganisms for postharvest biological control; use of essential oils in postharvest.
- 3 – Mycotoxigenic fungi and mycotoxins on fruit: occurrence, production and biodegradation of patulin; the genome of *Penicillium griseofulvum* and the production of griseofulvin; Alternaria-toxins on fruit.
- 4 – Mycotoxigenic fungi and mycotoxins on nuts: *Aspergillus* section *Flavi* and aflatoxins in nuts; *Penicillium* spp. and their mycotoxins in nuts; detoxification from aflatoxins; biological control against aflatoxigenic fungi.
- 5 – *Aspergillus* spp. and ochratoxin A in grapevine and wine: occurrence of ochratoxin A (OTA) in wines; identification and monitoring of *Aspergillus* spp. in vineyard; prevention and control in vineyard; biodegradation and detoxification of OTA.
- 6 – Mycotoxins in food systems: innovative analytical methods for mycotoxins; occurrence of mycotoxins on various matrices.
- 7 – The *Fusarium fujikuroi* – rice pathosystem: genomes of *F. fujikuroi*; biology and epidemiology of *F. fujikuroi*; varietal resistance and chemical and molecular responses of rice to *F. fujikuroi* infection; molecular diagnostics for *F. fujikuroi* and other pathogens of rice; mycotoxigenic potential of *Fusarium* spp. from rice; control strategies against bakanae of rice.
- 8 – Soilborne pathogens: characterization, diagnosis and control: characterization and diagnostics for *formae speciales* of *Fusarium oxysporum*; suppressive soils towards *F. oxysporum*; control strategies towards soilborne pathogens.
- 9 – Fungal microflora during maize ensiling.

Bibliometrics

Scopus: publications: 141; total citations: 4481; H-index: 36

Web of Science: publications: 145; total citations: 4014; H-index: 35

Google Scholar: publications: 818; total citations: 6746; H-index: 42

Author and co-author of over 600 publications, including:

- 119 Research articles published in peer reviewed ISI journals with impact factor
- 2 Book
- 14 Book chapters
- 4 Patents
- 90 abstracts published in peer reviewed ISI journals with impact factor
- 18 Articles published in peer reviewed international scientific journals
- 59 articles published in peer reviewed national journals
- 7 Articles published in Proceedings of International Conferences
- 94 Works published in the Abstract Books of International Conferences
- 5 Articles published in Proceedings of National Conferences
- 220 Works published as extended abstracts on Atti degli Incontri Fitoiatrici or on Protezione delle Colture
- 11 Works published in the Abstract Books of National Conferences

- 48 Popular scientific or technical works published in national or regional magazines with scientific committee
- 1 Editions of Proceedings of national Conferences
- 2 Other original contributions

Associate Editor of the Journal "Frontiers in Agronomy" (Frontiers), since December 2019.

Editor of the Special Issue "Occurrence, Prevention, and Control of Mycotoxins and Mycotoxigenic Fungi on Nuts and Dried Fruits" of the Journal "Toxins" (MDPI), from April 2019 to March 2020.

Editor with Maria Lodovica Gullino of the Special Issue "Innovation in Detection and Management of Diseases of Vegetables and Fruits" of the Journal "Agronomy" (MDPI), from July 2019 to March 2020.

Member of the Editorial Board of the Journal *Agriculturae Conspectus Scientificus*, since December 2020.

Member of the Editorial Board of the Journal "Scientifica" (Hindawi Limited, John Wiley & Sons), since February 2012.

Member of the Editorial Board of the Journal "Dataset papers in agriculture" (Hindawi Publishing Corporation), from September 2012 to February 2014.

2000-2002 – Editor of the monthly Journal "Informatore fitopatologico", Gruppo IISole-24Ore, Bologna.

Co-author (2021) of the book 'Plant Pathology in the 21th century: Contribution to the 11th International ISPP congress. Postharvest Pathology: Next Generation Solutions to Reducing Losses and Enhancing Safety', Springer, Dordrecht, the Netherlands, 202 pp. DOI: 10.1007/978-3-030-56530-5.

Co-author (2009) of the book 'Scientific information on mycotoxins and natural plant toxicants', EFSA (Parma, Italy), together with Battilani P., Costa L.G., Dossena A., Gullino M.L., Marchelli R., Galaverna G., Pietri A., Dall'Asta C., Giorni P. and Gualla A.. 467 pp..

Author of the chapter "Biological Control of Postharvest Diseases" for the Encyclopedia of Life Support Systems dell'UNESCO, UN.

Editorial board of the volume "Acta Horticulturae", Proceedings of the III International Symposium on Postharvest Pathology", Bari, Italy, 7-11 Juneo 2015.

Editing of the Book of Abstracts of the XXI Convegno Nazionale Società Italiana di Patologia Vegetale (SIPaV), Torino, 21-23 September 2015. Edizioni ETS, Pisa, Italy. 72 pp.

INTERNATIONAL SCIENTIFIC COLLABORATIONS

Universidad de Cuyo, Mendoza, Argentina

University of Liège, Belgium

Beijing Academy of Agriculture and Forestry Sciences, Beijing, China

University of Zagreb, Croatia

Leibniz Institute for Natural Product Research and Infection Biology -Hans Knoell Institute (HKI), Jena, Germany

Meiji University, Tokyo, Japan

Tokyo University of Agriculture and Technology, Japan

Pasteur Institute of Iran, Tehran, Iran

ARO, Volcani Center, Bet Dagan, Israel

Wageningen University and Research Centre, Netherlands

Westerdijk Fungal Biodiversity Institute, Utrecht, Netherlands

Newcastle University, United Kingdom

University of Edinburgh, United Kingdom

University of Reading, United Kingdom

FERA, York, United Kingdom

Research Development Institute for Plant Protection, Bucharest, Romania

University of Lleida – IRTA, Spain

Centre for Genomic Regulation, Barcelona, Spain

CEBAS-CSIC, Murcia, Spain

IATA-CSIC, Valencia, Spain

USDA - ARS, Appalachian Fruit Research Station, Kearneysville, United States

Università di Basel, Switzerland

Thammasat University, Bangkok, Thailand

University of the West Indies, St. Augustine, Trinidad and Tobago

PROJECTS

Principal investigator (PI) in the following projects:

1. EIT FOOD: CleanFruit - Standardization of innovative pest control strategies to produce zero residue fruit for baby food and other fruit produce (coordinator)
2. PRIMA: StopMedWaste - Innovative Sustainable technologies TO extend the shelf-life of Perishable MEDiterranean fresh fruit, vegetables and aromatic plants and to reduce WASTE (unit responsible)
3. LIFE plus: SU.SA.FRUIT - Low pesticide IPM in sustainable and safe fruit production (Unit responsible)
4. COST Action FA1105 Towards a sustainable and productive EU organic greenhouse horticulture – funded by EU (Management Committee member, STSM coordinator).
5. PRIN 2017: NATURE - A gnotobiotic-based approach to unravel the role of the plant microbiome and develop synthetic communities increasing plant growth and stress tolerance
6. Induction of resistance as a strategy to control fungal pathogens of apple in postharvest: biochemical, transcriptomic, proteomic and metabolomic studies – funded by MIUR (PRIN)
7. Diagnosis, epidemiology and control strategies of Phytophthorae agents of crown and root rots on agricultural crops grown in soil and in soilless – funded by MIUR (PRIN)

8. Food protection and food safety – funded by MIUR (Fellowships for young Indian researchers)
9. Food Microbiology and Food Safety – funded by Thai Ministry for Education
10. Use of Argentinian plant extracts to control biotic diseases in organic farming in Italy and Argentina – funded by Italian University Consortium for Argentina
11. DAAD - Deutscher Akademischer Austauschdienst – German Academic Exchange Service: Research Grants - Short-Term Grants: Activation of Fungal Silent Gene Clusters and Impact of Produced Compounds on Microorganisms
12. KIRIS – Kiwifruit Vine Decline – In-depth study on eziology and tools of prevention and control – funded by Piedmont Region
13. Innovative kiwifruit production and processing technologies towards *Pseudomonas syringae* pv *actinidiae* - PRO.ACT.IN. – funded by Piedmont Region (Misura 124)
14. STONE SAFE - Development of control strategies for safe and high quality stone fruit production in Piedmont – funded by Piedmont Region (CIPE)
15. DruMP - Minor stone fruits in Piedmont: phytopathological problems and postharvest control – funded by Piedmont Region (Bando per linee)
16. MICORID – Control of *Fusarium* diseases on rice: identification of the causal agents, monitoring of the mycotoxins in the rice food products and selection of resistant varieties – funded by Piedmont Region (Bando per linee).
17. BIO-POMO – Development of a biocontrol tool effective against the postharvest pathogens of pome fruits – funded by Piedmont Region (Bando Sinapsi)
18. RISINNOVA – Integrated genetic and genomic approaches for new Italian rice breeding strategies – funded by AGER (Consortium of bank foundations)
19. Root Microbiome For Plant Health: Dissecting The Role Of Soil Fungi (MYCOPLANT) – funded by University of Torino (Compagnia di San Paolo Foundation)
20. FRUITSENSOR – Converging technologies for precision and sustainable fruit growing– funded by Cassa di Risparmio di Cuneo Foundation.
21. SOST-MILK – Phytosanitary emergencies of maize and sustainability of the Piedmontese milk chain, funded by Cassa di Risparmio di Cuneo Foundation.
22. INNO-CHEST – Innovative technologies to guarantee the quality and safety of Piedmontese chestnuts, funded by Cassa di Risparmio di Torino Foundation.
23. Fondazione Cassa di Risparmio di Cuneo: SMART APPLE - Tecnologie innovative e SMART per la produzione sostenibile di mele
24. Fondazione Giovanni Gorla e Fondazione Cassa di Risparmio di Torino: LAMP per *Fusarium fujikuroi* su riso: un sistema innovativo e rapido di diagnosi per la difesa e lo sviluppo della risicoltura piemontese
25. Fondazione Laimburg: Biology, epidemiology and control of *Ramularia* spp., agents of dry lenticel rot on apples
26. Ente Nazionale Risi: Development of a forecasting model for rice blast
27. CREA: Test of varietal susceptibility of a rice variety
28. Molecular characterization of antagonistic yeasts against postharvest pathogens on fruits – funded by University of Torino (Giovani Ricercatori)
29. Evaluation of the efficacy, fermentation and formulation of antagonistic microorganisms against ochratoxigenic fungi in vineyard – funded by University of Torino (World Wide Style)
30. Argentinian plant extracts against post-harvest diseases – funded by University of Torino (UNI.COO)

31. Sviluppo e applicazione di tecniche di diagnosi innovative per indagare la biologia e l'epidemiologia di alcuni patogeni delle colture agroforestali, funded by University of Torino
32. Xeda International S.A.: Evaluation of the efficacy of Xedavap in reducing the metabolism of fruit and reducing postharvest rots of fruit.
33. Rivoira Giovanni e Figli S.p.A.: Evaluation of the sensitivity of *Venturia inaequalis* from Piedmont to fungicides.
34. Isagro S.p.A.: Agronomical practices for productivity, quality and health of wheat in agriculture.
35. Koppert: Evaluation of the efficacy of a zero-residue crop protection strategy for the control of pests and diseases of strawberry
36. Biolchim: Efficacy of prebiotics and probiotics against Kiwifruit Vine Decline Syndrome

Collaboration to the following research projects:

1. UE – Horizon 2020 SFS-03a-2014: Effective Management of Pests and Harmful Alien Species – Integrated Solutions – EMPHASIS (Grant Agreement 634179) (2015-2019)
2. Seed health: development of seed treatment methods, evidence for seed transmission and assessment of seed health (TESTA) – funded by EU (WP leader)
3. UE – Horizon 2020 - Validation of diagnostic tests to support plant health – VALITEST (Grant Agreement 773139)
4. PLANTFOODSEC – Plant and Food Biosecurity Network of Excellence – funded by EU (VII Framework Programme).
5. Establishing a new master degree in sustainable crop protection in Egypt – funded by EU (TEMPUS).
6. Monitoring systems for mycotoxin contamination – MYCOMON - Subproject of the PROMSTAP – funded by EU (Interreg IIIC).
7. Organic Farming: ethical, economical, scientific and technical aspects in a global perspective – funded by EU (ASIA-LINK).
8. MYNAPT - Collection of scientific data on mycotoxins and natural plant toxicants including source, chemistry, biosynthesis, analytical methods and their risk to human and animal health – funded by EFSA.
9. BASICS - Basic substances as an environmentally friendly alternative to synthetic pesticides for plant protection, funded by Eupresco.
10. International MS in Agroecology – funded by MIUR (Internazionalizzazione).
11. Framework programmes for the promotion of sustainable agriculture and food safety – funded by Italian Ministry for Environment, Land and Sea.
12. Regione Piemonte – Fabbrica Intelligente: FDM – Food Digital Monitoring
13. ITACA – Technological innovation, automation and new analytical control to improve the quality and safety of Piedmontese food products – funded by Piedmont Region (Platforms).
14. SAFEFOODCONTROL – development of systems and innovative technologies for the production, storage, processing and valorization of Piedmontese fruits and vegetables – funded by Piedmont Region (Platforms) (Task leader).
15. Simulation of use of genetically modified organisms in some Piedmontese agricultural productions – funded by Piedmont Region (Economical and strategic studies)

16. Selection, study of the efficacy, mechanism, characterization and development of antagonistic yeast of post-harvest pathogens on fruits – funded by Piedmont Region (CIPE).
17. Evaluation of the risk, prevention and management of the occurrence of mycotoxins in the grapevine and wine chain– funded by Piedmont Region (CIPE).
18. ADVANET – Advanced diagnostic tools, disease detection networking and technical extension for non-conventional disease control strategies in vegetable production in Piedmont - funded by Piedmont Region (CIPE).
19. AFLACHEST – Critical points in the chestnut production chain favouring aflatoxigenic fungi and detoxification from aflatoxins – funded by Piedmont Region (Misura 124).
20. From vineyard to wine: bio-protection with selected microorganisms (VIVIBIOMI) – funded by Cassa di Risparmio di Torino Foundation.
21. Evaluation and prevention of the ochratoxin A risk in the wine chain in Piedmont – funded by the Cassa di Risparmio di Torino Foundation.
22. Control of *Pseudomonas syringae* pv. *actinidiae* on actinidia in Piedmont - funded by the Cassa di Risparmio di Torino Foundation.
23. Optimization of the fermentation parameters and first approach to the formulation of a micro-organism for postharvest biological control – funded by the Bioindustry Park Canavese – DIADI.
24. Coldiretti: Indagine sulle principali problematiche agronomiche, entomologiche e patologiche legate alla filiera della castagna secca e della farina di castagna

TECHNOLOGY TRANSFER

Author of 3 national patents and 1 international patent.

- SPADARO D., GULLINO M.L. (2007) Mezzo di coltura per la produzione di *Metschnikowia pulcherrima* e relativo substrato. Italian patent application, TO2007A000583, deposited on August 1, 2007, by the University of Torino.
- SPADARO D., GULLINO M.L. (2007) Nuovo ceppo di *Metschnikowia pulcherrima* e suoi usi. Italian patent application, TO2007A000655, deposited on September 19, 2007 by the University of Torino.
- SPADARO D., GULLINO M.L. (2009) Novel strain of *Metschnikowia pulcherrima* and uses thereof. International patent application WO2009/040862 published under the PCT on April 2, 2009. University of Torino.
- SPADARO D., GULLINO M.L. (2011) Nuovo ceppo di *Metschnikowia* sp. e suoi usi. Italian patent application TO2011A000534, deposited on June 20, 2011. University of Torino.

Collaborations for technology transfer activities with the following companies and agencies:

Agra, Agrintesa, Albifrutta, Apofruit, Asprofrut, Az. Vecco, Centrale del Latte, Consorzio Kiwigold, Agrion, Di Vita, Corteva, Elika s.rl., Ferrero, Fotovoltando, GBV Impianti, Giuso, Incotec, Intrachem, Isagro Ricerca, Isolcell, Janssen, Koppert, La Gentile, Lagnasco Group, Lavazza, Ortofruit Italia, Parco Tecnologico Padano, Retorto, Rivoira, Sa.Pi.Se., Saclà, Sanden Vendo, Sanifrutta, Tecnogrande, Videometer, Xeda.

Field technician of the Centre for Pesticide efficacy evaluation of AGROINNOVA – Competence to perform field official tests with phytosanitary products (Certification from the Italian Ministry for Agricultural Policies).

OTHER TEACHING ACTIVITIES

Seminars at:

- China Academy of Sciences (China),
- University of Edinburgh (UK),
- Thammasat University of Bangkok (Thailand),
- Beijing Academy of Agriculture and Forestry Science (China)
- University of Maribor (Slovenia),
- Venice International University,
- Fondazione Edmund Mach,
- University of Palermo,
- Parco Tecnologico Padano,
- Provincia di Torino,
- Fondazione per le Biotecnologie,
- Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta,
- Camera di Commercio Industria Artigianato e Agricoltura di Torino,
- Coldiretti di Torino,
- CRESO/AGRION.

Habilitation for high school professors (PAS – Percorsi Abilitanti Speciali); habilitation class: Food Sciences; exam: Quality control of technological process (2014).

Course “Agri-food Diagnostics” (20 h) for Ph.D. students at the Italian Institute of Technology, in the framework of the project ITEM (Infrastructure for Technologies Bio-MEMS of Advanced Sensing for Environmental and Food Monitoring and Diagnostics) (Oct-Dec 2014).

EDUCATION

2004-2005 - Post-Doc position on “Alternative methods for post-harvest control of fruits and vegetables” at AGROINNOVA, University of Turin in collaboration with the Italian Ministry of Environment and Territory.

2003-2004 - Post-Doc position on the “Development of an effective biological product for the biological control against postharvest pathogens of pome fruits”, at the University of Turin in collaboration with Isagro Ricerca S.r.l.

2000-2004 - Ph.D. in Agricultural, Forestry and Agro-food Sciences – University of Turin, Italy. Ph.D. Thesis: Biological control of postharvest diseases (written in English).

2000 - M.S. in Biotechnology curriculum Plant Agricultural Biotechnology - University of Turin, Italy. Master obtained with a mark of 110 out of 110 with praise and mention.

FURTHER EXPERIENCE

2010 – One month research period at the Department of Food Science and Technology, Thammasat University of Bangkok (Thailand).

2009 – Six months research period at the Institute of Molecular Plant Sciences, School of Biological Sciences, University of Edinburgh (United Kingdom).

2004 - Two months research period (28th March – 29th May) at the Postharvest Unit of the IRTA (Institute of Agro-food Research and Technology) – University of Lleida (Spain).

2002 - Three months education period (1st April – 30th June) at the Laboratory of Soil Ecosystems, Institute of Plant Disease – University of Bonn (Germany). First semester of the Master in "Agriculture Science and Resource Management in the Tropics and Subtropics", University of Bonn (Germany).

2001 - One month education period (18th June – 9th July) at the KVL of Copenhagen (Denmark). Attended course: "Human context of organic farming". Project title: "Ethical consideration on applying biotechnologies to developing countries".

SCIENTIFIC SOCIETY OR NETWORK MEMBERSHIP

Corresponding Member of the Accademia di Agricoltura di Torino (since 2017).

SIPAV – Società Italiana di Patologia vegetale

Member of the Board of Società Italiana di Patologia vegetale (SIPaV) (2016-2019).

Member of the Audit Board of Società Italiana di Patologia vegetale (SIPaV) (2014-2016).

Secretary of the Subject Matter Committee Postharvest of the International Society of Plant Pathology.

SOI - Italian Society for Horticultural Science, member of the WG Postharvest and of the WG Nuts.

Member of the Technical-Scientific Working Group 'Kiwifruit Vine Decline Syndrome' of the Italian Ministry of Agricultural, Food and Forest Policies (MIPAAF).

EPSO (European Plant Science Organization) – Working group Plant Health, member

APS – American Phytopathological Society, member

ISHS – International Society for Horticultural Science, member

AIPP – Associazione Italiana Protezione Piante, member

Interuniversity "Center for Studies on Bioinspired Agro-environmental Technology (BAT Center), member

The Global Virtual Network of *Monilinia* spp., member

ORGANIZATION OF CONGRESSES:

1. Member of the Scientific Committee of the VI International Symposium on Postharvest Pathology, 29 May-2 June 2022, Limassol, Cyprus.
2. Member of the Italian Scientific Committee of the 15th European Conference on Fungal Genetics, 17-20 February 2020, Roma, Italy.
3. Member of the Scientific Committee of the V International Symposium on Postharvest Pathology, 19-24 May 2019, Liège, Belgium.
4. Organiser of the session "Pathogenicity and Resistance in Post-harvest Diseases-Part I" of the 11th International Congress of Plant Pathology (ICPP), 29 July - 3 August 2018, Boston, USA.
5. Organiser of the session "Novel and Integrated Approaches to Control Post-harvest Diseases - Part II" dell'11th International Congress of Plant Pathology (ICPP), 29 July - 3 August 2018, Boston, USA.
6. Member of the Scientific Committee of the 8th International Symposium on Seed, Transplant and Stand Establishment of Horticultural Crops (SEST2018), 12-16 August 2018, Istanbul, Turkey.
7. Member of the Scientific Committee of the IV International Symposium on Postharvest Pathology, 28 May - 3 June 2017, Kruger National Park, Skukuza Camp, South Africa.
8. Member of the Scientific Committee of the 3rd Symposium on Organic Greenhouse Horticulture, 11-14 April 2016, Izmir, Turkey.
9. Member of the Scientific Committee of the International Symposium on Sustainable Fruit Production, 21-24 March 2016, Donja Stubica, Croatia.
10. Member of the Scientific Committee and of the Organizing Committee of the XXI National Congress of the Società Italiana di Patologia Vegetale (SIPaV), 21-23 September 2015, Turin, Italy.
11. Member of the Organizing Committee of the III International Symposium on Postharvest Pathology: Using science to increase food availability, 7-11 June 2015, Bari, Italy.
12. Member of the Scientific Committee of the 2nd Symposium on Organic Greenhouse Horticulture, 28-31 October 2013, Avignon, France.
13. Member of the Local Organizing Committee of the 9th International Congress of Plant Pathology (ICPP), 24-29 August 2008, Turin, Italy.

CHAIR AT INTERNATIONAL CONGRESSES:

1. Chair of the Evening Session 'Agricultural practice for the management of post-harvest diseases' at the 9th International Congress of Plant Pathology, Torino, Italy.
2. Chair of the I Evening session 'Post-harvest diseases' at the 10th International Congress of Plant Pathology, Beijing, China.
3. Chair of the II Evening session 'Post-harvest diseases' at the 10th International Congress of Plant Pathology, Beijing, China.

4. Chair of the session 'The microbiome and its relation to postharvest pathology' at the III International Symposium on Postharvest Pathology: Using science to increase food availability, Bari, Italy.
5. Chair of the workshop "Current Issues in Food Safety and Post-Harvest Pathology" organized in the 11th International Congress of Plant Pathology (ICPP), Boston, United States.
6. Chair of the Session "Elucidation of host pathogen interactions/Molecular exploration of host-pathogen interactions" organized in the V International Symposium on Postharvest Pathology, Liège, Belgium.

INVITED SPEAKER AT INTERNATIONAL CONGRESSES:

1. VI International Symposium on Postharvest Pathology (Cyprus, 2022).
2. International Conference on "Industrial perspective, challenges and strategies in the development of novel bio-pesticides: Its implication in sustainable pest and disease management" (India, 2021).
3. International Workshop on 'The Fruit Microbiome: A New Frontier' (United States, 2019).
4. International Conference on "Climate change – Impacts on food and nutrition security" (Trinidad and Tobago, 2018).
5. 11th International Congress of Plant Pathology (ICPP) (United States, 2018).
6. 3rd Symposium on Organic Greenhouse Horticulture (Turkey, 2016).
7. III International Symposium on Postharvest Pathology: Using science to increase food availability (Italy, 2015).
8. 11th Arab Congress of Plant Protection (Jordan, 2014),
9. 2014 International Congress on Biological Control of Plant Diseases (China, 2014);
10. 2nd ISHS International Symposium on Organic Greenhouse Horticulture (France, 2013);
11. 10th International Congress of Plant Pathology (China, 2013);
12. 2nd International Symposium on Discovery and Development of Innovative Strategies for Postharvest Disease Management (Turkey, 2013);
13. Biological Control of Postharvest Diseases - Challenges and Opportunities (United States, 2010).

ARTICLES PUBLISHED ON ISI JOURNALS WITH IMPACT FACTOR BETWEEN 2018 AND 2022

- PRENCIPE S., GARIBALDI A., SPADARO D. (2018) *Pseudomonas syringae* pv. *actinidiae* isolated from *Actinidia chinensis* var. *deliciosa* in Northern Italy: genetic diversity and virulence. *European Journal of Plant Pathology*, 150, 191-204. DOI: 10.1007/s10658-017-1267-9 (IF: 1.744)
- PRENCIPE S., SICILIANO I., CONTESSA C., BOTTA R., GARIBALDI A., GULLINO M.L., SPADARO D. (2018) Characterization of *Aspergillus* section *Flavi* isolated from fresh chestnuts and along the chestnut flour process. *Food Microbiology*, 69, 159-169. DOI: 10.1016/j.fm.2017.08.004 (IF: 4.089)
- CHIALVA M., SALVIOLI DI FOSSALUNGA A., DAGHINO S., GHIGNONE S., BAGNARESI P., CHIAPELLO M., NOVERO M., SPADARO D., PEROTTO S., BONFANTE P. (2018) Native Soils with Their Microbiotas Elicit a State of Alert in Tomato Plants. *New Phytologist*, 220 (4), 1296-1308. DOI: 10.1111/nph.15014 (IF: 7.299)
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