



## MARIA LODOVICA GULLINO

Professore ordinario di Patologia vegetale all'Università di Torino, è Direttore del Centro di Competenza per l'Innovazione in campo agro-ambientale e agro-alimentare (AGROINNOVA), Presidente dell'International Society for Plant Pathology (ISPP) per il periodo 2008-2013 e Vice-Rettore per l'Internazionalizzazione e la Ricerca dell'Università di Torino fino al 2013. E' attualmente Presidente della Società Italiana di Patologia vegetale (SIPaV). Ha svolto tutta la sua carriera scientifica presso l'Università di Torino ma ha trascorso negli anni 1980 lunghi periodi di ricerca - per un totale di 4 anni - presso Università olandesi (Università di Wageningen) e americane (Maryland University, Cornell University, Pennsylvania State University). E' coautore di 23 libri e autore e/o coautore di oltre 900 articoli scientifici e rassegne, gran parte delle quali pubblicate su Riviste internazionali. Dal 2008 è coordinatore per la casa editrice Springer di una collana di volumi su "Plant Pathology in the 21<sup>st</sup> Century".

Responsabile di numerosi progetti di ricerca finanziati dall'Unione Europea, da Agenzie internazionali, da diversi Ministeri e Regioni, ha organizzato numerosi convegni nazionali e internazionali, tra cui il 9° Congresso Internazionale di Patologia vegetale, svoltosi a Torino nel 2008. Dal 2000 coordina numerosi progetti di trasferimento tecnologico nel settore dell'agricoltura sostenibile in Cina e in altri Paesi in via di sviluppo e a economia emergente.

Direttore di Corsi di Alta formazione per funzionari del governo cinese e dei Paesi PECO su "Sviluppo sostenibile" presso la Venice International University, ha ricevuto nel 2002 il Premio internazionale Novamont su "Sviluppo sostenibile", nel 2004 la menzione al Salone Gamma Donna per le capacità imprenditoriali dimostrate con l'avvio del Centro AGROINNOVA, nel 2005 il premio Van Den Brande dell'Università di Gent per le ricerche svolte nel campo della patologia vegetale, nel 2008 la Paul Harris fellowship del Rotary International, nel 2010 il Premio UNICEF Piemonte per le attività svolte a livello internazionale nel campo dell'agricoltura sostenibile, nel 2011 ha ricevuto il premio ITWIIN Piemonte per l'innovazione in campo imprenditoriale ed è diventata Fellow dell'American Phytopathological Society e dell'International Society for Plant Pathology. Nel 2012 ha ricevuto il premio Bogianen.

Come pubblicista collabora regolarmente a numerose riviste tecniche, prestando particolare attenzione alla divulgazione dei risultati delle ricerche e in questa veste è autore di più di 300 articoli. Negli ultimi anni ha iniziato a scrivere libri per un pubblico più ampio: Spore (2014), Caccia all'alieno (2015), Valigie (2016), pubblicati da Daniela Piazza Editore, e Angelo il Dottore dei Fiori nel 2018, pubblicato da Edagricole. E' Past-President dell'Associazione Italiana Protezione delle Piante e dell'Associazione Italiana delle Società Scientifiche Agrarie. Direttore scientifico della Rivista Informatore Fitopatologico del gruppo editoriale Il Sole 24 Ore dal 2000 al 2007, dal 2008 è Direttore della Rivista "Protezione delle colture", lanciata da AGROINNOVA.

Nel 2009 ha avviato, insieme con altri due soci, uno spin-off accademico denominato AgriNewTech S.r.l., che si occupa di innovazione in agricoltura, di cui è stata amministratore unico fino a tutto il 2011.

## CURRICULUM VITAE



**MARIA LODOVICA GULLINO**

BORN IN SALUZZO (CN), OCTOBER 25<sup>TH</sup>, 1952

### **ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

2000: Full Professor in Plant Pathology, University of Torino  
1986: Associate Professor in Plant Pathology, University of Torino  
1980: Assistant Professor, Dept. Plant Pathology, University of Torino  
1978: Research fellow, Dept. Plant Pathology, University of Torino  
1975: Internship, Department of Botany, University of Torino

### **EDUCATION**

Director of the Centre of Competence for the Innovation in the agro-environmental sector (AGRINNOVA) of the University of Torino since 2003.  
Vice-Rector for the International Affairs of the University of Torino 2008-2013.  
Chair of the Committee for International Affairs of the University of Torino (1997-2008).  
1992: Visiting professor, Pennsylvania State University, State College, PA, USA (NATO Senior Fellowship).  
1987/1989: Visiting Professors, Cornell University, Geneva, N.Y., USA (Fulbright and National Research Council grants).  
1983/1984: Research fellow, University of Maryland, College Park, MD, USA (NATO Science grant).  
1982: Research fellow, Agricultural University, Wageningen, The Netherlands (University of Wageningen grant).  
1981: Research fellow, Agricultural University, Wageningen, The Netherlands (National Research Council grant).  
1980: First International Post-Graduate Course on Fungicide Resistance, Wageningen, The Netherlands.  
1975: Laurea in Scienze Biologiche, Università di Torino.  
1966/1971: Liceo Classico G.B. Bodoni, Saluzzo.

### **PROJECT EXPERIENCE AND MANAGEMENT**

Consultant of the Italian Ministry of Environment at National and International Workshops and at Intergovernmental Negotiations on topics related to the Montreal and Kyoto Protocols since 1994.  
Member of the board of directors of the Regional Environmental Centre for Central and Eastern Europe, Budapest.  
Programme Director of International High Level Courses on Sustainable Development for high officers of Chinese and Central and Eastern Europe Governments at Venice International University since 2003.  
Managed many research projects from EU (FP6, FP7, Horizon2020, Tempus, Life, Europaid), Ministry of University and Research, Ministry of Agriculture, Ministry of Environment, Regional Governments and Private Industry. Some of the projects (i.e. MED-CAMPUS, Peace Campus) are related with agriculture in the Middle East and in developing countries.  
Organized National and International Meetings and Workshops in the field of Plant Disease Management.  
Organized courses, at national and international level, for training technicians and researchers working in the extension service in the field of IPM.  
Responsible of several international projects in the field of sustainable agriculture for International Agencies.  
Responsible of the BS Course in Organic Farming and of the MS Course in Sustainable Agriculture at the University of Torino. Supervised several students in the preparation of their Master and Ph.D. thesis.  
Participation in different Committees of Italian Ministry for University and Research

(PRIN 2008; Internationalization).

Founder of AgriNewTech S.r.l., an academic spin-off and CEO until 2011.

## **PROFESSIONAL SOCIETY EXPERIENCE**

International Society for Plant Pathology, Vice-President(2003-2008), President (2008-2013), Immediate Past President since 2013

Associazione Società Scientifiche agrarie, President, 2002-2004

Associazione Italiana Protezione Piante, President, 1999-2004

Member of American Phytopathological Society, International Society Horticultural sciences; Società Italiana di Patologia vegetale, British Society for Plant Pathology.

## **MAIN FIELDS OF RESEARCH**

Sustainable crop protection in the frame of sustainable agriculture and environment protection: development and implementation of environmentally friendly plant protection strategies and transfer of technologies in developing countries and emerging economies, with special reference to China and countries of Central and Eastern Europe.

Plant and food biosecurity: evaluation of the risk of deliberate introduction of plant pathogens; prevention and mitigation. Emerging diseases.

Climate change: effects of climate change on agriculture, food security and plant diseases; mitigation.

Biological and integrated control of plant pathogens: selection of biocontrol agents, study of their mechanisms of action, improvement of their activity throughout protoplast fusion and genetic manipulation; evaluation of their activity and of the risks connected with their release into the environment. Evaluation of the risks related to the release of genetically manipulated and not microorganisms.

Resistance to fungicides in fungal pathogens: evaluation of biological characteristics of fungicide resistant strains of several pathogens; dynamic of resistant populations, monitoring of fungal populations; development and implementation of anti-resistance strategies.

Problems related to the use of fungicides and fumigant in plant disease management: technical, economical, social and political implications of plant disease management with restricted pesticides. Environmental aspects of some agricultural practices.

Disease of ornamentals and turf: chemical, biological and integrated control of disease of carnation, cyclamen, rose, bulb crops. Disease of turfgrass.

Post harvest diseases of apples and citrus: chemical and biological control.

Food safety and food security. Mycotoxin prevention.

Renewable energy sources: biomass; compost.

## **PUBLICATIONS**

Wrote 800 research papers, 200 feature articles and 21 books. Some of the extension and technical publications are in Italian.

Scopus: 431 international publications; 4142 citations; h index 33.

Professional journalist (Ordine giornalisti n. 099598) since 2003 and author of popular books.

Editor of *Informatore Fitopatologico*, scientific Journal belonging to the Il Sole 24 Ore Group (200-2008) and of *Protezione delle Colture* (ACE International), since 2009.

## **PRIZES**

2003 - Novamont International Prize on "Sustainable development"

2004 - Special mention at the Salone Nazionale dell'Imprenditoria femminile GAMMA DONNA, organized by the Unione Industriali of Torino, for the innovation and creativity shown with the development of AGROINNOVA

2005 - Van Den Brande Prize, University of Gent

2010 – UNICEF Piemonte, for her work in developing countries

2011 – Fellow of the American Phytopathological Society, for her scientific achievements

2011 – ITWIIN Special Prize for Innovation

2012 – Bogianen Prize, Chamber of Commerce of Torino.

## **LANGUAGES**

English: good in reading, writing and speaking.

French: good in reading and speaking, fair in writing.

Spanish: fair in reading, writing and speaking.

## PUBBLICAZIONI 2011

### RIVISTE ISI

1. Amein T., Wright S., Vikström M., Koch E., Schmitt A., Stephan D., Tinivella F., Gullino M.L., Forsberg G., Jahn M., Werner S., Van der Wolf J., Groot S. (2011) Evaluation of non-chemical seed treatment methods for control of *Alternaria brassicicola* on cabbage seeds. *Journal of Plant Diseases and Protection*, 118 (6), 118 (6), 214-221.
2. Battilani P., Gualla A., Dall'Asta C., Pellacani C., Galaverna G., Giorni P., Caglieri A., Tagliaferri S., Spadaro D., Pietri A., Dossena A., Marchelli R., Gullino M.L., Costa L.G. (2011) Phomopsins: an overview of phytopathological and chemical aspects, toxicity, analysis and occurrence. *World Mycotoxin Journal*, 4, 345-359.
3. Garibaldi A., Bertetti D., Amatulli M. T., Gullino M. L. (2011) First report of Leaf spot of Fan Columbine (*Aquilegia flabellata*) caused by *Phoma aquilegiicola* in Italy. *Plant Disease*, 95, 880.
4. Garibaldi A., Bertetti D., Amatulli M. T., Gullino M. L. (2011) First report of Septoria spot of Clementine caused by *Septoria citri* in Italy. *Plant Disease*, 95, 873.
5. Garibaldi A., Bertetti D., Amatulli M. T., Gullino M. L. (2011) First report of Stem canker and die-back of *Rhododendron* caused by *Botryosphaeria parva* in Italy. *Journal of Plant Pathology*, , 4, 69.
6. Garibaldi A., Bertetti D., Amatulli M.T., Gullino M.L. (2011) Powdery mildew caused by *Golovinomyces cichoracearum* on moth mullein (*Verbascum blattaria*) in Italy. *Plant Disease*, 95, 225.
7. Garibaldi A., Bertetti D., Moretti C., Buonauro R., Gullino M. L. (2011) First report of bacterial blight caused by an unknown *Erwinia* sp. on *Verbena hybrida* in Italy. *Journal of Plant Pathology*, 93, 243.
8. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M. L. (2011) First report of a *Fusarium oxysporum* causing wilt on Jade plant (*Crassula ovata*) in Italy. *Plant Disease*, 95, 1191.
9. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2011) First report of black rot caused by *Phomopsis cucurbitae* on cantaloupe (*Cucumis melo*) in Piedmont region of northern Italy. *Plant Disease*, 95, 1317.
10. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2011) First report of Sclerotinia blight caused by *Sclerotinia sclerotiorum* on Fan Columbine (*Aquilegia flabellata*) in Italy. *Plant Disease*, 95, 1481.
11. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2011) First report of *Verticillium* wilt caused by *Verticillium dahliae* on *Coleus verschaffeltii* in Italy. *Plant Disease*, 95, 878.
12. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2011) Severe outbreaks of powdery mildew caused by *Podosphaera* sp. on common phlox (*Phlox drummondii*) in Italy. *Journal of Plant Pathology*, 4, 84.
13. Garibaldi A., Bertetti D., Rapetti S., Gullino M. L. (2011) First report of a new *Fusarium oxysporum* causing wilt on Carnation (*Dianthus caryophyllus*) in Colombia. *Journal of Plant Pathology*, 4, 74.
14. Garibaldi A., Gilardi G., Bertoldo C., Gullino M. L. (2011) First report of leaf spot of rocket (*Eruca sativa*) caused by *Fusarium equiseti* in Italy. *Plant Disease*, 95, 1315.
15. Garibaldi A., Gilardi G., Bertoldo C., Gullino M.L. (2011) First report of leaf spot of rocket (*Eruca vesicaria*) caused by *Fusarium equiseti* in Italy. *Plant Disease*, 95, 1315.
16. Garibaldi A., Gilardi G., Bertoldo C., Gullino M.L. (2011) First report of leaf spot of wild (*Diplotaxis tenuifolia*) and cultivated (*Eruca vesicaria*) rocket caused by *Alternaria japonica* in Italy. *Plant Disease*, 95, 1316.
17. Garibaldi A., Gilardi G., Cogliati E., Gullino M.L. (2011) Silicon and increased electrical conductivity reduce downy mildew of soilless grown lettuce. *European Journal of Plant Pathology*, 132, 123-132.
18. Garibaldi A., Gilardi G., Gullino M.L. (2011) Effect of potassium silicate and electrical conductivity in reducing powdery mildew of hydroponically grown tomato. *Phytopathologia Mediterranea*, 50, 1-11.
19. Garibaldi A., Gilardi G., Poli A., Gullino M. L. (2011) First report of *Fusarium* wilt of chicory (*Cichorium intybus*) caused by *Fusarium oxysporum* in Italy. *Plant Disease*, 95, 496.
20. Garibaldi A., Pensa P., Bertetti D., Poli A., Gullino M. L. (2011) First report of basal stem rot of Apple Cactus (*Cereus peruvianus monstrosus*) caused by *Fusarium oxysporum* in Italy. *Plant Disease*, 95, 877.
21. Gilardi G., Baudino M., Garibaldi A., Gullino M.L. (2011) Efficacy of biocontrol agents and natural compounds against powdery mildew of zucchini. *Phytoparasitica*, DOI 10.1007/s12600-011-0206-0.
22. Gullino M. L., Pugliese M., Garibaldi A. (2011) Control of soil-borne plant pathogens by microorganisms isolated from suppressive composts. *Phytopathology*, 101, S66. (abstract)
23. Gullino M.L., Spadaro D., Lorè A. (2011) Selection of antagonistic yeasts for the control of *Salmonella enterica* serovar *typhimurium* on fresh cut lettuce. *Phytopathology*, 101 (6), S66. (abstract)
24. Gullino M.L., Spadaro D., Zhang D., Garibaldi A. (2011) Cloning glucanase and chitinase genes from antagonistic yeasts for postharvest disease control. *Phytopathology*, 101 (6), S66. (abstract)
25. Gullino M.L., Spadaro D., Gilardi G., Garibaldi A. (2011) Molecular characterization through IGS sequencing of *formae speciales* of *Fusarium oxysporum* pathogenic on lamb's lettuce and rocket. *Phytopathology*, 101 (6), S65. (abstract)
26. Gullino M.L., Thomas E., Henry C., Dehna H., Suffert F., Bonifert M., Mumford J., Alpas H., Bertin A., Marelli F., Gamliel A., Fletcher J., Stack J. (2011) Plant and food biosecurity: a European Union network of excellence. *Phytopathology*, 101 (6), S65. (abstract)
27. Lopez-Reyes J.G., Spadaro D., Gullino M.L., Garibaldi A. (2011) Efficacy of plant essential oils on the control of postharvest rots of stone fruits. *Journal of Essential Oil Research*, 23, 128. (abstract)

28. Lopez-Reyes J.G., Spadaro D., Gullino M.L., Garibaldi A. (2011) Efficacy of plant essential oils on the control of *Botrytis cinerea* and *Penicillium expansum* on four cultivars of apple. *Journal of Essential Oil Research*, 23, 127. (abstract)
29. Minerdi D., Bossi S., Maffei M., Gullino M.L., Garibaldi A. (2011) *Fusarium oxysporum* and its bacterial consortium promote lettuce growth and expansin A5 gene expression through microbial volatile organic compound (MVOC) emission. *FEMS Microbiology Ecology*, 76, 342-351.
30. Mocioni M., Gullino M.L., Garibaldi A. (2011) Sensitivity of *Sclerotinia homoeocarpa* isolates from turfgrass in Italy to demethylation-inhibiting (DMI) fungicides and iprodione. *Phytopathologia Mediterranea*, 50 (3), 408-413.
31. Patharajan S., Reddy K.R.N., Karthikeyan V., Spadaro D., Lorè A., Gullino M.L., Garibaldi A. (2011) Potential of yeasts antagonists on in vitro biodegradation of ochratoxin A. *Food Control*, 22, 290-296.
32. Pugliese M., Liu B.P., Gullino M.L., Garibaldi A. (2011) Microbial enrichment of compost with biological control agents to enhance suppressiveness to four soil-borne diseases in greenhouse. *Journal of Plant Disease and Protection*, 118, 45-50.
33. Reddy K.R.N., Spadaro D., Gullino M.L., Garibaldi A. (2011) Potential of two *Metschnikowia pulcherrima* (yeast) strains for in vitro biodegradation of patulin. *Journal of Food Protection*, 74, 154-156.
34. Seglie L., Spadaro D., Trotta F., Devecchi M., Gullino M.L., Scariot V. (2011) Use of 1-Methylcyclopropene in cyclodextrin-based nanospheres to control grey mould caused by *Botrytis cinerea* on *Dianthus caryophyllus* cut flowers. *Postharvest Biology and Technology*, 64, 55-57.
35. Spadaro D., Lopez-Reyes J.G., Garibaldi A., Gullino M.L. (2011) Use of *Lamiaceae* essential oils to control postharvest rots of stone fruits. *Journal of Plant Pathology*, 93, S4, 58. (abstract)
36. Spadaro D., Lorè A., Amatulli M.T., Garibaldi A., Gullino, M.L. (2011) First report of *Penicillium griseofulvum* causing blue mold on stored apples in Italy (Piedmont). *Plant Disease*, 95, 76.
37. Spadaro D., Lorè A., Garibaldi A., Gullino M.L. (2011) Use of a novel strain of *Metschnikowia* sp. to control *Penicillium expansum* and patulin contamination on apples in postharvest. *Journal of Plant Pathology*, 93, S4, 58. (abstract)
38. Spadaro D., Patharajan S., Karthikeyan M., Lorè A., Garibaldi A., Gullino M.L. (2011) Specific PCR primers for the detection of isolates of *Aspergillus carbonarius* producing ochratoxin A on grapevine. *Annals of Microbiology*, 61, 267-272.
39. Spadaro D., Patharajan S., Lorè A., Garibaldi A., Gullino M.L. (2011) Specific PCR primers for the detection of isolates of *Aspergillus carbonarius* producing ochratoxin A on grapevine. *Journal of Plant Pathology*, 93, S4, 58-59. (abstract)
40. Spadaro D., Patharajan S., Lorè A., Gullino M.L., Garibaldi A. (2011) In vitro biodegradation of ochratoxin A by yeast antagonists. *Journal of Plant Pathology*, 93, S4, 58. (abstract)
41. Spadaro D., Pellegrino C., Garibaldi A., Gullino M.L. (2011) Development of SCAR primers for the detection of *Cadophora luteo-olivacea* on kiwifruit and pome fruit and of *C. malorum* on pome fruit. *Phytopathologia Mediterranea*, 50 (3), 461-472.
42. Zhang D., Spadaro D., Garibaldi A., Gullino M.L. (2011) Potential biocontrol activity of a strain of *Pichia guilliermondii* against grey mould of apples and its possible modes of action. *Biological Control*, 57, 193-201.
43. Zhang D., Spadaro D., Valente S., Garibaldi A., Gullino M.L. (2011) Chitinases, glucanases and proteases are involved in the mechanism of action of yeast antagonists of postharvest rots. *Journal of Plant Pathology*, 93, S4, 22. (abstract)
44. Zhang D., Spadaro D., Valente S., Garibaldi A., Gullino M.L. (2011) Cloning, characterization and expression of an exo-1,3-beta-glucanase gene from the antagonistic yeast, *Pichia guilliermondii* strain M8 against grey mold on apples. *Biological Control*, 59, 284-293.
45. Zhang D., Spadaro D., Valente S., Garibaldi A., Gullino M.L. (2011) Cloning, characterization, expression and antifungal activity of an alkaline serine protease of *Aureobasidium pullulans* PL5 involved in the biological control of postharvest pathogens. *International Journal of Food Microbiology*, 153, 453-464.

## PUBBLICAZIONI 2012

### RIVISTE ISI

1. Amatulli M.T., Spadaro D., Gullino M.L., Garibaldi A. (2012) Conventional and Real-Time PCR for the identification of *Fusarium fujikuroi* and *Fusarium proliferatum* from diseased rice tissues and seeds. *European Journal of Plant Pathology*, 134, 401,408.
2. Cogliati E., Gilardi G., Gullino M.L., Garibaldi A. (2012) Effect of electrical conductivity and silicate on infection of basil with *Colletotrichum gloeosporioides* in soilless culture. *Journal of Phytopathology*, 160, 647-654.
3. Colla P., Gilardi G., Gullino M. L. (2012) A review and critical analysis of the European situation of soilborne disease management in the vegetable sector. *Phytoparasitica*, 40, 515-523.
4. Garibaldi A., Bertetti D., Amatulli M. T., Cardinale J., Gullino M. L. (2012) First report of postharvest Fruit Rot in avocado (*Persea americana*) caused by *Lasiodiplodia theobromae* in Italy. *Plant Disease*, 96, 460.
5. Garibaldi A., Bertetti D., Amatulli M.T., Gullino M.L. (2012) Powdery mildew (*Golovinomyces cichoracearum*) on Michaelmas Daisy (*Aster novi-belgii*) in Italy. *Journal of Plant Pathology*, 94, 54-88.

6. Garibaldi A., Bertetti D., Martini P., Repetto L., Gullino M. L. (2012) *Golovinomyces biocellatus* on Oregano (*Origanum vulgare* 'Compactum') in Italy. *Plant Disease*, 96, 457.
7. Garibaldi A., Bertetti D., Pensa P., Amatulli M. T., Gullino M. L. (2012) First report of Web blight on winter savory (*Satureja Montana* "Repandens") caused by *Rhizoctonia solani* AG-1-IA in Italy, *Plant Disease*, 96, 585.
8. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M. L. (2012) Powdery mildew caused by *Podosphaera* sp. on *Euphorbia perdrofiana* and *E. aggregata* in Italy. *Journal of Plant Pathology*, 94, S4, 97.
9. Garibaldi A., Bertetti D., Poli A., Bizioli L., Gullino M. L. (2012) First report of Root rot caused by *Phytophthora cinnamomi* on Mountain Laurel (*Kalmia latifolia*) in Italy. *Plant Disease*, 1381
10. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2012) Powdery mildew (*Golovinomyces orontii*) on Creeping Bellflower (*Campanula rapunculoides*) in Italy. *Plant Disease*, 96, 291.
11. Garibaldi A., Bertetti D., Poli A., Gullino M.L. (2012) First report of Fruit rot in pear caused by *Botryosphaeria dothidea* (Moug. : Fr.) Ces. & De Not. in Italy. *Plant Disease*, 96, 910.
12. Garibaldi A., Bertetti D., Poli A., Gullino M.L. (2012) First report of Leaf spot of garden lupin (*Lupinus polyphyllus* Lindl.) caused by *Pleiochaeta setosa* Kirchn. in Italy. *Plant Disease*, 96, 909.
13. Garibaldi A., Gilardi G., Baudino M., Ortu G., Gullino M.L. (2012) *Colletotrichum coccodes*: a soil-borne pathogen dangerous to a pepper rootstock in Italy. *Journal of Plant Pathology*, 94, S4 102.
14. Garibaldi A., Gilardi G., Ortu G., Gullino M. L. (2012) First report of rust caused by *Pucciniastrum circaeae* on *Fuchsia x Hybrida* in Italy. *Plant Disease*, 96, 588.
15. Garibaldi A., Gilardi G., Ortu G., Gullino M. L. (2012) First report of leaf spot of lettuce (*Lactuca sativa* L.) caused by *Phoma tropica* in Italy. *Plant Disease*, 96, 1380.
16. Garibaldi A., Gilardi G., Ortu G., Gullino M. L. (2012) First report of *Plectosphaerella cucumerina* on wild rocket (*Diplotaxis tenuifolia*) in greenhouses in Italy. *Plant Disease*, 96, 1825.
17. Garibaldi A., Gilardi G., Ortu G., Gullino M. L. (2012) *Phytophthora capsici*: a soilborne pathogen dangerous on grafted tomato (*Solanum lycopersicum* x *S. hirsutum*) in Italy. *Plant Disease*, 96, 1830.
18. Gilardi G., Baudino M., Garibaldi A., Gullino M.L. (2012) Efficacy of biocontrol agents and natural compounds against powdery mildew of zucchini. *Phytopatistica*, 40, 147-155.
19. Moretti M., Minerdi D., Gehrig P., Garibaldi A., Gullino M.L., Riedel K. (2012) A bacterial-fungal metaproteomic analysis enlightens an intriguing multicomponent interaction in the Rhizosphere of *Lactuca sativa*. *Journal of Proteome Research*, 11, 2061-2077.
20. Ortu G., Bertetti D., Gullino M.L., Garibaldi A. (2012) A new *forma specialis* of *Fusarium oxysporum* on *crassula ovata*. *Journal of Plant Pathology*, in stampa.
21. Poli A., Gilardi G., Spadaro D., Gullino M.L., Garibaldi A. (2012) Molecular characterization of *Fusarium oxysporum* f.sp. *cichoriae* forma specialis nova pathogenic on chicory (*Cichorium intybus*). *Phytoparasitica*, 40, 383-391.
22. Prella A., Spadaro D., Garibaldi A., Gullino M.L. (2012) Aflatoxin monitoring in Italian hazelnut products by LC-MS, Food additives and contaminants: Part B: Surveillance, 5 (4), 279-285.
23. Pugliese M., Liu J., Titone P., Garibaldi A., Gullino M.L. (2012) Effects of elevated CO<sub>2</sub> and temperature on interactions of zucchini and powdery mildew. *Phytopathologia mediterranea*, 480-487.
24. Seglie L., Spadaro D. Trotta F., Devecchi M., Gullino M.L., Scariot V. (2012) Use of 1-Methylcyclopropene in cyclodextrin-based nanosponges to control grey mould caused by *Botrytis cinerea* on *Dianthus caryophyllus* cut flowers. *Postharvest Biology and Technology*, 64, 55-57.
25. Spadaro D., Lorè A., Garibaldi A., Gullino M.L. (2012) A new strain of *Metschnikowia fructicola* for postharvest control of *Penicillium expansum* and patulin accumulation on four cultivars of apple. *Postharvest Biology and Technology*.
26. Spadaro D., Patharajan S., Lorè A., Garibaldi A., Gullino M.L. (2012) Monitoring of ochratoxigenic *Aspergillus* species on grapevine in northern Italy through an improved PCR-RFLP detection method. *Toxins*, 4 (2), 42-54.
27. Srinivasan K., Spadaro D., Poli A., Gilardi G., Gullino M.L., Garibaldi A. (2012) Genetic diversity and pathogenicity of *Fusarium oxysporum* isolated from wilted rocket plants in Italy. *Phytoparasitica*, 40, 157-170.
28. Zhang D. Spadaro D., Valente S., Garibaldi A., Gullino M.L. (2012) Cloning, characterization, expression and antifungal activity of an alkaline serine protease of *Aureobasidium pullulans* PL5 involved in the biological control of postharvest pathogens. *International Journal of Food Microbiology*, 153, 453-464.

## PUBBLICAZIONI 2013

### ISI JOURNALS

1. Caffi T., Gilardi G., Monchiero M., Rossi V. (2013) Production and release of asexual sporangia in *Plasmopara viticola*. *Phytopathology*, 103, 64-73.
2. Cogliati E.E., Gilardi G., Garibaldi A., Gullino M.L. (2013) Effects of increased conductivity of the nutrient solutions and of the addition of potassium silicate against *Alternaria japonica* on rocket (*Eruca vesicaria*) in soilless cultivation. *Journal of Plant Pathology*, 95, 25-31.

3. Ferrocino I., Chitarra W., Pugliese M., Gilardi G., Gullino M.L., Garibaldi A. (2013) Effect of elevated atmospheric CO<sub>2</sub> and temperature on disease severity of *Fusarium oxysporum* f. sp. *lactucae* on lettuce plants. *Applied Soil Ecology*, 72, 1-6.
4. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M.L. (2013) First report of crown and stem rot of crested molded Wax agave (*Echeveria agavoides*) caused by *Fusarium oxysporum* in Italy. *Plant Disease*, 97, 288.
5. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M.L. (2013) First report of web blight on Lavender (*Lavandula officinalis* L.) caused by *Rhizoctonia solani* AG-1-IB in Italy. *Journal of Plant Pathology*, 95, 661.
6. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M.L. (2013) First report of web blight on Oregano (*Origanum vulgare* L.) caused by *Rhizoctonia solani* AG-1-IB in Italy. *Plant Disease*, 97, 1119.
7. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M.L. (2013) First report of web blight on Rosemary (*Rosmarinus officinalis* L.) caused by *Rhizoctonia solani* AG-1-IA in Italy. *Plant Disease*, 97, 844.
8. Garibaldi A., Bertetti D., Poli A., Gullino M. L. (2013) First report of leaf spot of *Saponaria officinalis* caused by *Alternaria nobilis* in Italy. *Plant Disease*, 97, 424.
9. Garibaldi A., Bertetti D., Poli A., Gullino M.L. (2013) A leaf spot caused by *Phoma novae-verbascicola* on Black Mullein (*Verbascum nigrum* L.) in Italy. *Plant Disease*, 97, 1660.
10. Garibaldi A., Bertetti D., Poli A., Gullino M.L. (2013) Outbreak of downy mildew caused by *Peronospora digitalidis* on Common Foxglove (*Digitalis purpurea*) in Italy. *Journal of Plant Pathology*, 95, 660.
11. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2013) First report of downy mildew (*Plasmopara obducens*) on *impatiens walleriana* in Italy. *Journal of Plant Pathology*, 95, 449.
12. Garibaldi A., Gilardi G., Ortu G., Gullino M.L. (2013) *Phytophthora capsici*: a soilborne pathogen dangerous on grafted tomato (*Solanum lycopersicum* x *S. hirsutum*) in Italy. *Plant Disease*, 97, 1830.
13. Garibaldi A., Gilardi G., Ortu G., Gullino M.L. (2013) First report of a new leaf spot caused by *Plectosphaerella cucumerina* on field grown endive (*Cichorium endivia*) in Italy. *Plant Disease*, 97, 848.
14. Garibaldi A., Gilardi G., Ortu G., Gullino M.L. (2013) First report of damping-off caused by *Pythium aphanidermatum* on leaf beet (*Beta vulgaris* subsp. *vulgaris*) in Italy. *Plant Disease*, 97, 292.
15. Garibaldi A., Pensa P., Bertetti D., Poli A., Gullino M.L. (2013) First report of Sclerotinia blight caused by *Sclerotinia sclerotiorum* on Spearmint in northern Italy. *Plant Disease*, 97, 1384.
16. Garibaldi A., Rapetti S., Martini P., Repetto L., Bertetti D., Poli A., Gullino M.L. (2013) First Report of Verticillium Wilt caused by *Verticillium dahliae* Kleb. on New Zealand Spinach (*Tetragonia tetragonioides*) in Italy. *Plant Disease*, 97, 1, 145.
17. Gilardi G., Demarchi S., Garibaldi A., Gullino M.L. (2013) Management of downy mildew of sweet basil (*Ocimum basilicum*) caused by *Peronospora belbahrii* by means of resistance inducers, fungicides, biocontrol agents and natural products. *Phytoparasitica*, 41, 59-72.
18. Gilardi G., Baudino M., Moizio M., Pugliese M., Garibaldi A., Gullino M.L. (2013) Integrated management of *Phytophthora capsici* on bell pepper by combining grafting and compost treatment. *Crop Protection*, 53, 13-19.
19. Gilardi G., Gullino M.L., Garibaldi A. (2012) Critical aspects of grafting as a possible strategy to manage soilborne pathogens. *Scientia Horticulturae*, 149, 19,21
20. Gilardi G., Gullino M.L., Garibaldi A. (2013) Critical aspects of grafting as a possible strategy to manage soilborne pathogens. *Scientia Horticulturae*, 149, 19-21.
21. Gilardi G., Gullino M.L., Garibaldi A. (2013) Occurrence of *Alternaria* spp. in the seed of basil and its pathogenicity. *Journal of Plant Pathology*, 95, 41-47.
22. Gilardi G., Gullino M.L., Garibaldi A. (2013) Seed transmission of *Plectosphaerella cucumerina*, causal agent of leaf spot of *Diplotaxis tenuifolia* in Italy. *Phytoparasitica*, 41, 411-416.
23. Lopez-Reyes J.G., Spadaro D., Prella A., Garibaldi A., Gullino M.L. (2013) Efficacy of plant essential oils on post-harvest control of rots caused by fungi on different stone fruits in vivo. *Journal of Food Protection*, 76 (4), 631-639.
24. Matic S., Prella A., Gullino M.L., Garibaldi A., Spadaro D. (2013) - Expression of defence-related genes and production of phytoalexins in two rice cultivars with different level of resistance to *Fusarium fujikuroi*. *Journal of Plant Pathology*, 95, S4.27-S4.28.
25. Matic S., Spadaro D., Prella A., Gullino M.L., Garibaldi A. (2013) Light affects fumonisin production in strains of *Fusarium fujikuroi*, *Fusarium proliferatum*, and *Fusarium verticillioides* isolated from rice. *International Journal of Food Microbiology*, 166, 515-523.
26. Ortu G., Bertetti D., Gullino M.L., Garibaldi A. (2013) A new *forma specialis* of *Fusarium oxysporum* on *Crassula ovata*. *Journal of Plant Pathology*, 95, 1, 33-39.
27. Poli A., Bertetti D., Rapetti S., Gullino M.L., Garibaldi A. (2013) Characterization and identification of Colombian isolates of *Fusarium oxysporum* f. sp. *dianthi*. *Journal of Plant Pathology*, 95, 2, 255-263.
28. Poli A., Gilardi G., Spadaro D., Gullino M.L., Garibaldi A. (2012) Molecular characterization of *Fusarium oxysporum* f. sp. *cichorii* pathogenic on chicory (*Cichorium intybus*). *Phytoparasitica*, 40, 383.
29. Postma J., Clematis F., Hijhuis E.H., Someus E. (2012) Efficacy of four phosphate-mobilizing bacteria applied with an animal bone charcoal formulation in controlling *Pythium aphanidermatum* and *Fusarium oxysporum* f.sp *radicis lycopersici* in tomato. *Biological control*, 67, 284-291.
30. Prella A., Spadaro D., Denca A., Garibaldi A., Gullino M.L. (2013) Comparison of clean-up methods for ochratoxin A on wine, beer, roasted coffee and chili commercialized in Italy, *Toxins*, 5, 1827-1844.

31. Prelle A., Spadaro D., Garibaldi A., Gullino M.L. (2013) A new method for detection of five *Alternaria* toxins in food matrices based on LC-APCI-MS. *Food Chemistry*, 140, 161-167.
32. Prelle A., Spadaro D., Garibaldi A., Gullino M.L. (2013) Co-occurrence of aflatoxins and ochratoxin A in spices commercialized in Italy. *Food Control*, 39, 192-197.
33. Prelle A., Spadaro D., Garibaldi A., Gullino M.L. (2013) A new method to evaluate the occurrence of five *alternaria* toxins in different food matrices. *Journal of Plant Pathology*, 95, S4.57.
34. Ricciardi A., Castagna R., Ferrante I., Frascella F., Marasso S.L., Ricci A., Canavese G., Lorè A., Prelle A., Gullino M.L., Spadaro D. (2013) - Development of a microcantilever-based immunosensing method for mycotoxin detection. *Biosensors and Bioelectronics*, 40, 233-239.
35. Spadaro D., Lorè A., Garibaldi A., Gullino M.L. (2013) A new strain of *Metschnikowia fructicola* for postharvest control of *Penicillium expansum* and patulin accumulation on four cultivars of apple. *Postharvest Biology and Technology*, 75, 1-8.
36. Spadaro D., Matic S., Gullino M.L., Garibaldi A. (2013) - New microbial antagonists and thermotherapy as seed treatments against *Fusarium fujikuroi* on rice. *Journal of Plant Pathology*, 95, S4.63.
37. Vitali M., Chitarra W., Galetto L., Bosco D., Marzachi' C., Gullino M.L., Spanna F., Lovisolo C. (2013) Flavescence dorée phytoplasma deregulates stomatal control of photosynthesis in *Vitis vinifera*. *Annals of Applied Biology*, 162, 335-346.

## PUBBLICAZIONI 2014

### ISI JOURNALS

1. Banani H., Spadaro D., Zhang D., Matic S., Garibaldi A., Gullino M.L. (2014) Biocontrol activity of an alkaline serine protease from *Aureobasidium pullulans* expressed in *Pichia pastoris* against four postharvest pathogens on apple. *International Journal of Food Microbiology*, 182-183, 1-8.
2. Chitarra W., Decastelli L., Garibaldi A., Gullino M.L. (2014) Potential uptake of *Escherichia coli* O157:H7 and *Listeria monocytogenes* from growth substrate into leaves of salad plants and basil grown in soil irrigated with contaminated water. *International Journal of Food Microbiology*, 189, 139-145.
3. Ferrocino I., Gilardi G., Pugliese M., Gullino M.L., Garibaldi A. (2014) Shifts in ascomycete community of bisolarized substrate infested with *Fusarium oxysporum* f. sp. *conglutinans* and *F. oxysporum* f. sp. *basilici* by PCR-DGGE. *Applied Soil Ecology*, 81, 12-21.
4. Garibaldi A., Bertetti D., Ortu G., Gullino M. L. (2014) First report of Botrytis blight caused by *Botrytis cinerea* on *Rudbeckia fulgida* in Italy. *Journal of Plant Pathology*, 96 (4), 130.
5. Garibaldi A., Bertetti D., Ortu G., Gullino M. L. (2014) First report of Botrytis blight caused by *Botrytis cinerea* on *Rudbeckia hirta* in Italy. *Journal of Plant Pathology*, 96 (2), 604.
6. Garibaldi A., Bertetti D., Ortu G., Gullino M. L. (2014) First report of *Phoma novae-verbascicola* on moth mullein (*Verbascum blattaria* L.) in Italy. *Journal of Plant Pathology*, 96 (2), 436.
7. Garibaldi A., Bertetti D., Ortu G., Gullino M. L. (2014) First report of Verticillium wilt, caused by *Verticillium dahliae*, on *Phlox paniculata* in Italy. *Journal of Plant Pathology*, 96 (2), 608.
8. Garibaldi A., Bertetti D., Pensa P., Poli A., Gullino M.L. (2014) First report of stem rot on *Cereus peruvianus monstruosus* caused by *Bipolaris cactivora* (Petr.) Alcorn in Italy. *Plant Disease*, 98 (1), 159.
9. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M. L. (2014) First report of web blight on *Rebutia perplexa* caused by *Rhizoctonia solani* AG 2-2-IIIB in Italy. *Plant Disease*, 98, 697.
10. Garibaldi A., Gilardi G., Ortu G., Gullino M. L., (2014) First report of root rot caused by *Pythium aphanidermatum* on Bell Pepper (*Capsicum annuum* L.) in Italy. *Plant Disease* 98, (6), 854.
11. Garibaldi A., Pensa P., Bertetti D., Ortu G., Gullino M. L. (2014) First report of dry and soft rot of *Cereus marginatus* var. *cristata* caused by *Fusarium oxysporum* in Italy. *Plant Disease*, 98, 1441.
12. Gilardi G., Colla P., Pugliese M., Baudino M., Gullino M.L., Garibaldi A. (2014) Control of *Colletotrichum coccodes* on tomato by grafting and soil amendments. *Journal of Phytopathology*, 162 (2), 116-122.
13. Gilardi G., Demarchi S., Gullino M.L., Garibaldi A. (2014) Effect of simulated soil solarization and organic amendments on Fusarium Wilt of rocket and basil under controlled conditions. *Journal of Phytopathology*, 162, 557-566.
14. Gilardi G. Demarchi S., Gullino M.L, Garibaldi A. (2014) Managing Phytophthora crown and root rot on tomato by pre-plant treatments with biocontrol agents, resistance inducers, organic and mineral fertilizers under nursery conditions. *Phytopatologia Mediterranea*, 53, 3-13.
15. Lopez-Reyes J.G., Gilardi G., Garibaldi A., Gullino M.L (2014) Efficacy of bacterial and fungal biocontrol agents as seed treatments against *Fusarium oxysporum* f.sp. *lactucae* on lettuce. *Journal of Plant Pathology*, 96 (3), 535-539.
16. Matic S., Spadaro D., Garibaldi A., Gullino M.L. (2014) Antagonistic yeasts and thermotherapy as seed treatments to control *Fusarium fujikuroi* on rice. *Biological Control* 73, 59-67.
17. Monchiero M., Gullino M.L., Pugliese M., Spadaro D., Garibaldi A. (2014) Efficacy of different chemical and biological products in the control of *Pseudomonas syringae* pv *actinidiae* on kiwifruit, *Australasian Plant Pathology* DOI 10.1007/s13313-014-0328-1.



18. Prelle A., Spadaro D., Garibaldi A., Gullino M.L. (2014) Co-occurrence of aflatoxins and ochratoxin A in spices commercialized in Italy. *Food Control* 39, 192-197.

## PUBBLICAZIONI 2015

### ISI JOURNALS

1. Banani H., Spadaro D., Zhang D., Matic S., Garibaldi A., Gullino M.L. (2015) Postharvest application of a novel chitinase cloned from *Metschnikowia fructicola* and overexpressed in *Pichia pastoris* to control brown rot of peaches. *International Journal of Food Microbiology*, 199, 54-61.
2. Bertetti D., Ortu G., Gullino M.L., Garibaldi A. (2014) Contamination of seeds of iceland poppy (*Papaver nudicaule* L.) by *Fusarium oxysporum*. *Phytoparasitica*, 43, 189-196.
3. Bertoldo C., Gilardi G., Spadaro D., Gullino M.L., Garibaldi A. (2015) Genetic diversity and virulence of Italian strains of *Fusarium oxysporum* isolated from *Eustoma grandiflorum*. *European Journal of Plant Pathology*, 141 (1), 83-97.
4. Franceschini S., Chitarra W., Pugliese M., Gisi U., Gullino M.L., Garibaldi A. (2015) Detection of enteric bacteria and *Aspergillus fumigatus* in European compost and biochars. *Compost Science and Utilization*, submitted.
5. Garibaldi A., Bertetti D., Franco Ortega S., Gullino M.L. (2015) First report of web blight on Nettle-Leaved Bellflower caused by *Rhizoctonia solani* AG 1-IB in Italy. *Journal of Plant Pathology*, 97 (2), 396.
6. Garibaldi A., Bertetti D., Gilardi G., Franco Ortega S., Gullino M.L. (2015) First report of a leaf spot caused by *Alternaria* sp. on *Rubdeckia fulgida* in Italy. *Journal of Plant Pathology*, 97 (2), 400.
7. Garibaldi A., Bertetti D., Gilardi G., Ortu G., Gullino M.L. (2015) First report of a leaf spot of *Salvia leucantha* caused by *Alternaria* sp. in Italy. *Journal of Plant Pathology*, 97 (2), 391.
8. Garibaldi A., Bertetti D., Ortu G., Gullino M.L. (2015) First Report of Botrytis blight caused by *Botrytis cinerea* on Bolivian sage (*Salvia oxyphora* L.) in Italy. *Journal of Plant Pathology*, 97 (1), 219.
9. Garibaldi A., Bertetti D., Ortu G., Gullino M.L. (2015) First report of leaf spot of *Campanula glomerata* caused by *Alternaria* sp. in Italy. *Journal of Plant Pathology*, 97 (1), 214.
10. Garibaldi A., Bertetti D., Ortu G., Gullino M.L. (2015) First report of Sclerotinia blight caused by *Sclerotinia sclerotiorum* on *Gaillardia x grandiflora* in northern Italy. *Plant Disease*, 99, 729.
11. Garibaldi A., Bertetti D., Ortu G., Gullino M.L. (2015) First report of web blight on Rose Campion (*Lychnis coronaria*) caused by *Rhizoctonia solani* AG 1 - IB in Italy. *Plant Disease*, 99, 162.
12. Garibaldi A., Bertetti D., Pensa P., Franco Ortega S., Gullino M.L. (2015) First report of *Sclerotinia sclerotiorum* on Butterfly Lavender in Italy. *Journal of Plant Pathology*, 97 (2), 397.
13. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M.L. (2015) First report of *Fusarium oxysporum* f. sp. *echeveriae* causing wilt on *Echeveria tolimanensis* in Italy. *Plant Disease*, 99, 1039.
14. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M.L. (2015) *Phytophthora cryptogea* on common sage (*Salvia officinalis* L.) in Italy. *Plant Disease*, 99, 161.
15. Garibaldi A., Ortu G., Bertetti D., Gullino M.L. (2015) First report of web blight on Creeping Bellflower (*Campanula rapunculoides*) caused by *Rhizoctonia solani* AG 1-IB in Italy. *Plant Disease*, 99, 1037.
16. Gilardi G., Demarchi S., Gullino M.L., Garibaldi A. (2015) Management of leaf spot of wild rocket using fungicides, resistance inducers and a biocontrol agent, under greenhouse conditions. *Crop Protection*, 71, 39-44.
17. Gilardi G., Demarchi S., Gullino M.L., Garibaldi A. (2015) Nursery treatments with non-conventional products against crown and root rot, caused by *Phytophthora capsici*, on zucchini. *Phytoparasitica*, 43, 501-508.
18. Gilardi G., Demarchi S., Ortu G., Gullino M.L., Garibaldi A. (2015) Occurrence of *Alternaria japonica* on seeds of wild and cultivated rocket. *Journal of Phytopathology*, 163, 419-422.
19. Gilardi G., Pintore I., Demarchi S., Gullino M.L., Garibaldi A. (2015) Seed dressing to control downy mildew of basil. *Phytoparasitica*, 43, 531-539.
20. Gilardi G., Pugliese M., Chitarra W., Ramon I., Gullino M.L., Garibaldi A. (2015) Effect of elevated atmospheric CO<sub>2</sub> and temperature increases on the severity of basil downy mildew caused by *Peronospora belbahrii* under phytotron conditions. *Journal of Phytopathology*, 97 S34.
21. Gullino M.L., Daughtreu M.L., Garibaldi A., Elmer W.H. (2015) *Fusarium* wilts of ornamental crops and their management. *Crop Protection*, 73, 50-59.
22. Monchiero M., Gullino M.L., Pugliese M., Spadaro D., Garibaldi A. (2015) Efficacy of different chemical and biological products in the control of *Pseudomonas syringae* pv *actinidiae* on kiwifruit, *Australasian Plant Pathology*, 44, 13-23.
23. Ortu G., Bertetti D., Gullino M.L., Garibaldi A. (2015) *Fusarium oxysporum* f. sp. *echeveriae*, a novel *forma specialis* causing crown and stem rot of *Echeveria agavoides*. *Phytopathologia Mediterranea*, 54 (1), 64-75.
24. Ortu G., Bertetti D., Martini P., Gullino M.L., Garibaldi A. (2015) *Fusarium oxysporum* f. sp. *papaveris*: a new *forma specialis* isolated from iceland poppy (*Papaver nudicaule*). *Phytopathologia Mediterranea*, 54 (1), 76-85.

25. Podda R., Delli Castelli D., Digillio G., Gullino M.L., Aime S. (2015) Asparagine in plums detected by CEST – MRI. *Food Chemistry*, 169,1-4.
26. Siciliano I., Amaral Carneiro G., Spadaro D., Garibaldi A., Gullino M.L. (2015) Jasmonic acid, abscisic acid and salicylic acid are involved in the phytoalexin responses of rice to *Fusarium fujikuroi*, a high gibberellin producer pathogen. *Agricultural and Food Chemistry*, 63, 8134-8142.
27. Siciliano I., Ortu G., Gilardi G., Gullino M.L., Garibaldi A. (2015) Mycotoxin production in liquid culture and on plants infected with *Alternaria* spp. isolated from rocket and cabbage. *Toxins*, 7, 743-754.

## PUBBLICAZIONI 2016

### ISI JOURNALS

1. Arizzi M., Morra S., Pugliese M., Gullino M.L., Gilardi G., Valetti F. (2016) Biohydrogen and biomethane production sustained by untreated matrices and alternative application of compost waste. *Waste Management*, 56,151-157.
2. Bertetti D., Ortu G., Gullino M. L., Garibaldi A. (2016) Contamination of moth mullein (*Verbascum blattaria* L.) seeds by *Phoma novae-verbascicola*. *Journal of Plant Pathology*, 98 (2), 361-363.
3. Franceschini S., Chitarra W., Pugliese M., Gisi U., Gullino M.L., Garibaldi A. (2016) Quantification of *Aspergillus fumigatus* and enteric bacteria in European compost and biochar. *Compost Science and Utilization*, 24 (1), 20-29.
4. Franceschini S., Pugliese M., Garibaldi A., Gullino M.L. (2016) Microbiological features associated with the suppression of *Fusarium* wilt of lettuce studied by applying a single selected compost. *Compost Science and Utilization*, 24 (3), 182-189.
5. Garibaldi A., Bertetti D., Franco Ortega S., Gullino M.L. (2016) First report of botrytis blight caused by *Botrytis cinerea* on fruit-scented sage in Italy. *Journal of Plant Pathology*, 98 (1), 179.
6. Garibaldi A., Bertetti D., Franco Ortega S., Gullino M.L. (2016) Powdery mildew caused by *Golovinomyces magnicellulatus* on *Phlox paniculata* in Italy. *Journal of Plant Pathology*, 98 (1), 176.
7. Garibaldi A., Bertetti D., Franco Ortega S., Martini P., Gullino M.L. (2016) Powdery mildew caused by *Golovinomyces biocellatus* on lemon thyme (*Thymus × citriodorus*) “Aureus” in Italy. *Plant Disease*, 100, 2168.
8. Garibaldi A., Bertetti D., Franco Ortega S., Gullino M.L. (2016) Powdery mildew caused by *Golovinomyces cichoracearum* on black mullein (*Verbascum nigrum* L.) “Album” in Italy. *Journal of Plant Pathology*, 98,375.
9. Garibaldi A., Bertetti D., Ortu G., Gullino M.L. (2016) First report of volutella blight caused by *Pseudonectria buxi* on Japanese Boxwood (*Buxus microphylla*) in Italy. *Plant Disease*, 100, 1499.
10. Garibaldi A., Bertetti D., Pensa P., Franco Ortega S., Gullino M.L. (2016) First report of verticillium wilt caused by *Verticillium nonalfalfae* on *Pelargonium grandiflorum* in Italy. *Plant Disease*, 100, 2322.
11. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M.L. (2016) First report of *Fusarium oxysporum* causing wilt on *Astrophytum myriostigma* in Italy. *Plant Disease*, 100, 215.
12. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M.L. (2016) First report of stem rot caused by *Fusarium oxysporum* f. sp. *opuntiarum* on *Mammillaria zeilmanniana* in Italy. *Journal of Plant Pathology*, 98 (1), 172.
13. Garibaldi A., Franco Ortega S., Gilardi G., Gullino M.L. (2016) First report of leaf spot of *Campanula medium* L. caused by *Alternaria alternata* in Italy. *Plant Disease*, 100, 1947.
14. Garibaldi A., Franco Ortega S., Gilardi G., Gullino M.L. (2016) First report of a leaf spot caused by *Boeremia exigua* var. *linicola* on Autumn Sage (*Salvia greggii*) in Italy and worldwide. *Plant Disease*, 100, 1777.
15. Garibaldi A., Gilardi G., Berta F., Gullino M.L. (2016) Temperature and leaf wetness affect the severity of leaf spot on lettuce and wild rocket incited by *Fusarium equiseti*. *Phytoparasitica* 44, 681-687.
16. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of botrytis blight caused by *Botrytis cinerea* on *Anemone japonica* in Italy. *Plant Disease*, 100, 1246.
17. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of a leaf spot caused by *Boeremia exigua* var. *linicola* on Autumn Sage (*Salvia greggii*) in Italy and worldwide. *Plant Disease*, 100, 1777.
18. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of leaf spot caused by *Colletotrichum kahawae* on american sweetgum (*Liquidambar styraciflua*) in Italy. *Journal of Plant Pathology*, 98 (2), 370.
19. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. First report of leaf spot caused by *Colletotrichum fioriniae* on Mexican bush Sage (*Salvia leucantha*) in Italy. *Plant Disease*, 100, 654.
20. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of leaf spot of wild rocket (*Diplotaxis tenuifolia*) caused by *Myrothecium verrucaria* in Italy *Journal of Plant Pathology* 98, 690.
21. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of leaf spot of Lamb’s Lettuce (*Valerianella oleria*) caused by *Myrothecium roridum* in Italy. *Plant Disease* 100, 1237.
22. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2016) First report of leaf spot of spinach (*Spinacia oleracea*) caused by *Myrothecium verrucaria* in Italy. *Plant Disease*, 100, 1786.
23. Garibaldi A., Gilardi G., Ortu G., Gullino M.L. (2016) First Report of *Fusarium oxysporum* f. sp. *radicis-cucumerinum* causing wilt on Cucumber (*Cucumis sativus* L.) in Italy. *Plant Disease*, 100, 1791.

24. Garibaldi A., Gilardi G., Puglisi I., Cacciola S.O., Gullino M.L. (2016) First report of leaf spot caused by *Colletotrichum kahawae* on cultivated rocket (*Eruca sativa*) in Italy. *Plant Disease*, 100, 1240.
25. Gilardi G., Demarchi S., Gullino M.L., Garibaldi A. (2016) Evaluation of the short term effect of nursery treatments with phosphite-based products, acibenzolar-S-methyl, pelleted *Brassica carinata* and biocontrol agents, against lettuce and cultivated rocket fusarium wilt under artificial inoculation and greenhouse conditions. *Crop Protection*, 85, 23-32.
26. Gilardi G., Pugliese M., Gullino M.L., Garibaldi A. (2016) Simulated elevated atmospheric CO<sub>2</sub> and temperature affect the severity of bean and pelargonium rust. *Phytoparasitica*, 44,325-332.
27. Gilardi G., Webb C., Ortu G., Gullino M.L., Garibaldi A. (2016) Real-time PCR for rapid in planta detection of *Plectosphaerella cucumerina* on wild rocket (*Diplotaxis tenuifolia*), *Phytopathologia Mediterranea*,55 (2), 285-292.
28. Lopez-Reyes J.G., Gilardi G., Garibaldi A., Gullino M.L. (2016) In vivo evaluation of essential oils and biocontrol agents combined with hot water treatments on carrot seeds against *Alternaria radicina*. *Journal of Phytopathology*, 164, 131-135.
29. Lopez-Reyes J.G., Gilardi G., Garibaldi A., Gullino M.L. In vivo evaluation of essential oils and biocontrol agents combined with heat treatments of basil cv Genovese Gigante seeds against *Fusarium oxysporum* f.sp. *basilici*. *Phytoparasitica*, 44, 35-45.
30. Matic A., Bagnaresi P., Biselli C., Orru' L., Amaral Carneiro G., Siciliano I., Valè G., Gullino M.L., Spadaro D. Comparative transcriptome profiling of resistant and susceptible rice genotypes in response to the seedborne pathogen *Fusarium fujikuroi*. *BMC Genomics*, 17, 608.
31. Matic S., Garibaldi A., Gullino M.L., Spadaro D. Integration of biocontrol agents and thermotherapy to control *Fusarium fujikuroi* on rice seeds. In *Proceedings of the Meeting "Biocontrol and Microbial Ecology"*, Berlin (Germany), September 12-15, 2016, IOBC- WPRS 117, 88-91.
32. Pintore I., Gilardi G., Gullino M.L., Garibaldi A. Detection of mefenoxam-resistant strains of *Peronospora belbahrii*, the causal agent of basil downy mildew, transmitted through infected seeds. *Phytoparasitica*, 44, 563-569.
33. Prencipe S., Nari L., Vittone G., Gullino M.L., Spadaro D. (2016) Effect of bacterial canker caused by *Pseudomonas syringae* pv. *actinidiae* on postharvest quality and rots of kiwifruit 'Hayward'. *Postharvest Biology and Technology*, 113, 119-124.
34. Siciliano I, Spadaro D., Prella A., Vallauri D., Cavallero M.C., Garibaldi A., Gullino M.L. (2016) Use of cold atmospheric plasma to detoxify hazelnuts from aflatoxins, *Toxins*, 8 (125), 1-10.
35. Spadaro D., Gullino M.L., Garibaldi A. (2016) First report of postharvest rot caused by *Phomopsis longanae* on lychee commercialized in Italy. *Journal of Plant Pathology* 98, 688.

## PUBBLICAZIONI 2017

### ISI JOURNALS

1. Amaral Carneiro G., Matic S., Ortu G., Garibaldi A., Spadaro D., Gullino M.L. (2017) Development and validation of a TaqMan real time PCR assay for the specific detection and quantification of *Fusarium fujikuroi* in rice plants and seeds. *Phytopathology*, 107, 885-892.
2. Bertetti D., Gullino M.L., Garibaldi A. (2017) Susceptibility of some Papaveraceae plants to *Fusarium oxysporum* f. sp. *papaveris*. *Journal of Plant Disease and Protection*, 1-6
3. Bertetti D., Ortu G., Gullino M. L., Garibaldi A. (2017) Identification of *Fusarium oxysporum* f. sp. *opuntiarum* on new hosts of the Cactaceae and Euphorbiaceae families. *Journal of Plant Pathology*, Vol 99, 347-354.
4. Chitarra W., Perrone I., Avanzato C., Minio A., Boccacci P., Santini D., Gilardi G., Siciliano I., Gullino M.L., Delledonne M., Mannini F., Gambino G. (2017) Grapevine grafting: scion transcript profiling and defense-related metabolites induced by rootstocks. *Frontiers in Plant Science*, 8, 654.
5. Garibaldi A., Bertetti D., Franco Ortega S., Pensa P., Gullino M.L. (2017) First report of Botrytis blight caused by *Botrytis cinerea* on *Helichrysum bracteatum* in Italy. *Journal of Plant Pathology*, 99, 297.
6. Garibaldi A., Bertetti D., Matic S., Gullino M. L. (2017) A leaf spot caused by *Stagonosporopsis trachelii* on *Campanula trachelium* in Italy. *Journal of Plant Pathology*, 99, 540.
7. Garibaldi A., Bertetti D., Pensa P., Franco Ortega S., Gullino M.L. (2017) First report of Botrytis blight caused by *Botrytis cinerea* on *Calendula officinalis* in Italy. *Plant Disease* 101, 254.
8. Garibaldi A., Bertetti D., Pensa P., Matic S., Gullino M.L. (2017) First report of white mould caused by *Sclerotinia sclerotiorum* on Rosemary (*Rosmarinus officinalis* L.) in Italy. *Journal of Plant Pathology*, 99, 533-543.
9. Garibaldi A., Bertetti D., Pensa P., Ortu G., Gullino M.L. (2017) First report of *Fusarium oxysporum* causing wilt on *Euphorbia mamillaris* var. *variegata* in Italy, *Journal of Plant Pathology*, 99, 287-304.
10. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2017) First report of rust caused by *Coleosporium campanulae* on *Campanula rapunculoides* In Italy. *Journal of Plant Pathology*, 99, 287-304.

11. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2017) First Report of *Botrytis cinerea* on *Hydrangea paniculata* in Italy. Plant Disease,101, 1043
12. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2017) First report of stem rot caused by a *Pythium* Cluster B2a species on lettuce in Italy.Plant Disease, 101,1681.
13. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2017) Occurrence of *Fusarium equiseti* on *Raphanus sativus* seedlings in Italy. Plant Disease, 101,1548.
14. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2017) First report of Fusarium wilt on orange coneflower (*Rudbeckia fulgida*) in northern Italy. Plant Disease, 101,1546. -
15. Gilardi G. Matic S., Gullino M.L., Garibaldi A. (2017) First report of *Phoma herbarum* Causing Leaf Spot of Woodland sage (*Salvia nemorosa*) in Northern Italy. Plant Disease 101,1824
16. Gilardi G., Franco Ortega S., van Rijswijk P.C.J., Ortu G., Gullino M.L., Garibaldi A. (2016) A new race of *Fusarium oxysporum* f. sp. *lactucae* of lettuce. Plant Pathology, 66, 677-688
17. Gilardi G., Gisi U., Gullino M.L. Garibaldi A. (2017) Effect of elevated atmospheric CO<sub>2</sub> and temperature on the chemical and biological control of powdery mildew of zucchini and the Phoma leaf spot of leaf beet. European Journal of Plant Pathology, 148, 229-236.
18. Gilardi G., Gullino M.L., Garibaldi A (2017) Soil disinfestation with dimethyl disulfide for management of Fusarium wilt on lettuce in Italy. Journal of Plant Disease and Protection.124, 361-370.
19. Gilardi G., Pintore I., Gullino M.L., Garibaldi A (2017) Occurrence of *Fusarium equiseti* as a contaminant of *Diptotaxis tenuifolia* seeds. Journal of Plant pathology, 99, 245-248.
20. Gilardi G., Pons C., Gard B., Franco Ortega S., Gullino M.L. (2017) Presence of Fusarium wilt, incited by *Fusarium oxysporum* f. sp. *lactucae*, on lettuce in France. Plant Disease, 101, 1053.
21. Giordano L., Giorcelli, Gonthier P., Gullino M.L. (2017) First report of leaf rust caused by *Melampsora magnusiana* on *Populus alba* in Italy. Journal of Plant Pathology, 99, 535.
22. Gullino M.L., Gilardi G., Garibaldi A. (2017) Effect of a climate change scenario on *Fusarium equiseti* leaf spot on wild rocket and radish under phytotron simulation. Phytoparasitica, 45, 293-298.
23. Gullino M.L., Gilardi G., Garibaldi A. (2017) Evaluation of the severity of leaf spot of lettuce, caused by *Allophoma tropica*, under a climate change scenario. Phytopatologia Mediterranea, 56, 235-241.
24. Matic S., Gullino M.L., Spadaro D. (2017) The puzzle of bakanae disease through interactions between *Fusarium fujikuroi* and rice. Frontiers in Bioscience, Elite, 9, 333-344.
25. Pintore I., Gilardi G., Gullino M.L., Garibaldi A. (2017) Analysis of vegetative compatibility groups of Italian and Dutch isolates of *Fusarium oxysporum* f. sp. *lactucae*. Journal of Plant Pathology, 99,517.
26. Prencipe S., M.L.Gullino, Spadaro D. (2017) *Pseudomonas syringae* pv. *actinidiae* isolated from *Actinidia chinensis* var. *deliciosa* in Northern Italy: genetic diversity and virulence. European Journal of Plant Pathology, DOI 10.1007/s10658-017-1267-9.
27. Prencipe S., Nari L., Vittone G., Spadaro D. (2017) First report of *Diaporthe eres* causing stem canker on peach (*Prunus persica*) in Italy. Plant Disease, 101, 1052.
28. Prencipe S., Siciliano I., Contessa C., Botta R., Garibaldi A., Gullino M.L., Spadaro D. (2017) Characterization of *Aspergillus* section *Flavi* isolated from fresh chestnuts and along the chestnut flour process. Food Microbiology, 69, 159-169.
29. Pugliese M., Rettori A., Martinis R., Al-Rohily K., Al-Maashi A. (2017) Evaluation of the efficacy of insecticidal coatings based on teflutrin and chlorpyrifos against *Rhynchophorus ferrugineus*. Pest Management Science,73, 1737-1742.
30. Siahmoshteh F., Siciliano I., Banani H., Hamidi-esfahani Z., Razzaghi-Abyaneh M., Gullino M.L. Spadaro D., Efficacy of *Bacillus subtilis* and *Bacillus amyloliquefancies* in the control of *Aspergillus parasiticus* growth and aflatoxins production on pistachio. International Journal of Food Microbiology, 254, 47-53.
31. Santoro K., Matic S., Gisi U., Spadaro D., Pugliese M., Gullino M.L. (2017) Abundance, genetic diversity and sensitivity to demethylation inhibitor fungicides of *Aspergillus fumigatus* isolates from organic substrates with special emphasis on compost. Pest Management Science, doi 10.1002 ps 4642.
32. Siciliano I., Berta F., Bosio, P., Gullino M.L., Garibaldi A. (2017) Effect of different temperatures and CO<sub>2</sub> levels on Alternaria toxins produced on cultivated rocket, cabbage and cauliflower. World Mycotoxin Journal, 10, 63-71.
33. Siciliano I., Bosio P., Gilardi G., Gullino M.L., Garibaldi A. (2017) Verrucaridin A and roridin E produced on spinach by *Myrothecium verrucaria* under different temperatures and CO<sub>2</sub> levels. World Mycotoxin Journal 10, 63-71.
34. Siciliano I., Dal Bello B., Zeppa G., Spadaro D., Gullino M.L. (2017) Static hot air and infrared rays roasting are efficient methods for aflatoxin decontamination on hazelnuts. Toxins, 9(2), 72.
35. Siciliano I., Gilardi G., Ortu G., Gisi U., Gullino M.L., Garibaldi A. (2017) Identification and characterization of *Alternaria* species causing leaf spot on cabbage, cauliflower, wild and cultivated rocket by using molecular and morphological features and mycotoxin production. European Journal of Plant Pathology. 149, 401-413.
36. Volante A., Tondelli A., Aragona M., Valente M.T., Biselli C., Desiderio F., Bagnaresi P., Matic S., Gullino M.L., Infantino A., Spadaro D., Valè G. Identification of bakanae disease resistance loci in japonica rice through genome wide association study. Rice 10-29.doi 10.1186/s12284-017-0168-z

## ISI JOURNALS

1. Banani H., Olivieri L., Santoro K., Garibaldi A., Gullino M.L., Garibaldi A. (2018) Thyme essential oil efficacy and induction of resistance against *Botrytis cinerea* through priming of defense responses in apple. *Foods* doi ...
2. Bertetti D., Gullino M. L., Garibaldi A. (2018) Susceptibility of some Papaveraceae plants to *Fusarium oxysporum* f. sp. *papaveris*. *Journal of Plant Diseases and Protection*, 125 (1), 103-108.
3. Franco Ortega S., Tomlinson J., Gilardi G., Spadaro D., Gullino M. L., Boonham N. (2018) Rapid detection of *Fusarium oxysporum* f.sp. *lactucae* on soil, lettuce seeds and plants through using loop-mediated isothermal amplification. *Plant Pathology* (accepted)
4. Franco Ortega S., Tomlinson J., Hodgetts J., Spadaro D., Gullino M. L., Boonham N. (2018). Development of loop-mediated isothermal amplification assays for the detection of seedborne fungal pathogens, *Fusarium fujikuroi* and *Magnaporthe oryzae*, in rice seeds. *Plant Disease* (accepted)
5. Garibaldi A., Bertetti D., Matic S., Gullino M. L. (2018) - First Report of Leaf Spot of *Salvia elegans* Caused by *Alternaria alternata* in Italy. *Plant Disease*, in press.
6. Garibaldi A., Bertetti D., Matic S., Gullino M. L. (2018) - Powdery Mildew caused by *Golovinomyces cichoracearum* on Eastern Purple Coneflower (*Echinacea purpurea*) in Italy. *Plant Disease*, in press.
7. Garibaldi A., Bertetti D., Matic S., Gullino M.L. (2018) First report of downy mildew caused by *Peronospora arthurii* on common evening primrose (*Oenothera biennis*) in Italy. *Plant Disease*, 102 in press
8. Garibaldi A., Gilardi G., Bertetti D., Franco Ortega S., Gullino M.L. (2018). First Report of *Rhizoctonia* crown rot on Carpathian Bellflower (*Campanula carpatica*) in Northern Italy. *Plant Disease* 102 in press
9. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2018) First Report of *Botrytis* Blight Caused by *Botrytis cinerea* on Purple Coneflower (*Echinacea purpurea*) in Italy
10. Garibaldi A., Gilardi G., Franco Ortega S., Gullino M.L. (2018). First report of powdery mildew caused by *Golovinomyces monardae* on peppermint in Italy. *Journal of Plant Pathology*, in press.
11. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2018) First Report of Leaf Smut Caused by *Entyloma gaillardianum* on *Gaillardia aristata* in Italy. *Plant Disease* 102, 678.
12. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2018) First Report of Leaf Spot Caused by *Alternaria alternata* on *Echinacea purpurea* in Italy. *Plant Disease*, 102 in press
13. Garibaldi A., Gilardi G., Matic S., Gullino M.L. (2018) First Report of Leaf Spot of Peppermint (*Mentha ×piperita*) Caused by *Alternaria alternata* in Italy. *Plant Disease* 102, in press..
14. Gilardi G., Garibaldi A., Gullino M.L. (2018) Emerging pathogens as a consequence of globalization and climate change: leafy vegetables as a case study. *Phytopathologia Mediterranea*, in press
15. Gilardi G., Gullino M.L. Garibaldi A. (2018) Emerging foliar and soil-borne pathogens of leafy vegetable crops: a possible threat to Europe. *EPPO bulletin*, doi 1111, epp.12447
16. Gilardi G., Matic S., Gullino M.L., Garibaldi A. (2018) First report of damping off caused by *Pythium aphanidermatum* on bean (*Phaseolus vulgaris*) in Italy. *Plant Disease* 102, 687
17. Gilardi G., Matic S., Gullino M.L., Garibaldi A. (2018) First report of rot caused by *Phytium sylvaticum* on lettuce in Italy. *Plant Disease* 102, 454.
18. Matic S., Gilardi G., Gullino M.L., Garibaldi A. (2018). Evidence for an expanded host range of *Fusarium oxysporum* f. sp. *chrysanthemi*. *Journal of Plant Pathology*, in press
19. Pintore I., Gilardi G., Gullino M.L. Garibaldi A. (2018). Efficacy of different fungicides against the leaf spot of lettuce caused by *Allophoma tropica*. *Journal of Plant Diseases and Protection*, In press
20. Prencipe S., Gullino M.L., 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
21. 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 the chestnut flour process. *Food Microbiology* 69, 159-169. <https://doi.org/10.1016/j.fm.2017.08.004>.
22. Santoro K., Maghzenani M., Chiabrando V., Bosio P., Gullino M.L. Spadaro D., Giacalone G. (2018) thyme and savory essential oil vapor treatments control brown rot and improve the storage quality of peaches and nectarines, but could favor gray mold. *Foods* 2018 doi 10.3390
23. Siciliano I., Franco Ortega S., Gilardi G., Bosio P., Garibaldi A., Gullino M.L. (2018) Molecular phylogeny and characterization of secondary metabolite profile of plant pathogenic *Alternaria* species isolated from basil. *Food microbiology* 73: 264-274.