

## PERSONAL INFORMATION

## Francesco Spinelli

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Sex Male | Date of birth 26/09/1974 | Nationality Italian

## WORK EXPERIENCE

01/03/2011–Present

## Associate Professor

Alma Mater Studiorum - Università di Bologna - Department of Agricultural and Food Sciences (DISTAL)

viale Fanin 44, Bologna, 40127 Bologna (Italy)

[www.unibo.it](http://www.unibo.it)

**1. Coordinator of the ERASMUS MUNDUS International Master in Horticultural Sciences (IMaHS) – LM (from 20013 till 2019)**

<http://corsi.unibo.it/2Cycle/InternationalHorticulturalScience/Pages/default.aspx>

**2. Member of the Scientific Commission of PhD Programme of Agricultural, Environmental and Food Science and Technology**

**3. Teaching activity**

Professor in the International Master in Horticultural:

72658 - Manipulating Plant Biotic Interactions to Increase Productivity (3 ECTS)

7169 - Ecosystems and Environmental Stress Physiology (3 ECTS)

88207 - Crop Ecology and crop quality (6 ECTS)

29881 - Mineral nutrition of fruit trees (4 ECTS)

79436 - Yield and product quality Management (6 ECTS)

79448 - Academic Basecamp

Methods in Woody Plant Pathology (at the [Technical University of Munich](#)) (1 ECTS)

Seminars in Crop ecology and management (0.8 ECTS) (at the [Swedish University of Agricultural Sciences](#))

**4. Research Activity**

- Plant-pathogen interactions: molecular, physiological and histological responses of the fruit trees to pathogen attacks

- Biological role of the volatile organic compounds (VOCs) as signalling molecules in the plant ecological interactions

- Characterization of VOCs emitted by infected plants as a tool for early diagnosis of plant diseases

- Integrated crop management

- Influence of agricultural practices on the ecological and pathological interactions among fruit trees, microorganisms and insects

- Crop quality and post-harvest management

- Role of plant hormones and bioregulators in fruit tree sustainable productions

- Breeding of pears for improve quality and resistance against E. amylovora

**4. Student Tutoring**

Supervisor or co-supervisor of **6 PhD thesis** in Agricultural Sciences

1. Fruit associated microbial bioconosis and its impact on plant resistance to abiotic and biotic stresses, 2018, 34<sup>th</sup> cycle.
2. Aroma of peaches and nectarines: interaction between maturity at harvest, postharvest conditions and fresh cut processing (supervisor) - 30<sup>o</sup> ciclo. LINK:<http://amsdottorato.unibo.it/id/eprint/8423>
3. Deciphering the Cross-Talk between *Actinidia* spp. and *Pseudomonas syringae* pv. *actinidiae* (Psa), 2016. (supervisor) - 28<sup>o</sup> ciclo. LINK: <http://amsdottorato.unibo.it/7528/>;
4. Influence of plant structure, cultural practices and environmental conditions on the development of the bacterial canker of kiwifruits, 2015. (Cosupervisor) – 27<sup>th</sup> cycle. DOI 10.6092/unibo/amsdottorato/7164;
5. Fruit ripening / scald relationship in apple, 2014 - 26<sup>th</sup> cycle. DOI 10.6092/unibo/amsdottorato/6630.
6. Characterizing Psa-*Actinidia* pathosystems in Portuguese orchards: biovars, host-pathogen interaction and new control compounds. (Cosupervisor). Doctorate of the Faculdade de Ciências da Universidade do Porto

From 2012 to the present, supervisor or cosupervisor of more than **42 research thesis in Bachelor and Master Courses**. Several of these thesis have been performed in cooperation with International Research Centres or Universities (e.g. Plant and Food Research, TUM, BOKU). The following list reports some example of the research thesis:

2018. Conventional and innovative extraction technologies for the recovery of antioxidants from apple by-products; 2017. Effect of hot water treatments on relevant quality parameters of fresh-cut apples; 2017. Molecular tools for specific monitoring of *Lactobacillus plantarum* PM411: A biological control agent of fire blight disease; 2016. Influenza dei microrganismi autoctoni su kiwi come agenti di biocontrollo per il cancro batterico dell'*Actinidia* da *Pseudomonas syringae* pv. *actinidiae*; 2016. Kiwifruit Degreening; 2016. Characterization of factors modulating the virulence of *Erwinia* for developing novel approaches to fight fire blight; 2014. Evaluation of different Droskidrink formulates to trap *Drosophila suzukii* according to the characterization of their specific biologically active volatile compounds; 2014. Morphological and molecular traits of minor Sicilian olive (*Olea europea* L.) cultivars and chemical composition of their oil; 2014. Nuove prospettive per la coltivazione del Kiwi (*Actinidia chinensis*): utilizzo delle coperture permanenti; 2014. Biochemical, molecular biological investigations on phlorizin formation in *Malus domestica*; 2014. Influence of relative humidity and temperature on the biological control of *Pseudomonas syringae* pv. *Actinidiae*; 2014. Modulation of defence responses in host plants by volatile compounds released by *Erwinia amylovora* and *Pseudomonas syringae* pv. *syringae*; 2013. Emission of volatile compounds in plant pathogenesis: analysis of biological effects and early diagnosis; 2013. Towards efficient fertilizer use: Soil turnover of organic fertilizers; 2013. Effect of apple flower colonization by *Erwinia amylovora* on the foraging behaviour of honeybees (*Apis mellifera*); 2013. Application of the blue-LAMP method for detection of HcrVf2 gene in apple; 2012. Meccanismi fisiologici di difesa di *Actinidia* spp in risposta a *Pseudomonas syringae* pv *actinidiae*; 2012. Phenolic fingerprinting of Mango Juices; 2012. Gene expression studies in respect to scab resistance in apple; 2012. Modulazione del bilancio ormonale per l'induzione di resistenza *Pseudomonas syringae* pv *actinidiae*.

## 5. Other activities

- Chairman of the ISHS working group on Bacterial Diseases of Kiwifruit (from 2015)
- WP Leader: Practical solutions for control- DROPSA Project - <https://secure.fera.defra.gov.uk/dropsa/>
- Convener of the 2nd International Symposium on the Bacterial Canker of Kiwifruit (<https://events.unibo.it/psa2015>)
- Member of the Organizational Committee of the 11<sup>th</sup> International Symposium on Plant Bioregulators in Fruit Production. 20-23/09/2009, Bologna – Italy.
- Member of the Scientific Committee of the ISHS: 1st International Symposium on Bacterial Canker of Kiwifruit, Mount Manganui, New Zealand (<http://www.ishs.org/symposium/451>) 19/22-11-2013 al 22-11-2013
- Member of the Scientific Committee of the ISHS: IX International Symposium on Kiwifruit, Porto, Portogallo (<https://www.ishs.org/symposium/587>;

<http://www.aphorticultura.pt/ixisk.html>)

-Member of the Organizational Committee of the XII Giornate SOI (Società di Ortoflorofruitticoltura Italiana) 19-22/6/2018

Member of the Scientific Committee the XII Giornate SOI (Società di Ortoflorofruitticoltura Italiana) 19-22/6/2018

- Member of the Scientific Committee of the Conference ISHS International Symposium on Precision Management of Orchards and Vineyards (<http://www.pmov2019.it>)

- Member of the Scientific Committee of the Conference- ICS International Cherry Symposium ([www.ciliegio.unibo.it](http://www.ciliegio.unibo.it))

- Member of the Scientific Committee of the Conference ISHS International Symposium kiwifruit (<https://www.kiwifruit2021.org/en/>)

- Evaluator for l'**Agence Nationale de la Recherche ANR**, France for the selection of competitive research programmes ([www.agence-nationale-recherche.fr](http://www.agence-nationale-recherche.fr))

- Evaluator for the University of Verona of the PhD thesis Deciphering *Pseudomonas syringae* pv. *actinidiae* virulence and communication with the host plant (31st Cycle, AGR12)

- **Scientific Consultant for Crown Law Office** (Avvocatura di Stato del Governo Neozelandese) to support Ministry for Primary Industries (New Zealand) from 25-01-2017 to 01-08-2017

## 6. Editorial activity

1. Associate Editor of The Plant Pathology Journal (IF:1.79)
2. Associate Editor of Australasian Plant Pathology - Springerl (IF:1.026)
3. Associate Editor of Horticulturae - MDPI (IF:2.33)
4. Associate Editor of Agriculture - MDPI (IF:2.95)
5. Associate Editor of Frontiers in Agronomy – Frontiers

## 7. Responsibility of research projects:

### EUROPEAN PROJECTS

- H2020: EUFRUIT (696337) Responsible at UNIBO for WP3: Reduction in pesticide residues

- FP7: DROPSA: Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (613678) – WP LEADER

- FP7: Q-detect - Developing tools for on-site phytosanitary inspection (KBBE-2008-1-4-01) – CORRESPONSIBLE FOR UNIBO

- FP6: ISAFRUIT - Healthy Fruits for Healthy Europe (FP6-FOOD–CT-2006-016279) - participant

- FP5: Induction of pathogen resistance in fruit trees by transiently altering the flavonoid metabolism with specific enzyme inhibitors (QLK5-CT-1999-01583) - participant

- COST 864 - Combining traditional and advanced strategies for plant protection in pome fruit growing-participant

### INTERNATIONAL PROJECTS:

2011 Bacterial Canker of Actinidia (Contract n° GS1156, cooperation with Plant & Food Research, New Zealand)

2014 Development and commercialisation of first and second generation biopesticides (V11513), cooperation with Plant & Food Research, New Zealand

#### NATIONAL PROJECTS:

- 2019 POR-FERS Project: Smart, Specialized, Sustainable Orchard / S<sup>3</sup>O - COORDINATOR
  - 2011, 2012, 2013 Progetto CReSO Batteriosi dell'Actinidia
  - 2011 Progetto biennale di ricerca "Cancro batterico dell'actinidia (*Pseudomonas syringae* pv. *actinidiae*)
  - 2011-2013 Progetto Regione Emilia Romagna - CRPV Lg.R. 28/98: Progetto di ricerca sul cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA).
  - 2013-2016 Progetto Regione Emilia Romagna – CRPV: Ricerche finalizzate alla gestione integrata del cancro batterico dell'actinidia (Psa) e alla valutazione della sensibilità varietale al virus della Sharka (PPV).
  - 2009 - Progetto Regionale KIWI-QUALITY. Individuazione delle cause patologiche e agronomiche che riducono la qualità dei frutti provenienti da piante affette da "carie" dell'actinidia e messa a punto di strategie d'intervento per contrastare la diffusione della malattia. participant
  - 2008 Progetto InterRegionale Progetto triennale di ricerca "Cancro batterico dell'actinidia (*Pseudomonas syringae* pv. *actinidiae*): messa a punto di strategie di difesa" - participant
  - 2003-2006 Progetto Regionale DIFESA DAL FIRE BLIGHT IN EMILIA-ROMAGNA Ricerche epidemiologiche e messa a punto di nuove strategie di difesa integrata dal colpo di fuoco batterico (fire blight) delle pomacee in Emilia-Romagna - participant
- (a more detailed list of projects is reported in the specific section)

#### **8. KNOWLEDGE TRANSFER, PATENTS**

1. Isolation and characterization of an antagonistic bacterial strain effective as BIOLOGICAL CONTROL AGENT against *Pseudomonas syringae* pv. *actinidiae*. For this isolate, the company AGRIFUTUR srl has applied for a pilot study on commercial exploitation. From 30-07-2012
2. Responsible for DIPSA-UNIBO of a breeding program for pear funded by the Centro Innovazione Varietale (CIV). The pear breeding aims to develop new varieties with increased fruit quality and productivity. From 07-2013 to 30-06-2016
3. Responsible for DIPSA-UNIBO of a breeding program for pear funded by the Centro Innovazione Varietale (CIV). The pear breeding aims to finalize the screening of the 184 S2, 35 advanced S2 and 5 S3 genotypes selected in the previous breeding programs. from 30-03-2017 onward
4. "Development and commercialization of first and second generation Biopesticides" (Project No. GS1156) in cooperation with The New Zealand Institute for Plant & Food Research Ltd. From 02-01-2014 to 01-01-2015
5. Tutor of a post-doctoral fellowship (assegno di ricercar) on "Programmi di miglioramento genetico: valutazione, sperimentazione, protezione e valorizzazione di nuove varietà vegetali". The fellowship is funded by the project "MISE: Feeding knowledge Transfer (Feed-KT)". The breeding for new plant varieties also focus on RESISTANCE AGAINST DISEASES. The study aims in developing the most effective strategies to screen, select and exploit new plant varieties. From 24-11-2015 onward
6. Breeder of 5 Pear varieties with red skin. For those varieties, in 2016, several stakeholders applied for the testing for possible commercial exploitation (Opera, Origine, N.V. Fruithandel Wouters Romain & Co, Univeg UK). From 29-02-2016 onward
7. Responsible for a breeding project on *Actinia chinensis* funded by the private company "Investigación y Desarrollo de Variedades Frutales SA – Argentina". The project aims to develop new kiwifruit varieties with increased quality and higher resistance against *Pseudomonas syringae* pv. *actinidiae*. from 10-05-2017 onward

Business or sector Education

01/01/2002–01/03/2011

**Post-doctoral Researcher**

Alma Mater Studiorum - University of Bologna Department of Fruit Tree and Woody Plant Sciences

viale Fanin 44, 40127 Bologna (Italy)

**1. Research activity**

- Effect of plant hormones and other natural compounds on fruit trees production and resistance induction against plant diseases.
- BioVOCs produced during the plant-pathogen interactions: their biological role and perspective for e-nose based disease diagnosis.
- Biological control of bacterial disease in fruit tree crop
- Pseudomonas syringae pv actinidia an emerging kiwifruit pathogen in Italy and New Zealand

**2. Visiting Fellowships**

1. From 15-09-2001 to 21-03-2002

Visiting Fellow at HortResearch (Hamilton, New Zealand) - Project: Resistance induction in apple trees by giberellin inhibitors. HortResearch is now called Plant and Food Research

2. From 02-05-2002 to 03-06-2002

Visiting Fellow at the Max Plank Institut fur Zellebiologie, Ladenburg (Germany) - Effect of giberellin inhibiton on the response of appl plant to Erwinia amylovora infection

3. From 04-11-2002 al 18-12-2002

Visiting Fellow at BASF Agricultural Centre, Limburgerhof (Germania). Effect of 2-oxoglutarate-dependent dioxygenase on giberellin phenolic compounds metablism in apple and pear and their role in resistance induction against (Erwinia amylovora)

4. From 20-07-2004 to 24-02-2005

Visiting Fellow at HortResearch (Hamilton, New Zealand) - Role of volatile organic compounds in the interactions among pear plants and Erwinia amylovora.

5. From 13-06-2008 to 14-07-2008

Visiting Fellow at Radboud University - Life Science Trace Gas Facility, Nijmegen, (The Netherlands)- Use of VOCs for plant disease diagnosis.

**3. Teaching activity**

27169 - Ecosystem and environmental stress physiology - 3 (ECTS) (academic year 2010/11)

**4. Degree Programme coordinator of the ERASMUS MUNDUS International Master in Horticultural Sciences (IMaHS) – LM (2008-2013)**

The Programme Coordinator is in charge of the course management. In particular, the activities carried out concern:

- Degree program management: academics organization of modules and seminars
- Administration and logistics;
- Promotion: Communications, sponsorship and master's degree on online portals;
- Information: ongoing admin support to prospective and enrolled students and to faculty
- Recruitment: managing national and international student's' admissions;
- International relations: Double degree management, Guidance for incoming and outgoing exchange students,
- Quality Assurance in collaboration with QA Committee.
- Degree Programme's Tutor Supervision
- Evaluation and administration for projects, procedures, systems and standards
- The Programme Coordinator meets students individually, supporting them during the course of study.

**5. Editorial Activity**

- Member of the Scientific Board of the World Journal of Agricultural Sciences ISSN: 1817-3047 {Print }1817-5082 {Online}

(from February 2006 to 2008)

Business or sector University – Scientific Research

01/09/2008–01/03/2011 **Teacher of Natural Sciences**

Ministero della Pubblica Istruzione - Istituto Tecnico Commerciale “R.Serra” (Public Secondary School)  
Via T.M. Plauto, 67, 47521 Cesena (Italy)

**Permanent Position** as teacher after the National Selection in 2001. Resigned in 2011

Business or sector Education

EDUCATION AND TRAINING

01/01/2000–29/05/2003 **Doctorate (PhD)**

Alma Mater Studiorum - University of Bologna Department of Fruit Tree and Woody Plant Sciences, Bologna (Italy)

*PhD Thesis: “Changes in plant metabolism induced by dioxygenase inhibitors and their effect on the epiphytic microbial community and Fire Blight (Erwinia amylovora) control”*

1999 **Biologist**

Albo Nazionale dei Biologi, Bologna (Italy)

Working Practical training (12 months) at the Department of Developmental and Experimental Biology - Section of Botany and Plant Physiology

Via Imerio 42, 40126 Bologna - Italy

1993–1998 **Master Degree in Biology**

Alma Mater Studiorum - University of Bologna- Faculty of Mathematical, physical and natural sciences., Bologna (Italy)

Laurea in Biologia indirizzo Bioecologico

Master Thesis: “Interaction between soil-borne plant pathogenic fungi and some collembolan species”  
Degree with honour (110/110 cum Laude)

1989–1993 **Degree of Secondary School**

Scientific High School “Augusto Righi”, Bologna (Italy)

Degree with honour 60/60

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	
<b>Cambridge Certificate Advanced - C1 (Certificate n°:A4378253)</b>					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills**

I participated to several national and international symposia and congress. Moreover, I also participated to several applied workshops, stakeholders' and grower's meeting and to demonstration activities. The following list reports some of these events

**CHAIRMAN OF INTERNATIONAL CONGRESS**

ISHS: II International Symposium on Bacterial Canker of Kiwifruit. Bologna (<https://events.unibo.it/psa2015>), 10/13-06-2015

**INVITED SPEAKER**

1. Keynote speaker at the National Congress "Actinidia 2010", organised by Comune di Bussolengo, Verona, 19-11-2010
2. Invited speaker at "2011 Momentum kiwifruit conference" organised by Zespri and Plant and Food Research, Te Puke, New Zealand 13/14-10-2011 al 14-10-2011
3. Invited Speaker for the demonstration on the use of electronic-nose for diagnosis at EPPO/Q-DETECT Workshop for phytosanitary inspectors. Padova, 16/18-11-2011 al 18-11-2011
4. Keynote speaker at "La PSA un Desafio Para La Industria del Kiwi" Santiago/Curicò – Chile, 04/09-08-2013 al 09-08-2013
5. Keynote speaker at the XI Arab Congress of Plant Protection, Amman (Jordan), 09/13-11-2014
6. Keynote speaker at EXPO 2015, Pavillon "European Union": Health Checks and Smart Treatments for our Plants – Demonstration on the use of e-nose for phytosanitary inspections. Milan, 14/15-07-2015
7. Keynote speaker at- 2015 KSPP Meeting and International Conference (<http://www.kspp.org/>) - Geoje, South Korea. Organised by the Korean Society for Plant Pathology, 18/22-10-2015
8. Keynote Speaker on "IPM in Agriculture" at 'Al-Balqa' Applied University (Al-Salt, Jordan) and at the Arab Society of Plant Protection (Amman, Jordan), 03/05-05-2016
9. Keynote speaker at the 69th NZPP Annual Conference and Psa symposium. Palmerston North, New Zealand organised by the New Zealand Plant Protection Society, 08/11-08-2016
10. Chairman of the session on "Sostenibilità del processo produttivo/Gestione sostenibile delle avversità" at the XI Giornate Scientifiche SOI, Bolzano, 14/16-09-2016 al 16-09-2016
11. Invited Speaker at the workshop "Actinidia opportunità per il Sud" sponsored by SOI (Società di Ortoflorofruitticoltura Italiana) - Policoro, MT - 1/2/2018

**ORAL PRESENTATION AT INTERNATIONAL CONGRESS**

1. ISHS: X International Workshop on Fire Blight, Bologna dal 05-06-2004 al 09-06-2004
2. Workshop of the Cost Action 864 Pome fruit health research in Europe: Current Status 2006.Vienna, Austria, 20/21-11-2006
3. ISHS: XI International Symposium on Plant Bioregulators in Fruit Production, Bologna, 20/23-09-2009 al 23-09-2009 (<http://www.ishs.org/symposium/74>)
4. European Plant Protection Organization (EPPO) Conference. York, UK, dal 10/15-05-2009
5. XII International Workshop on Fire Blight, Warsaw, Poland, 16/20-08-2010 (<http://www.ishs.org/symposium/146>)
6. ISHS: XXVIII International Horticultural Congress - IHC2010. Lisbon 22/27-08-2010 (<http://www.ishs.org/symposium/121>)
7. ISHS: VII International Symposium on Kiwifruit, Faenza, 12/17-09-2010 (<http://www.ishs.org/symposium/141>)
8. ISHS -IX International Conference on the Plant Hormone Ethylene (Ethylene 2012), Roturua, New Zealand, 19/23-03-2012 al 23-03-2012
9. ISHS: I International Symposium on Bacterial Canker of Kiwifruit. Mount Manganui, New

Zealand, 19/22-11-2013 al 22-11-2013 (<http://www.ishs.org/symposium/451>)

10. 19th APPS conference (Auckland, New Zealand) – Organised by the Australasian Plant Pathology Society, 25/28-11-2013

<http://www.appsnet.org/publications/proceedings/APPS%202013%20Handbook.pdf>

11. ISHS: VIII International Symposium on Kiwifruit. Dujiangyan (Chengdu), China, 18/22-09-2014 al 22-09-2014 (<http://www.ishs.org/symposium/354>)

12. First International workshop: Molecular Basis of Fire Blight, University of Bolzano, 15-10-2014

13. ISHS: II International Symposium on Bacterial Canker of Kiwifruit, Bologna, 10/13-06-2015 (<https://events.unibo.it/psa2015>)

14. Plant Volatiles Gordon Research Conference – The Role of Plant Volatiles in Communication. Barga, Lucca, 04/09-02-2018

15. IX International Symposium on Kiwifruit, Porto, Portugal, 06/09-09-2018

### **ORAL PRESENTATION AT NATIONAL CONGRESS**

1. SOI - IX° Convegno Nazionale dell'actinidia, Latina 06/08-10-2009

2. SOI -Convegno nazionale sulla batteriosi dell'actinidia, Latina 24/26-05-2012 al 26-05-2012

3. X Giornate Scientifiche della Società di Ortoflorofruitticoltura Italiana (SOI), Padova, 25/27-06-2013

4. Conferenza SOI- X Convegno nazionale sull'actinidia (e 2° Aggiornamento sulla batteriosi da PSA), Nettuno (Roma), 03/04-12-2014

5. XI Giornate Scientifiche SOI, Bolzano, 14/16-09-2016 al 16-09-2016

### **DEMONSTRATION ACTIVITIES, STAKEHOLDER MEETINGS, EXTENSION SERVICES**

#### **International**

1. Kiwifruit and pollen industry New Zealand 27-2-2011-5-3-2011, various locations

2. Invited speaker at "2011 Momentum kiwifruit conference" organised by Zespri and Plant and Food Research, Te Puke, New Zealand 13/14-10-2011 al 14-10-2011

3. Kiwifruit Vine Health meetings, New Zealand, various locations 14-3-2012- 1-4-2012

4. Kiwifruit Vine Health Growers' meeting Tauranga, New Zealand, 21-11-2013

5. Kiwifruit Vine Health Growers' meeting, Te Puke, New Zealand, 12-8-2016 (<http://www.kvh.org.nz/newsroom/id/1064>)

6. Invited Speaker for the demonstration on the use of electronic-nose for diagnosis at EPPO/Q-DETECT Workshop for phytosanitary inspectors. Padova, 16/18-11-2011 al 18-11-2011

7. Keynote speaker at "La PSA un Desafio Para La Industria del Kiwi" Santiago/Curicò – Chile, 04/09-08-2013 al 09-08-2013

8. Meeting Associação Portuguesa de Kivicultores (APK), Porto, Portugal 21-3-2014

9. Kiwifruit culture, Barga, Portugal 6/07-6-2014

10. Keynote speaker at EXPO 2015, Pavillon "European Union" – Demonstration on the use of e-nose for phytosanitary inspections. Milan, 14/15-07-2015

11. DROPSA stakeholder workshop in Girona, Spain. 10th March 2016

#### **National**

1. "I fitoregolatori in Frutticoltura: recenti acquisizioni", Cesena, 16-10-2009 (<http://www.crpv.it/doc/323657/DLFE-7839.pdf>)



2. Keynote speaker at the National Congress "Actinidia 2010", organised by Comune di Bussolengo, Verona, 19-11-2010
3. Zespri growers' meeting, Latina 16-12-2010
4. "Novità dal 7° Simposio internazionale di Faenza, aggiornamenti ed iniziative sul cancro batterico dell'Actinidia" Faenza, RA- 23-2-2011 (<http://www.crpv.it/images/stories/pdf/ACTINIDIA.pdf>)
5. "Il progetto di ricerca dell'Emilia-Romagna sulla batteriosi dell'actinidia: primi risultati", Faenza, RA, -22-3-2013 (file:///C:/Users/Francesco/Downloads/ConvegnoBatteriosiActinidia-1.pdf)
6. "La batteriosi del kiwi: indicazioni operative dalla ricerca" Faenza, RA- 16-4-2014 (<http://www.crpv.it/images/stories/pdf/2014/Iniziative/PSAkiwiRA.pdf>)
7. "Incontro tecnico su cancro del kiwi", Sommacampagna, VR, 15-6-2015 (<http://www.corriereortofrutticolo.it/2015/06/15/verona-oggi-incontro-tecnico-sul-cancro-del-kiwi/>)
8. Invited Speaker at the workshop "Actinidia opportunità per il Sud" sponsored by SOI (Società di Ortoflorofrutticoltura Italiana) - Policoro, MT - 1/2/2018

#### PARTECIPATION AT MASS MEDIA EVENTS

- Articolo su Repubblica.it Sezione LE SCIENZE – 4-2-2019. "Così un batterio modifica il profumo di melo e pero"
- Articolo su UNIBO MAGAZINE. 4-2-2019. Il batterio che si diffonde sfruttando le difese degli alberi e il lavoro delle api
- <https://www.youtube.com/watch?v=vfBfWk7DJic>
- <https://www.youtube.com/watch?v=Ks8xTsJMP2Q>
- <https://www.youtube.com/watch?v=jplxgc6FiYE>

#### TV program:

- 13-12-2011 - [http://www.agrilinea.tv/site/index.php?option=com\\_content&task=view&id=447&Itemid=9111-6-2012](http://www.agrilinea.tv/site/index.php?option=com_content&task=view&id=447&Itemid=9111-6-2012):
- 11-6-2012 - [http://www.agrilinea.tv/site/index.php?option=com\\_content&task=view&id=489&Itemid=91](http://www.agrilinea.tv/site/index.php?option=com_content&task=view&id=489&Itemid=91)
- 24-5-2012 <http://www.agrilinea.tv/direttatv/kiwi-latina/index2.html>
- 13-2-2019  
Intervista su TRC. Trasmissione "Detto tra Noi" – Argomento: Problematiche emergenti in frutticoltura: come i cambiamenti climatici siano una sfida alla sostenibilità

#### Organisational / managerial skills

- From 2013 onward, I coordinate the Laurea Magistrale International Master in Horticultural Science (IMaHS)  
IMaHS was awarded by the prestigious ERASMUS MUNDUS brand from 2008 till 2015. Moreover, from 2008 till 2013, it was funded by the EU Commission with 4.5 million euro. IMaHS is fully taught in English and has been jointly offered by the Alma Mater Studiorum University of Bologna (UNIBO), the Free University of Bolzano (UNIBZ), the Technical University of Munich (TUM, Weihenstephan, Germany, The Szent István University of Budapest (SZIU, Hungary), the University for Natural Resources and Applied Life Sciences of Vienna (BOKU, Austria) and the The Humboldt University of Berlin (HU, Germany). In 2018, the agreements between UNIBO/UNIBZ, SZIU, TUM and HU are under renewal.
- I was Working Package Leader and member of the management board of the EU project DROPSA Project - <https://secure.fera.defra.gov.uk/dropsa/> (6,000,000 €)

I also participated to the management, organization and coordination of research teams in a number Italian and European programs (ERWINIA, ISAFRUIT, Q-DETECT, EUFRUIT, COST 864).

- I coordinate a research groups composed, on the average, by:
  - 4 postdoctoral fellows (assegnisti di ricerca)
  - 1 PhD student
  - 1 research fellow
  - 1 RTD-A (from 2019)
- I was member of the organizational and scientific committee of 4 international ISHS symposia and several national symposia, such as the XII Giornate SOI 19-22 Giugno 2018 ([http://soi2018.unibo.it/?page\\_id=15](http://soi2018.unibo.it/?page_id=15))

**Job-related skills**

- Design and organization of experimental research.
- Presentation and publication of research results
- Data storage, elaboration and statistical analysis
- Isolation, identification and propagation techniques of edaphic fungi.
- Isolation, identification and propagation techniques of the *Collembola* and other edaphic microarthropods.
- Bacteriological and microbiological methodologies
- Biological control strategies and techniques
- Optical microscopy techniques, preparation and staining of specimens. Fluorescence microscopy.
- Confocal Laser Scanning Microscopy (CLSM)
- Principle of scanning electron microscopy (SEM)
- Molecular biology methodologies (e.g. DNA and RNA extraction, PCR, Transformation, gene expression studies, silencing )
- Volatile Organic Compounds analysis by different techniques (GC-MS, E-nose, PTR-TOF-MS, photoacoustic detection)
- Non-destructive techniques (e-nose, near infrared spectroscopy- NIRs) to assess fruit quality and to determine physiological marker in fruit trees.
- Traditional techniques to assess fruit quality (gas chromatography, Brix degree and firmness assessment...)
- Plant micropropagation

**Digital skills**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user		Proficient user	Proficient user

Digital skills - Self-assessment grid

**Driving licence** B

## ADDITIONAL INFORMATION

## Honours and awards

1. Marco Polo Fellowship for mobility to non-EU countries (4 mesi). Project title: Ruolo dei composti volatili prodotti da *Malus domestica* in risposta all'infezione da colpo di fuoco batterico e loro possibile influenza sulla diagnostica e/o il controllo della malattia. Hosting Institution: HortResearch, Hamilton, Nuova Zelanda
2. "Premio Goidanich" (2005) awarded by the Faculty of Agricultural Science, University of Bologna. The prize is awarded for the best PhD thesis in plant pathology (5161€)
3. Agmardt Fellowship 2010-12-The Agricultural and Marketing Research and Development Trust, New Zealand. Agmardt provided 27000 NZ\$ to fund travel and accommodation expenses for 3 visits to New Zealand to work in Plant and Food Research laboratory (funding Institution) to support kiwifruit industry (Zespri). References: Declan Graham e David Tanner
4. 2015. Award for the outstanding research and extension for the kiwifruit industry during the *Pseudomonas syringae* pv. *actinidiae* pandemic outbreak. Awarding Institution: Zespri International

## Memberships

1. Member of the International Society for Horticultural Science, ISHS (till 2017)
2. Member of the Società di Ortoflorofruitticoltura Italiana SOI
3. Member of the Australasian Plant Pathology Society

## Projects

1. **COLLABORATIVE RESEARCH PROJECTS (RESPONSABILITÀ SCIENTIFICA PER PROGETTI DI RICERCA INTERNAZIONALI E NAZIONALI, AMMESSI AL FINANZIAMENTO SULLA BASE DI BANDI COMPETITIVI CHE PREVEDANO LA REVISIONE TRA PARI)**

EUROPEAN PROJECTS

1. H2020. Delegate for UNIBO for WP3 "Reduction in pesticide residues" del Progetto Horizon2020: EUFRUIT – EU Fruit Network ([https://cordis.europa.eu/project/rcn/200146\\_en.html](https://cordis.europa.eu/project/rcn/200146_en.html)) form 01-03-2016 till now
2. FP7. Responsible for DIPSA-UNIBO, Leader OF Working Package 6 and member of the Management Committee of the project EU FP7 - KBBE.2013.1.2-04: DROPSA: Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (Project ID: 613678) - EU funds for DIPSA-UNIBO: 336,564€, Whole project funds: 5,997,965€. WP6: Practical Solutions for Control. From 01-01-2014 till 01-01-2018
3. FP7. Responsible for UNIBO-DCA of the project FP6, KBBE-2009-1-4-01: Q-detect – Developing quarantine pest detection methods for use by national plant protection organizations (NPPO) and inspection services (Project ID: 245047). EU funds per il DCA-UNIBO: 210,480€; Whole project funds: 2,995,918€ from 01-03-2010 till 28-02-2013

NATIONAL AND REGIONAL PROJECTS

1. Coordinator of the POR-FESR Project Smart, Specialized, Sustainable Orchard / S<sup>3</sup>O. Project funds for UNIBO-DIPSA: € 745,847.92
2. Responsible of Action 3 in Progetto Regione Emilia Romagna - CRPV Lg.R. 28/98: Progetto di ricerca sul cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA). Azione 3: "Valutazione di fattori agronomici che possono influenzare la diffusione e la gravità del cancro batterico". From 01-10-2011 till 30-09-2013
3. Participant in Action 4 in Progetto Regione Emilia Romagna - CRPV Lg.R. 28/98: Progetto di ricerca sul cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA). Action 4: "Valutazione di fattori agronomici che possono influenzare la diffusione e la gravità del cancro batterico": "Studio delle possibilità di controllo di *Pseudomonas syringae* pv *actinidiae* attraverso l'utilizzo di prodotti di sintesi e naturali". From 01-10-2011 till 30-09-2013
4. Responsible of Action 3 in Progetto Regione Emilia Romagna - CRPV: Ricerche finalizzate alla gestione integrata del cancro batterico dell'actinidia (Psa) e alla valutazione della sensibilità varietale al virus della Sharka (PPV). Action 3: Individuare le tecniche agronomiche capaci di limitare la diffusione

del cancro batterico. From 15-10-2013 till 14-10-2016

5. Responsible of Action 3 in PSR Emilia Romagna, Focus Area 4B: Piano "AVVERSITÀ EMERGENTI DELLE COLTURE FRUTTICOLE IN EMILIA ROMAGNA: STRATEGIE INNOVATIVE APPLICATE ALLA DIFESA SOSTENIBILE (FRUTTANOVA)" (Progetto Triennale). Action 3: Gestione del cancro batterico dell'*Actinidia* causato da *Pseudomonas syringae* pv. *actinidiae* (Psa). From 15-04-2016 till 19-10-2019

## 2. TRIALS AND SCIENTIFIC PROJECTS (RESPONSABILITA' DI STUDI E RICERCHE SCIENTIFICHE AFFIDATI DA QUALIFICATE ISTITUZIONI PUBBLICHE O PRIVATE)

(Only the contributions exceeding 40000€ are detailed)

1. Trial funded by Centro di Saggio Eurofins Agrosience Service: "Verifica dell'effetto del formulato Alleato 80 sulla produttività e qualità dei frutti di melo e pero e prove di efficacia nei confronti di *Erwinia amylovora*" (Efficacy of Alleato 80 in controlling fire blight in apple and pear ). From 01-03-2011 till 31-03-2012

2. Trial funded by CReSO (Fondazione per la ricerca, l'innovazione e lo sviluppo tecnologico dell'agricoltura piemontese): "Prove in campo di valutazione efficacia prodotti nel confronti cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA)" - (Determina n.559 del 21/06/2011). (Field trials to control Psa) From 21-06-2011 till 20-06-2012

3. Trial funded by Centro di Saggio Eurofins Agrosience Service: "Verifica dell'effetto dei formulati a base microbiologica sulla produttività e qualità dei frutti di melo e pero e prove efficacia nei confronti di *Erwinia amylovora*". (Efficacy microbiological producta in controlling fire blight in apple and pear ). From 01-03-2012 till 30-03-2013

4. Trial funded by the "Convenzione tra AGREA Centro Studi, Centro di Ricerca per la Genomica e la Postgenomica Animale e Vegetale e DCA-UNIBO: Sperimentazione per la di difesa da *Pseudomonas syringae* pv. *actinidiae*". (Control of Psa in field conditions). From 15-03-2012 till 14-03-2013

5. Responsible for the PhD project funded by ZESPRI International Limited (New Zealand) on *Actinidia* and *Pseudomonas syringae* pv. *actinidiae* (Psa) - THhe funds allowed to open a PhD position at the 29th Doctorate Cycle of UNIBO. Dr. Luca Fiorentini was awarded of the scholarship under my supervision. His dissertation title is: Deciphering the Cross-Talk between *Actinidia* spp. and *Pseudomonas syringae* pv. *actinidiae* (Psa). From 24-09-2012 till 01-03-2016. Contribution: **€ 75.596**

6. Trials funded by CReSO (Fondazione per la ricerca, l'innovazione e lo sviluppo tecnologico dell'agricoltura piemontese): Prove in campo di valutazione efficacia prodotti nel confronti cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA) -(Determina n.1145 from 30/11/2012). (Field trials to control Psa). From 30-11-2012 till 28-02-2013

7. Trial funded by BMS Micro Nutrients srl Italia riguardante l'effetto del prodotto Coptyzin sulla produttività e qualità dei frutti di kiwi e sulla *Pseudomonas syringae* pv. *actinidiae*. (Efficacy of Coptyzin in controlling Psa). From 02-01-2013 till 01-01-2014

8. Trial funded by Lentini S.r.l: Prove valutazione prodotto Bioindrex: anno1- effetto in vitro e in serre; anno 2 e 3- effetto sulla produttività e qualità dei frutti di kiwi e prove efficacia nei confronti del cancro batterico dell'*Actinidia*. (Use of Bioindrex to control Psa). From 02-01-2013 till 01-01-2016

9. Responsible for DIPSA UNIBO of the Breeding Program for new pear varieties funded by Centro Innovazione Varietale (CIV). From 01-07-2013 till 2016. Contribution: **125,000€**

10. Trial funded by Syngenta Crop Protection SpA: Studio sull'efficacia e selettività varietale di Acibenzolar-S-Methyl (BION) usato per il controllo della BATTERIOSI del KIWI (*Pseudomonas syringae* pv. *actinidiae*). (Testing effectiveness of BION for the control of Psa). From 10-09-2013 till 09-05-2014

11. Trial funded by CReSO (Fondazione per la ricerca, l'innovazione e lo sviluppo tecnologico dell'agricoltura piemontese): Prove in campo di valutazione efficacia prodotti nel confronti cancro batterico dell'actinidia causato da *Pseudomonas syringae* pv. *actinidiae* (PSA) -Determina n. 1137. (Field trials to control Psa). From 29-11-2013 till 28-11-2014

12. Trial funded by Società coop Riviera dei Fiori: Isolamento e caratterizzazione di ceppi batterici patogeni in cultivar di Ranuncolo. (Isolation and identification of bacterial pathogens from diseased buttercup). From 02-01-2014 till 01-01-2015

13. Research collaboration funded by **The New Zealand Institute for Plant & Food Research** Ltd: "Development and commercialization of first and second generation Biopesticides" (Project No. GS1156). From 02-01-2014 till 01-01-2015

14. Trials funded by Plastik s.p.a: Effetto delle coperture plastiche sulla produttività e sulla qualità dei frutti di *A. chinensis* e sull'infezione da *Pseudomonas syringae* pv. *actinidiae* (Effects of plastic cover on kiwifruit productivity and control of *Pseudomonas syringae* pv. *actinidiae*). From 01-01-2015 till 2016
15. Trial funded by Best Green Technologies S.r.l.: Efficacia del Bacstone Maximum nei confronti di colture liquide di batteri fitopatogeni. (In vitro antibacterial test of Bacstone Maximum). From 02-01-2015 till 01-01-2016
16. Trial funded by BMS Micro-Nutrients Italia s.r.l. - "Analisi microbiologiche e molecolari su campioni di polline di *Actinidia* per determinare la contaminazione da *Pseudomonas syringae* pv. *actinidiae*". (Testing pollen samples for the presence of *Psa*). From 15-01-2015 till 02-04-2015
17. Trial funded by Best Green Technologies S.r.l.: Effetto del Bacstone Maximum sulla produttività e qualità dei frutti di kiwi e prove efficacia nei confronti del cancro batterico dell'*Actinidia*. (filed trials on kiwifruit with Bacstone Maximum s). From 01-01-2016 till 31-12-2016
18. Trial funded by **Crown Law Office (Avvocatura di Stato del Governo Neozelandese) e da The New Zealand Institute for Plant & Food Research Ltd** per lo studio: Produzione di polline da antere di *A. deliciosa*. (Pollen production by *A. deliciosa* male flowers). From 04-05-2016 till 1-12-2016
19. Responsible for DIPSA UNIBO of the Breeding Program for new pear varieties funded by Centro Innovazione Varietale (CIV). From 05-08-2016 till 1-7-2020. Contribution: **40,000€**
20. Trial funded by Zespri Int. "Molecular analysis results of fruits samples of Zespri® Green (*Actinidia deliciosa*) to determine the post-harvest contamination by *Cryptosporiopsis actinidiae*. From 01-01-2017 till 30-09-2017
21. Trial funded by Zespri Int. "Molecular analysis results of fruits samples of Zespri® Sungold (*Actinidia chinensis*) to determine the post-harvest contamination by *Cryptosporiopsis actinidiae*". From 01-01-2017 till 10-09-2017
22. Responsible for the project funded by CIV: "Valutazione del materiale vegetale ottenuto dall'attività di miglioramento genetico del pero in corso presso il Dipartimento di Scienze Agrarie e selezionato nell'ambito della convenzione REP n°197/07 del 31-10-2007" (scadenza 30-6-2021). From 30-03-2017 till 30-6-2021
23. Trial funded by Envira srl "Prove di valutazione di efficacia in vitro di Humus e Leaf (FoodLand BIO) nei confronti di batteri patogeni del Ranucolo (*Ranunculus asiaticus* L.)". (Efficacy *in vitro* of Humus e Leaf in controlling bacterial disease of *Ranunculus asiaticus* L.). From 01-05-2017 till 01-01-2018.
24. Responsible for DIPSA UNIBO of the Breeding program on kiwifruit funded by "Investigation y Desarrollo de Variedades Frutales S.A.", Buenos Aires-Argentina. The aim of the project is to develop new yellow-fleshed kiwifruit with increased productivity, fruit quality and resistance against *Pseudomonas syringae* pv. *actinidiae*. From 10-05-2017 onward. Contribution: **100,000€**
25. Trial funded by Zespri: Evaluation of long term sustainability of girdling practices Gold3 kiwifruit in Italy and their effect on storage, fruit drop and maturity. From 31-5-2018 onward. Contribution: **241,396.6 €**
26. Trial funded by Zespri: Foliar Fertilization Biostimulant Practices. From 17-4-2019 onward: **199,005 €**

### 3. ATTIVITÀ ISTITUZIONALI, ORGANIZZATIVE E DI SERVIZIO ALL'ATENEO

- From 2022- Member of EIP-AGRI Focus Groups on Sustainable ways to reduce the use of pesticides in pome and stone fruit production
- From 2008 to 2013. "Degree Programme Coordinator" of the ERASMUS MUNDUS Master course in International Master in Horticultural Sciences (IMaHS) – LM (2008-2011) (CL 0876)
- From 2013 to 2016. Coordinator of the ERASMUS MUNDUS Brand name master course - Ortofrutticoltura Internazionale (CL 8765 e 0876). Rectoral Decreed 798/2013. Prot. 48373
- Dal 2016-oggi. Coordinator of the course International Master in Horticultural Sciences - IMaHS (CL 8883). Rectoral Decreed 816/2016. Prot. 71046. <http://corsi.unibo.it/2Cycle/InternationalHorticulturalScience/Pages/default.aspx>
- Evaluator for l'Agence Nationale de la Recherche ANR, France for the selection of competitive research programmes ([www.agence-nationale-recherche.fr](http://www.agence-nationale-recherche.fr))

- Evaluator for the University of Verona of PhD Final examination (31st Cycle, AGR12), 2019
- Evaluator for the University of Bolzano-Bozen of PhD Final examination 2019
- Scientific Consultant for Crown Law Office (Avvocatura di Stato del Governo Neozelandese) to support Ministry for Primary Industries (New Zealand) from 25-01-2017 to 01-08-2017
- Evaluator for the European Commission of the research proposal for l'European Research Council funds (ERC)- 2019
- Cycle of seminars for the no-profit association "Amici del Bacchelli" - ANCESCAO

#### **4. PARTICIPATION TO RESEARCH PROJECTS (PARTECIPAZIONE A PROGETTI DI RICERCA)**

1. Participant, as PhD student, to the European Project: EU FP5 - ERWINIA: Induction of pathogen resistance in fruit trees by transiently altering the flavonoid metabolism with specific enzyme inhibitors (QLK5-CT-1999-01583). From 01-02-2000 till 01-05-2003
2. Participant, in the research group DCA-UNIBO, to the project: Progetto Regionale DIFESA DAL FIRE BLIGHT IN EMILIA-ROMAGNA Ricerche epidemiologiche e messa a punto di nuove strategie di difesa integrata dal colpo di fuoco batterico (fire blight) delle pomacee in Emilia-Romagna. Per il DCA-UNIBO, il responsabile del progetto era in Prof. G. Costa. From 01-01-2003 to 01-01-2006
3. Participant, in the research group DCA-UNIBO, to the EU Project: EU - FOOD-2004-T5.4.1.1 - ISAFRUIT: Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly, sustainable production methods (FP6-FOOD-CT-2006-016279). From 01-01-2006 till 30-09-2010
4. Participant, in the research group DCA-UNIBO, to COST 864 - Combining traditional and advanced strategies for plant protection in pome fruit growing. From 16-01-2006 till 15-06-2011
5. Participant, in the research group DCA-UNIBO, to the project: Progetto Regione Emilia Romagna Lg. R. 28/98: KIWI-QUALITY - Individuazione delle cause patologiche e agronomiche che riducono la qualità dei frutti provenienti da piante affette da "carie" dell'actinidia e messa a punto di strategie d'intervento per contrastare la diffusione della malattia. From 02-01-2009 till 01-01-2011
6. Participant, in the research group DCA-UNIBO, ad Ager Pero: Innovazioni di processo e di prodotto per una pericoltura di qualità (Innovapero). From 01-12-2010 till 01-03-2013
7. Participant, in the research group DCA-UNIBO, in Ager Melo: Qualità della mela nell'era della post-genomica, dalla creazione di nuovi genotipi alla post-raccolta: nutrizione e salute. from 01-03-2011 till 28-02-2015

## LIST OF ALL PUBLICATIONS

### REFERRED PUBLICATIONS

	Publication	Year	IF	Citation Scopus*
1.	Sangiorgio, D., Cellini, A., Donati, I., Ferrari, E., Tanunchai, B., Fareed Mohamed Wahdan, S., Sadubsarn, D., Farneti, B., Checcucci, A., Buscot, F., Spinelli, F., Purahong, W. Taxonomical and functional composition of strawberry microbiome is genotype-dependent (2022) <i>Journal of Advanced Research</i>	2022	10.5	0
2.	Sangiorgio, D., Cellini, A., Spinelli, F., Pastore, C., Farneti, B., Savioli, S., Rodriguez-Estrada, M.T., Donati, I. Contribution of fruit microbiome to raspberry volatile organic compounds emission (2022) <i>Postharvest Biology and Technology</i> , 183, art. no. 111742	2022	5.53	
3.	Cellini, A., Spinelli, F., Donati, I., Ryu, C.-M., Kloepper, J.W. Bacterial volatile compound-based tools for crop management and quality (2021) <i>Trends in Plant Science</i> , 26 (9), pp. 968-983	2021	18.3	
4.	Francati, S., Masetti, A., Martinelli, R., Mirandola, D., Anteghini, G., Busi, R., Dalmonte, F., Spinelli, F., Burgio, G., Dindo, M.L. Halyomorpha halys (Hemiptera: Pentatomidae) on Kiwifruit in Northern Italy: Phenology, infestation, and natural enemies assessment (2021) <i>Journal of Economic Entomology</i> , 114 (4), pp. 1733-1742	2021	2.38	
5.	Sangiorgio, D., Cellini, A., Spinelli, F., Farneti, B., Khomenko, I., Muzzi, E., Savioli, S., Pastore, C., Rodriguez-Estrada, M.T., Donati, I. Does organic farming increase raspberry quality, aroma and beneficial bacterial biodiversity? (2021) <i>Microorganisms</i> , 9 (8), art. no. 1617	2021	4.1	
6.	Cellini, A., Donati, I., Farneti, B., Khomenko, I., Buriani, G., Biasioli, F., Cristescu, S.M., Spinelli, F. A breach in plant defences: <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> targets ethylene signalling to overcome <i>actinidia chinensis</i> pathogen responses (2021) <i>International Journal of Molecular Sciences</i> , 22 (9), art. no. 4375	2021	5.9	
7.	Perulli, G.D., Gaggia, F., Sorrenti, G., Donati, I., Boini, A., Bresilla, K., Manfrini, L., Baffoni, L., Di Gioia, D., Grappadelli, L.C., Spinelli, F., Morandi, B. Treated wastewater as irrigation source: a microbiological and chemical evaluation in apple and nectarine trees (2021) <i>Agricultural Water Management</i> , 244, art. no. 106403	2021	4.5	
8.	Pastore, C., Allegro, G., Valentini, G., Pizziolo, A., Battista, F., Spinelli, F., Filippetti, I. Foliar application of specific yeast derivative enhances anthocyanins accumulation and gene expression in Sangiovese cv ( <i>Vitis vinifera</i> L.) (2020) <i>Scientific Reports</i> , 10 (1), art. no. 11627	2020	4.37	
9.	Pennisi, G., Pistillo, A., Orsini, F., Cellini, A., Spinelli, F., Nicola, S., Fernandez, J.A., Crepaldi, A., Gianquinto, G., Marcelis, L.F.M. Optimal light intensity for sustainable water and energy use in indoor cultivation of lettuce and basil under red and blue LEDs. <i>Scientia Horticulturae</i> , 272, art. no. 109508	2020	1.961	0
10.	Cellini, A., Donati, I., Fiorentini, L., Vandelle, E., Polverari, A., Venturi, V., Buriani, G., Vanneste, J.L., Spinelli, F. N-Acyl Homoserine Lactones and Lux Solos Regulate Social Behaviour and Virulence of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Microbial Ecology</i> , 79	2020	3.611	1

	(2), pp. 383-396			
11.	Sanoubar, R., Cellini, A., Gianfranco, G., Spinelli, F. Osmoprotectants and Antioxidative Enzymes as Screening Tools for Salinity Tolerance in Radish ( <i>Raphanus sativus</i> ). Horticultural Plant Journal, 6 (1), pp. 14-24	2020	0.950	
12.	Ceccarelli A., Farneti B., Khomenko I., Cellini A., Donati I., Aprea E., Biasioli F., Spinelli F. Nectarine volatlome response to fresh-cutting and storage. Postharvest Biology and Technology, 159, art. no. 111020,	2020	3.927	0
13.	Donati, I., Cellini, A., Sangiorgio, D., Caldera, E., Sorrenti, G., Spinelli, F. Pathogens associated to kiwifruit vine decline in Italy. Agriculture (Switzerland), 10 (4), art. no. 119	2020	tracked	0
14.	Donati, I., Cellini, A., Sangiorgio, D., Vanneste, J.L., Scortichini, M., Balestra, G.M., Spinelli, F. <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> : Ecology, Infection Dynamics and Disease Epidemiology. Microbial Ecology		3.611	0
15.	Pennisi, G., Orsini, F., Blasioli, S., Cellini, A., Crepaldi, A., Braschi, I., Spinelli, F., Nicola, S., Fernandez, J.A., Stanghellini, C., Gianquinto, G., Marcelis, L.F.M. Resource use efficiency of indoor lettuce ( <i>Lactuca sativa</i> L.) cultivation as affected by red:blue ratio provided by LED lighting. Scientific Reports, 9 (1), art. no. 14127	2019	4.011	3
16.	Cellini A., Giacomuzzi V., Donati I., Farneti B., Rodriguez-Estrada M.T., Savioli S., Angeli S., <b>Spinelli F.</b> Pathogen induced changes in floral scent may increase honeybee-mediated dispersal of <i>Erwinia amylovora</i> . The ISME J. 13:847-859	2019	9.520	5
17.	Ceccarelli, A., Farneti, B., Frisina, C., Allen, D., Donati, I., Cellini, A., Costa, G., <b>Spinelli, F.</b> , Stefanelli, D. Harvest maturity stage and cold storage length influence on flavour development in peach fruit. Agronomy, 9 (1), art. no. 10	2019	2.259	0
18.	Daranas N., Roselló G., Cabrefiga J., Donati I., Francés J., Badosa E., <b>Spinelli F.</b> , Montesinos E., Bonaterra A. Biological control of bacterial plant diseases with <i>Lactobacillus plantarum</i> strains selected for their broad-spectrum activity. Annals of Applied Biology 174: 92-105 -DOI:10.1111/aab.12476	2019	2.046	0
19.	Pennisi, G., Blasioli, S., Cellini, A., Maia, L., Crepaldi, A., Braschi, I., <b>Spinelli, F.</b> , Nicola, S., Fernandez, J.A., Stanghellini, C., Marcelis, L.F.M., Orsini, F., Gianquinto, G. Unraveling the role of red:Blue LED lights on resource use efficiency and nutritional properties of indoor grown sweet basil. Frontiers in Plant Science, 10, 305.	2019	3.677	0
20.	Perpetuini G., Donati I., Cellini A., Orrù L., Giongo L., Farneti B., <b>Spinelli F.</b> Genetic and functional characterization of the bacterial community on fruit of three raspberry ( <i>Rubus idaeus</i> ) cultivars. Journal of Berry Research - 10.3233/JBR-180340	2019	2.175	0
21.	Cellini A., Donati I., Fiorentini L., Vandelle E., Polverari A. Venturi V., Buriani G., Vanneste J.L., <b>Spinelli F.</b> N-acyl homoserine lactones and Lux solos regulate social behaviour and virulence of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . Microbial Ecology (MECO-D-19-00033R1).	2019	3.614	0
22.	Donati I., Cellini A., Sangiorgio D., Vanneste J.L., Scortichini M., Balestra G.M., <b>Spinelli F.</b> Ecology and epidemiology of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> : the causal agent of bacterial canker of kiwifruit. Microbial Ecology (MECO-D-19-00134). <i>Accepted</i>	2019	3.614	0
23.	Balestra G.M., Buriani G., Cellini A., Donati I., Mazzaglia A., <b>Spinelli F.</b> First report of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> on kiwifruit pollen from Argentina. Plant Disease, 102: 237	2018	2.941	1
24.	Donati I., Cellini A., Buriani G., Mauri S., Kay C., Tacconi G., <b>Spinelli F.</b> Pathways of flower infection and pollen-mediated dispersion of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> , the causal agent of kiwifruit bacterial canker. Horticulture Research 5: 56	2018	3.368	0
25.	Gambi F., Pilkington S.M., McAtee P.A., Donati I., Schaffer R.J., Montefiori M., <b>Spinelli F.</b> , Burdon J. Fruit of three kiwifruit ( <i>Actinidia chinensis</i> ) cultivars differ in their degreening	2018	3.112	0



	response to temperature after harvest. <i>Postharvest Biology and Technology</i> 141: 16-23			
26.	Michelotti V., Lamontanara A., Buriani G., Orrù L., Cellini A., Donati I., Vanneste J.L., Cattivelli L., Tacconi G., <b>Spinelli, F.</b> Comparative transcriptome analysis of the interaction between <i>Actinidia chinensis</i> var. <i>chinensis</i> and <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> in absence and presence of acibenzolar-S-methyl. <i>BMC Genomics</i> 19, 585. <a href="https://doi.org/10.1186/s12864-018-4967-4">https://doi.org/10.1186/s12864-018-4967-4</a>	2018	3.730	0
27.	Purahong W., Orrù L., Donati I., Perpetuini G., Cellini A., Lamontanara A., Michelotti V., Tacconi G., <b>Spinelli F.</b> Plant Microbiome and Its Link to Plant Health: Host Species, Organs and <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> Infection Shaping Bacterial Phyllosphere Communities of Kiwifruit. <i>Plants. Front. Plant Sci.</i> 9:1563. doi: 10.3389/fpls.2018.01563	2018	3.677	0
28.	Shawer R., Donati I., Antonio Cellini A., <b>Spinelli F.</b> , Mori N. Insecticidal Activity of <i>Photorhabdus luminescens</i> against <i>Drosophila suzukii</i> . <i>Insects</i> 2018, 9:148; <a href="https://doi.org/10.3390/insects9040148">https://doi.org/10.3390/insects9040148</a>	2018	1.848	0
29.	Busatto N., Farneti B., Commisso M., Bianconi M., Iadarola B., Zago E., Ruperti B., <b>Spinelli F.</b> , Zanella A., Velasco R., Ferrarini A., Chitarrini G., Vrhovsek, U., Delledonne M., Guzzo F., Costa G., Costa F. Apple fruit superficial scald resistance mediated by ethylene inhibition is associated with diverse metabolic processes. <i>Plant Journal</i> 93: 270-285.	2018	5.775	2
30.	Cellini A., Buriani G., Rocchi L., Rondelli E., Savioli S., Rodriguez Estrada M.T., Cristescu S.M., Costa G., <b>Spinelli F.</b> Biological relevance of volatile organic compounds emitted during the pathogenic interactions between apple plants and <i>Erwinia amylovora</i> . <i>Molecular Plant Pathology</i> 19: 158–168	2018	4.188	4
31.	Cellini A., Blasioli S., Biondi E., Bertaccini A., Braschi I., <b>Spinelli F.</b> Potential applications and limitations of electronic nose devices for plant disease diagnosis. <i>Sensors</i> 17, art. no. 2596	2017	2.475	5
32.	Donati I., Mauri S., Buriani G., Cellini A., <b>Spinelli F.</b> Role of <i>Metcalfa pruinosa</i> as a Vector for <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Plant Pathology Journal</i> 33: 554-560	2017	1.407	1
33.	Falchi, R., D'Agostin E., Mattiello A., Coronica L., <b>Spinelli F.</b> , Costa G., Vizzotto, G. ABA regulation of calcium-related genes and bitter pit in apple. <i>Postharvest Biology and Technology</i> 132: 1-6	2017	3.112	5
34.	Sorrenti G., Buriani G., Gaggia F., Baffoni L., <b>Spinelli F.</b> , Di Gioia D., Moreno Toselli M. Soil CO <sub>2</sub> emission partitioning, bacterial community profile and gene expression of <i>Nitrosomonas</i> spp. and <i>Nitrobacter</i> spp. of a sandy soil amended with biochar and compost, <i>Applied Soil Ecology</i> 112: 79-89.	2017	2.916	4
35.	Cellini A., Biondi E., Blasioli S., Rocchi L., Farneti B., Braschi I., Savioli S., Rodriguez-Estrada M.T., Biasioli F., <b>Spinelli F.</b> Early detection of bacterial diseases in apple plants by analysis of volatile organic compounds profiles and use of electronic nose. <i>Annals of Applied Biology</i> , 168:409-420.	2016	2.046	9
36.	Collina M., Donati I., Bertacchini E., Brunelli A., <b>Spinelli, F.</b> Greenhouse assays on the control of the bacterial canker of kiwifruit ( <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> ). <i>Journal of Berry Research</i> 6: 407-415	2016	2.175	5
37.	Mauri S., Cellini A., Buriani G., Donati I., Costa G., <b>Spinelli F.</b> Optimization of cultural practices to reduce the development of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> , causal agent of the bacterial canker of kiwifruit. <i>Journal of Berry Research</i> 6: 355-371	2016	2.175	4
38.	Sanoubar R., Cellini A., Veroni A.M., <b>Spinelli F.</b> , Masia A., Vittori Antisari L., Orsini F., Prodocimi Gianquinto G. Salinity thresholds and genotypic variability of cabbage ( <i>Brassica oleracea</i> L.) grown under saline stress, <i>Journal of The Science of Food and Agriculture</i> 96: 319-330.	2016	2.379	9
39.	Cellini A., Biondi E., Buriani G., Farneti B., Rodriguez-Estrada, M.T., Braschi I., Savioli S.,	2015	1.782	4

	Blasioli S., Rocchi L., Biasioli F., Costa G., <b>Spinelli F.</b> Characterization of volatile organic compounds emitted by kiwifruit plants infected with <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> and their effects on host defences. <i>Trees Structure and Function</i> 30: 795-806.			
40.	Farneti B., Gutierrez M.S., Novak B., Busatto N., Ravaglia D., <b>Spinelli F.</b> , Costa G. Use of the index of absorbance difference (IAD) as a tool for tailoring post-harvest 1-MCP application to control apple superficial scald. <i>Scientia Horticulturae</i> 290: 110-116.	2015	1.760	10
41.	Farneti B., Busatto N., Khomenko I., Cappellin L., Gutierrez S., <b>Spinelli F.</b> , Velasco R., Biasioli F., Costa G, Costa F. Untargeted metabolomics investigation of volatile compounds involved in the development of apple superficial scald by PTR-ToF—MS. <i>Metabolomics</i> 11: 341-349	2015	3.511	18
42.	Biondi E., Blasioli S., Galeone A., <b>Spinelli F.</b> , Cellini A., Lucchese C., Braschi I. Detection of potato brown rot and ring rot by electronic nose: From laboratory to real scale. <i>Talanta</i> 129: 422-430.	2014	4.244	26
43.	Blasioli S., Biondi E., Samudrala D., <b>Spinelli F.</b> , Cellini A., Bertaccini A., Cristescu, S.M. Braschi I. Identification of Volatile Markers in Potato Brown Rot and Ring Rot by Combined GC-MS and PTR-MS Techniques: Study on <i>in Vitro</i> and <i>in Vivo</i> Samples, <i>Journal of Agricultural and Food Chemistry</i> 62: 337-347	2014	3.412	12
44.	Cellini A., Fiorentini L., Buriani G, Yu J. Donati I., Cornish D.A., Novak B., Costa G., Vanneste J.L., <b>Spinelli F.</b> Elicitors of the salicylic acid pathway reduce incidence of bacterial canker of kiwifruit caused by <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Annals of Applied Biology</i> 165: 441-453	2014	2.046	18
45.	Donati I, Buriani G, Cellini A, Mauri S, Costa G, <b>Spinelli F.</b> New insights on the bacterial canker of kiwifruit ( <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> ). <i>Journal of Berry Research</i> 4: 53 – 67	2014	2.175	34
46.	Machorro-Méndez I.A., Hernández-Mendoza A., Cardenia V., Rodríguez-Estrada M.T., Lercker G, <b>Spinelli F.</b> , Cellini A., García H.S. Assessment of in vitro removal of cholesterol oxidation products by <i>Lactobacillus casei</i> ATCC334. <i>Letters in Applied Microbiology</i> 57: 443 – 450	2013	1.471	4
47.	Reglinski T., Vanneste J.L., Wurms K., Gould E., <b>Spinelli F.</b> , Rikkerink E. Using fundamental knowledge of induced resistance to develop control strategies for bacterial canker of kiwifruit caused by <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Frontiers in Plant Science</i> 4: Article number 24	2013	3.677	20
48.	<b>Spinelli F.</b> , Cellini A., Vanneste J.L., Rodríguez-Estrada M.T., Costa G, Savioli S., Harren F.J.M., Cristescu S.M. Emission of volatile compounds by <i>Erwinia amylovora</i> : Biological activity in vitro and possible exploitation for bacterial identification. <i>Trees - Structure and Function</i> 26: 141-152	2012	1.782	14
49.	<b>Spinelli F.</b> , Vanneste J.L., and Costa G. Acylcyclohexanediones and biological control: combining complementary strategies to control fire blight. <i>Trees Structure and Function</i> 26:247-257.	2011	1.782	3
50.	Vanneste J.L., Giovanardi D., Yu J., Cornish D.A., Kay C., <b>Spinelli F.</b> and Stefani E. Detection of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> in kiwifruit pollen samples. <i>New Zealand Plant Protection</i> 64:246-251.	2011	-	36
51.	<b>Spinelli F.</b> , Sabatini E. and Costa G. The use of dioxygenase inhibitors as an alternative method to reduce scab incidence ( <i>Venturia inaequalis</i> ) in apple. <i>Crop Protection</i> 29:691-698.	2010	1.920	5
52.	Spinelli F., Fiori G., Noferini M. Sprocatti M. and Costa G. A novel type of seaweed extract as a natural alternative to the use of iron chelates in strawberry production. <i>Scientia Horticulturae</i> 125:263-269.	2009	1.760	34

53.	<b>Spinelli F.</b> , Fiori G., Noferini M., Sprocatti M., and Costa G. Perspectives on the use of a seaweed extract to moderate the negative effects of alternate bearing in apple trees. <i>Journal of Horticultural Science and Biotechnology</i> 131-137.	2009	0.715	33
54.	<b>Spinelli F.</b> , Noferini M., Vanneste J.L. and Costa G. Potentials of the electronic nose for the diagnosis of bacterial and fungal diseases in fruit trees. <i>EPPO</i> 49: 59-67.	2009	-	12
55.	<b>Spinelli F.</b> , Vanneste J.L., Ciampolini F., Cresti M., Rademacher W., Geider K. and Costa G., 2007. Potential and limits of acylcyclohexanediones for the control of blossom blight in apple and pear caused by <i>Erwinia amylovora</i> . <i>Plant Pathology</i> 56:702-710.	2007	2.303	9
56.	Fischer T.C., Halbwirth H., Roemmelt S., Sabatini E., Schlangen K., Andreotti C., <b>Spinelli F.</b> , Costa G., Forkmann G., Treutter D. and Stich K. Induction of polyphenol gene expression in apple ( <i>Malus x domestica</i> ) after the application of a dioxygenase enzyme inhibitor. <i>Physiologia Plantarum</i> 128: 604-617.	2006	2.580	28
57.	Spinelli F., Ciampolini F., Cresti M., Geider K. and Costa G. Influence of stigmatic morphology on flower colonization by <i>Erwinia amylovora</i> and <i>Pantoea agglomerans</i> . <i>European Journal of Plant Pathology</i> 113: 395-405.	2005	1.466	23
58.	<b>Spinelli F.</b> , Speakman J.B., Rademacher W., Halbwirth H., Stich K. and Costa G. Luteofolol, a flavan 4-ol, is induced in pome fruits by prohexadione-Ca and shows phytoalexin-like properties against <i>Erwinia amylovora</i> and other plant pathogens. <i>European Journal of Plant Pathology</i> 112:133-142.	2005	1.466	42
59.	<b>Spinelli F.</b> , Vanneste J.L., Marcazzan G.L. and Sabatini A.G. 2005. Effect of prohexadione-calcium on nectar composition of pomaceous and on bacterial growth. <i>New Zealand Plant Protection</i> 58: 106-111.	2005	-	4
60.	Rademacher W., van Saarloos K., Garuz Porte J.A., Riera Forcades F., Senechal Y., Andreotti C., <b>Spinelli F.</b> , Sabatini S. and Costa G. Impact of prohexadione-Ca on vegetative and reproductive performance of apple and pear trees. <i>European Journal of Horticultural Science</i> 69: 221-228.	2004	0.590	31
61.	Vanneste J.L., Cornish D.A., <b>Spinelli F.</b> and Yu J. Colonisation of apple and pear leaves by different strains of biological control agents of fire blight. <i>New Zealand Plant Protection</i> 57: 49-53.	2004	-	10
62.	Bazzi C., Messina C., Tortoreto L., Stefani E., Bini F., Brunelli A., Andreotti C., Sabatini E., <b>Spinelli F.</b> , Costa G., Hauptmann S., Stammler G., Doerr S., Marr J. and Rademacher W. Control of pathogen incidence in pome fruits and other horticultural crop plants with prohexadione-Ca. <i>European Journal of Horticultural Science</i> 68: 108-104.	2003	0.590	43
63.	Halbwirth H., Fischer T.C., Römmelt S., <b>Spinelli F.</b> , Schlangen K., Peterek S., Sabatini E., Messina C., Speakman J.B., Andreotti C., Rademacher W., Bazzi C., Costa G., Treutter D., Forkmann G. and Stich K. Induction of antimicrobial 3-deoxyflavonoids in pome fruit trees controls fire blight. <i>Zeitschrift für Naturforschung</i> 58 c: 765-770.	2003	0.882	38

- Up to December 2019

## BOOK CHAPTERS

**Spinelli F.**, Cellini A., Marchetti L., Mudigere Nagesh K., Piovone C. 2011. Induction of Volatile emission in response to stress and their role in stress adaptation. In: Venkateswarlu B. Shanker A.K., Abiotic stress in plants mechanisms and adaptation. p. 367-394, RIJEKA:InTech, ISBN: 9789533073941, WOS: 000364181000017 (Citazioni: 34)

Sangiorgio D., Cellini A., Donati I., **Spinelli F.** 2019. Utilizzo di biostimolanti microbici per mitigare gli stress abiotici enfatizzati dai cambiamenti climatici. In I BIOSTIMOLANTI IN AGRICOLTURA\* EDAGRICOLE - NEW BUSINESS MEDIA EDITOR. Ferrante A. (Ed.). In press

## ACTA HORTICULTURAE

	Titolo	Anno
1.	Correia, C.V., Da Ponte, N.A.M., Cellini, A., Donati, I., Santos, C., Spinelli, F. Selection of biological control agents against the pathogen <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> from phyllosphere of kiwifruit leaves (2022) <i>Acta Horticulturae</i> , 1332, pp. 117-123	2022
2.	Busatto, N., Farneti, B., Delledonne, M., Vrhovsek, U., Spinelli, F., Biasioli, F., Velasco, R., Costa, G., Costa, F. A multidisciplinary approach reveals new aspects of superficial scald aetiology and cold resistance mechanism in 'Granny Smith' apples. <i>Acta Horticulturae</i> , 1242: 447-453	2019
3.	Cellini A., Buriani G., Donati I., Rocchi L., Rodriguez-Estrada M.T., Savioli S., Cristescu S.M. and <b>Spinelli F.</b> Biological effect of VOCs produced during <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> infection of kiwifruit plant. <i>Acta Horticulturae</i> 1243: 7-13	2019
4.	I. Donati, S. Mauri, A. Cellini, G. Buriani, L. Fiorentini, G. Costa, S. Graziani and <b>F. Spinelli</b> . Influence of cultural practices on the incidence and severity of kiwifruit bacterial canker. <i>Acta Horticulturae</i> 1243: 59-64	2019
5.	Antoniacc L.i, Bugiani R., Rossi R., Calzolari A., Alessandrini A., Gozzi R., <b>Spinelli F.</b> , Cellini A., Mauri S. and Donati I. Validation of New Zealand Psa forecasting model in Emilia Romagna Region (Italy). <i>Acta Horticulturae</i> 1243: 71-77	2019
6.	Donati I., Cellini A., Fiorentini L., Buriani G., and <b>Spinelli F.</b> Effect of plant extracts on <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> gene expression, motility and virulence. <i>Acta Horticulturae</i> 1243: 79-84	2019
7.	Fiorentini L., Donati I., Cellini A., Buriani G., Vanneste J.L. and <b>Spinelli F.</b> Quorum sensing in <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa). <i>Acta Horticulturae</i> 1243: 85-90	2019
8.	Buriani, G., Donati, I., Cellini, A., Fiorentini, L., Vanneste, J.L., <b>Spinelli, F.</b> Molecular signalling in <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Acta Horticulturae</i> , 1218: 299-305	2018
9.	Buriani, G., Orrù, L., Lamontanara, A., Michelotti, V., Donati, I., Cellini, A., Tacconi, G., <b>Spinelli, F.</b> Modification of the phyllosphere bacterial biocoenosis by <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> infection. <i>Acta Horticulturae</i> , 1218: 275-278.	2018
10.	Ceccarelli A., Farneti B., Busatto, N., Costa F., Biasioli F., <b>Spinelli F.</b> , Costa, G. Is the physiological maturity at harvest influencing nectarine flavour after cold storage? <i>Acta Horticulturae</i> 1194: 1429-1434	2018
11.	Donati, I., Cellini, A., Buriani, G., Mauri, S., <b>Spinelli, F.</b> Insect-mediated vectoring of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Acta Horticulturae</i> , 1218: 269-273.	2018
12.	Donati, I., Buriani, G., Cellini, A., Raule, N., <b>Spinelli, F.</b> Screening of microbial biocoenosis of <i>Actinidia chinensis</i> for the isolation of candidate biological control agents against <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Acta Horticulturae</i> , 1218: 239-245	2018
13.	Michelotti, V., Lamontanara, A., Orrù, L., Buriani, G., Donati, I., Fiorentini, L., Tacconi, G., <b>Spinelli, F.</b> Transcriptome analysis of the <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa) pathogenesis process. <i>Acta Horticulturae</i> , 1218: 321-326.	2018
14.	Michelotti, V., Lamontanara, A., Orrù, L., Cellini, A., Donati, I., Buriani, G., Vanneste, J.L., Cattivelli, L., <b>Spinelli, F.</b> , Tacconi, G. <i>Actinidia-Pseudomonas syringae</i> pv. <i>actinidiae</i> interaction: Differentially expressed plant transcripts during infection. <i>Acta Horticulturae</i> , 1218: 315-320	2018
15.	Vanneste J.L., Yu J., Cornish D.A., Oldham J.M., <b>Spinelli F.</b> , Pattermore D.E., Moffat B., D'Accolti A. Survival of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> in the environment. <i>Acta Horticulturae</i> 1095: 105-110	2015
16.	Michelotti, V., Lamontanara, A., Orrù, L., Cattivelli, L., Tacconi, G., Buriani, G., Cellini, A., Donati, I., Spinelli, F., Vanneste, J. RNA-seq analysis of the molecular interaction between <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa) and the kiwifruit. <i>Acta Horticulturae</i> , 1096: 357-362	2015
17.	Costa G., Vidoni S., Rocchi L., Cellini A., Buriani G., Donati I., <b>Spinelli F.</b> Innovative non-destructive device for fruit quality	2015

	assessment and early disease diagnosis. <i>Acta Horticulturae</i> , 1096: 69-78	
18.	Vidoni S., Fiori G., Rocchi L., <b>Spinelli F.</b> , Musacchi S., Costa G. DAFL: New innovative device to monitor fruit ripening in storage. <i>Acta Horticulturae</i> : 549-554	2015
19.	Vidoni S., Rocchi L., Donati I., <b>Spinelli F.</b> , Costa G. Combined use of planttoon® and IAD to characterize fruit ripening homogeneity in 'Abbé Fétel' pears. <i>Acta Horticulturae</i> , 1094: 495-499	2015
20.	Michelotti V., Lamontanara A., Buriani G., Cellini A., Donati I., Vanneste J.L., Cattivelli L., <b>Spinelli F.</b> , Orru L.I., Tacconi G. 2015. Unraveling the molecular interaction between <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa) and the kiwifruit plant through RNAseq approach. <i>Acta Horticulturae</i> , 1095: 89-94.	2015
21.	Fameti B., Busatto, Nicola, Gutierrez M.S., <b>Spinelli F.</b> , Costa F., Khomenko I., Cappellin L., Biasioli F., Costa G. (2015). Detection of alpha-farnesene and 6-Methyl-5-hepten-2-one involved in the development of apple superficial scald by PTR-ToF-MS. <i>Acta Horticulturae</i> 1079: 365-372.	2015
22.	<b>Spinelli F.</b> , Costa G., Rondelli E., Vanneste J.L., Rodriguez Estrada M.T., Busi S., Savioli S., Harren F.J.M., Crespo E., and Cristescu S.M. Emission of volatiles during the pathogenic interaction between <i>Erwinia amylovora</i> And <i>Malus Domestica</i> . <i>Acta Horticulturae</i> 896: 55-64.	2011
23.	<b>Spinelli F.</b> , Costa G., Rondelli E., Vanneste J.L., Rodriguez Estrada Maria.T., Busi S., Savioli S. and Cristescu S. Volatile compounds produced by <i>Erwinia amylovora</i> and their potential exploitation for bacterial identification. <i>Acta Horticulturae</i> 896: 77-84	2011
24.	Costa G., <b>Spinelli F.</b> , Soto A., Nardoza S., Asteggiano L., Vittone G. Use of plant bioregulators in kiwifruit Production. <i>Acta Horticulturae</i> 913: 337-344	2011
25.	Vanneste J.L., Cornish D.A., Yu J, Callum K., Onorato R., Shane M. and <b>Spinelli F.</b> Recent advances in the characterisation and control of <i>Pseudomonas syringae</i> pv <i>actinidiae</i> , the causal agent of bacterial canker on kiwifruit. <i>Acta Horticulturae</i> 913: 443-455	2010
26.	<b>Spinelli F.</b> , Donati I., Vanneste J.L., Costa M. and Costa G. 2010. Real time monitoring of the interactions between <i>Pseudomonas syringae</i> pv <i>actinidiae</i> and <i>Actinidia</i> species. <i>Acta Horticulturae</i> 913: 461-465	2010
27.	Costa G., Noferini M., Fiori G. and <b>F. Spinelli</b> 2007. Innovative Application of Non-Destructive Techniques for Fruit Quality and Disease Diagnosis. <i>Acta Horticulturae</i> 753: 275-282.	2007
28.	<b>Spinelli F.</b> , Noferini M. and Costa G. Near Infrared spectroscopy (NIRs): perspective of Fire Blight detection in asymptomatic plant material. <i>Acta Horticulturae</i> 704: 87-91.	2006
29.	<b>Spinelli F.</b> , Costa G, Vanneste J., Cornish D.A. and Yu J. Growth-regulating acylcyclohexanediones, trinexapac-ethyl and prohexadione-calcium, decrease blossom blight incidence in pome fruits. <i>Acta Horticulturae</i> 704: 245-249.	2006
30.	Vanneste J.L., Cornish D.A., Yu J and <b>Spinelli F.</b> Establishment and survival on apple and pear leaves of different strains of biological control agents including <i>Pantoea agglomerans</i> P10c. <i>Acta Horticulturae</i> 704: 307-313.	2006
31.	<b>Spinelli F.</b> , Andreotti C., Sabatini E., Spada G., Ponti I., Geider K. And Costa G. Chemical control of Fire Blight in pear: in vitro and field experimental application of prohexadione-calcium, acibenzolar-S-methyl and copper preparations. <i>Acta Horticulturae</i> 704: 233-239.	2006
32.	Rademacher W., <b>Spinelli F.</b> and Costa G. Prohexadione-Ca: Modes of Action of a Multifunctional Plant Bioregulator for Fruit Trees. <i>Acta Horticulturae</i> 727:197-106.	2006
33.	<b>Spinelli F.</b> , J.B. Speakman, W. Rademacher, H. Halbwirth, K. Stich and Costa G. Prohexadione-calcium induces in apple the biosynthesis of luteofol, a novel flavan 4-ol, which is active against <i>Erwinia amylovora</i> . <i>Acta Horticulturae</i> 704: 239-245.	2006
34.	Costa G., Andreotti C., <b>Spinelli F.</b> and Rademacher W. Prohexadione-Ca: More than a Growth Regulator for Pome Fruit Trees. <i>Acta Horticulturae</i> 727: 107-116.	2005
35.	Costa G., E. Sabatini, <b>F. Spinelli</b> , C. Andreotti, C. Bomben and G. Vizzotto. Two Years of Application of Prohexadione-Ca on Apple: Effect on Vegetative and Cropping Performance, Fruit Quality, Return Bloom and Residual Effect. <i>Acta Horticulturae</i> 653:35-40.	2004
36.	Costa G., E. Sabatini, <b>F. Spinelli</b> , C. Andreotti, G. Spada. and F. Mazzini. Prohexadione-Ca controls vegetative growth and cropping performance in pear. <i>Acta Horticulturae</i> 653:127-132.	2004

37.	Costa G, <b>F. Spinelli</b> , E. Sabatini, and W. Rademacher. Incidence of Scab ( <i>Venturia inaequalis</i> ) in Apple as Affected by Different Plant Bioregulators. Acta Horticulturae 653:133-137.	2004
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**NATIONAL PUBLICATIONS**

1.	Gambi F., Pilkington S.M., McAtee P.A., Donati I., Schaffer R.J., Montefiori M., <b>Spinelli F.</b> , Burdon J. 2018. Effetto della temperatura sul viraggio del colore dei frutti a polpa gialla. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> 7: 22-27	2018
2.	Ancarani V., <b>Spinelli F.</b> , Musacchi S. 2018. Produttività e sapore premium nelle pere dell'Università di Bologna. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> 7: 22-27	2018
3.	Donati I., Dalbosco M., Palara U., <b>Spinelli F.</b> 2017. Effetti dell'incisione anulare sulla qualità dei frutti. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> 2017, (9): 36-42.	2017
4.	Sorrenti G., Toselli M., Reggidori G., <b>Spinelli F.</b> , Tosi L., Giacopini A., Tacconi G. Implicazioni della gestione idrica nella "moria del kiwi" del veronese. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> 3: 2-7	2016
5.	Cellini A., Buriani G., Donati I., Fiori G., Costa G., <b>Spinelli F.</b> La qualità e conservazione dei frutti di kiwi è influenzata dall'etilene indotto in preraccolta da <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> <i>Acta Italus Hortus</i> 20, 40	2016
6.	Sanoubar R., Cellini A., Savini L., Silvia Mancarella S., Orsini F., <b>Spinelli F.</b> , Prosdocimi Gianquinto G. Screening of salt-tolerant genotypes of Brassica based on biochemical pathway. <i>Acta Italus Hortus</i> 20, 39	2016
7.	Donati I., <b>Spinelli F.</b> , Scortichini M., Balestra G., Gianni Tacconi M., Tommasini M.G. Batteriosi del kiwi sette anni dopo: ricerche e progressi sino ad oggi. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> , vol. 12, p. 16-20, ISSN: 0392-954X	2016
8.	Cellini A., <b>Spinelli F.</b> 2015. Composti volatili nelle interazioni ecologiche vegetali. <i>ITALUS HORTUS</i> , vol. 22, p. 23-32, ISSN: 1127-3496	2015
9.	Pizzinat Alan, Nari L., Giraudo M., Giordani L., Asteggiano L., Pavarino A., Bevilacqua A., Vittone G., <b>Spinelli F.</b> 2014. Verifica dell'efficacia di possibili mezzi atti a prevenire la diffusione della batteriosi su giovani impianti di actinidia. <i>Quaderni della Regione Piemonte –Agricoltura. Ricerca applicata in frutticoltura. Sintesi dei risultati</i> 2013:90-98.	2014
10.	Pizzinat Alan, Giordani L., Asteggiano L., Nari L., Giraudo M., Pavarino A., Bevilacqua A., <b>Spinelli F.</b> , Morone C., Vittone G., 2014. Contenimento della batteriosi dell'actinidia in Piemonte. <i>Atti Giornate Fitopatologiche</i> , 2: 163:172.	2014
11.	Tosi L., Tacconi G., <b>Spinelli F.</b> , Posenato G., Bertaiola F., Giacopini A. - Efficacia di alcuni formulati nei confronti del cancro batterico dell'actinidia causato da <i>Pseudomonas syringae</i> pv <i>actinidiae</i> . <i>Atti Giornate Fitopatologiche</i> , Chianciano Terme 18-21 marzo 2014, II: 157-162.	2014
12.	Fiorentini L., Cellini A., Costa G., Vanneste J.L., <b>Spinelli F.</b> Gli induttori di resistenza nel controllo della Psa del kiwi. <i>Rivista Di Frutticoltura E Di Ortofloricoltura</i> , vol. 6, p. 55-59, ISSN: 0392-954X	2013
13.	Cellini A., Riccò I., Rocchi L., Costa G., <b>Spinelli F.</b> <i>Utilizzo del naso elettronico per la diagnosi precoce di patologie batteriche in astoni di melo dormienti</i> , in: <i>ACTA ITALUS HORTUS</i> , 2013, pp. 145	2013
14.	Fiorentini L., Cellini A., Donati I., Vanneste J., Costa G., <b>Spinelli F.</b> <i>Induzione di resistenza per il controllo del cancro batterico dell'Actinidia</i> , in: <i>Acta Italus Hortus</i> , 2013, pp. 36	2013
15.	Vidoni S., Piccinini L., Noferini M., Franceschini C., Laghezza L., Rocchi L., Donati I., F. <b>Spinelli F.</b> , Costa G. <i>Rapporti fra architettura della pianta e maturazione dei frutti in Abate Fétel</i> , in: <i>Convegno conclusivo AGER Innovapero</i> , Ferrara, 2013, pp. 120 - 125 (atti di: Ager Innovapero, Ferrara, 18/10/2013)	2013
16.	Vidoni S., Noferini M., Piccinini L., Gagliardi F., Mesa K, Ancarani V., Bucci D., Serra S., <b>Spinelli F.</b> , Musacchi S., Costa G. <i>Relazione fra la maturazione dei frutti (Abate Fétel) e il loro decorso in conservazione</i> , in: <i>Convegno conclusivo AGER Innovapero</i> , 2013, pp. 126 - 132 (atti di: AGER Innovapero, Ferrara, 18/10/2013)	2013
17.	Vidoni S., Piccinini L., Noferini M., Franceschini C., Laghezza L., Rocchi L., Donati I., F. <b>Spinelli F.</b> , Costa G. <i>Rapporti fra architettura della pianta e maturazione dei frutti in Abate Fête</i> , in: <i>Atti del Convegno Conclusivo Progetto AGER INNOVAPERO</i> , Ed. UnifePress, 2013, pp. 119 - 124 (atti di: Convegno Conclusivo Ager Innovapero, Ferrara, 18 ottobre 2013)	2013
18.	<b>Spinelli F.</b> , Donati I., Cellini A., Buriani G., Vanneste J.L., Tacconi G., Costa G. (2012). Aspetti biologici ed epidemiologici. <i>Kiwi Informa</i> , vol. 1-3, p. 16-17	2012
19.	Tacconi G., <b>Spinelli F.</b> Monitoraggio via PCR della diffusione di <i>Pseudomonas syringae</i> pv <i>actinidiae</i> in frutteto neo-infetto ed effetto della capitozzatura. <i>Kiwi Informa</i> , vol. 8, p. 28-31	2012
20.	Costa G., Donati I., <b>Spinelli F.</b> , Graziani S., Vittone G., Onorato R., Bucci V., Donati G., Pelliconi F. <i>Ruolo delle tecniche</i>	2012

	agronomiche sul cancro batterico dell'actinidia. Kiwi Informa, vol. 1-3, p. 46-47	
21.	Costa G., Donati I., Mauri S., Novak B., Kay C., <b>Spinelli F.</b> , Fiorentini L. Ruolo delle tecniche agronomiche nella prevenzione del Psa. Rivista Di Frutticoltura E Di Ortofloricoltura, vol. 9, p. 36-40, ISSN: 0392-954X	2012
22.	<b>Spinelli F.</b> ; Donati I.; Mauri S.; Preti M.; Fiorentini L.; Cellini A.; Buriani G.; Costa G., <i>Osservazioni sullo sviluppo del cancro batterico</i> . Rivista Di Frutticoltura E Di Ortofloricoltura 9: 32 - 36	2012
23.	Costa G., Piccinini L., Bonora E., Fiori G., Noferini M., <b>Spinelli F.</b> Ruolo dei fitoregolatori in pre-raccolta: impieghi e problematiche aperte. In: I fitoregolatori in agricoltura: recenti acquisizioni – Ferrara, 16 ottobre 2009	2009
24.	<b>Spinelli F.</b> , Costa G. 2008. Strategie integrate per il controllo del colpo di fuoco batterico. ITALUS HORTUS 15: 127-237.	2008
25.	Ziosi V., Fiori G., Noferini M., Ravaglia R., <b>Spinelli F.</b> , Costa G. L'1-metilciclopropene (1-mcp) rallenta il rammollimento della polpa e riduce la suscettibilità a <i>Botrytis cinerea</i> del frutto di actinidia, in: 8° Convegno Nazionale Actinidia 2007 - Atti del Convegno - Riassunti, CUNEO, Università degli Studi di Torino, 2007, unico, pp. 44 - 44	2007
26.	<b>Spinelli F.</b> , Fiori G., Bregoli A.-M., Sprocatti M., Vancini R., Pelliconi F. and Costa G. Disponibile un nuovo biostimolante per aumentare l'efficienza produttiva. Rivista di Frutticoltura e di Ortofloricoltura 12: 66-75	2006
27.	Noferini M., <b>Spinelli F.</b> , Costa G. NIRs e naso elettronico: prospettive di diagnosi delle patologie vegetali). Atti 7 <sup>th</sup> Giornate Scientifiche SOI, Napoli 4-6/5/ 2004.	2004
28.	<b>Spinelli F.</b> , Ciampolini F., Cresti M., Geiger K. and Costa G. Applicazione della microscopia confocale allo studio del processo infettivo dell' <i>Erwinia amylovora</i> ). Atti 7 <sup>th</sup> Giornate Scientifiche SOI, Napoli 4-6/5/ 2004.	2004
29.	<b>Spinelli F.</b> , Speakman J.B., Rademacher W., Halbwirth H. and Stich. K. Il prohexadione-calcio induce in pomacee la neosintesi di una nuova fitoalessina: il luteoforolo. Atti 7 <sup>th</sup> Giornate Scientifiche SOI, Napoli 4-6/5/ 2004.	2004
30.	Andreotti C., Sabatini E., <b>Spinelli F.</b> and Costa G., 2003. Controllo del Colpo di Fuoco Batterico del pero mediante l'impiego del Prohexadione-Ca: alcune indicazioni sperimentali. Notiziario Tecnico CRPV n° 66, Marzo 2003: 119-130.	2003
31.	<b>Spinelli F.</b> 2003. Introduzione nell'ambiente di batteri avirulenti e fagi specie-specifici contro il colpo di fuoco batterico: dinamiche ambientali e prospettive di biocontrollo. Review in: Sansavini S., Tagliavini M. (eds.) Metodologie avanzate e ricerca innovativa in arboricoltura- seminari dei dottorandi 1997-2003, vol. 2: 158-182	2003

## MEETINGS

1. Andreotti C., **Spinelli F.** and Costa G. 2003. Agronomical and phytopathological evaluation of dioxygenase inhibitors on pear and apple. Proceeding of: Induction of pathogen resistance in fruit trees by transiently altering the flavonoid metabolism with specific enzyme inhibitors. DCA Università di Bologna, Bologna, 12 Febberaio 2003.
2. Cellini A.; Fiorentini L.; Vanneste J.L.; Cristescu S.M.; Harren F.J.M.; Costa G.; **Spinelli F.** *Induction of ethylene by Pseudomonas syringae pv. actinidiae and its role in the pathogenesis*. In: Abstracts of the IX International Conference on the Plant Hormone Ethylene, AUCKLAND, s.n, 2012, pp. 96 (atti di: IX International Conference on the Plant Hormone Ethylene, Rotorua, New Zealand, 19-23 March, 2012)
3. Costa G., **F. Spinelli**, Andreotti C., Bregoli A. M., Fiori G., Noferini M. and Ziosi V. 2006. Sustainable production methods , resistant inducers and BCAs: combining environmental friendly strategies for fire blight control. Cost Action 864- Pome fruit health research in Europe: Current Status 2006 pp: 94-96.. 20-21 November Vienna, Austria (ISBN-10:3-200-00811-3; ISBN-13:987-3-200-00811-3).
4. Costa G., Piccinini L., Bonora E., Fiori G., Noferini M. and **Spinelli F.** 2009. Ruolo dei fitoregolatori in pre-raccolta: impieghi e problematiche aperte. I fitoregolatori in frutticoltura: recenti acquisizioni -16-10-2009, Ferrara Sala Convegni Hera
5. Costa G; Donati I; Mauri S; Graziani S; Cellini A; Buriani G; Fiorentini L; Rocchi L; Giacomuzzi V; **Spinelli F.** *influence of orchard management on kiwifruit bacterial disease*, in: Proceedings of 1st International Symposium on Bacterial Canker of Kiwifruit (Psa). Mt Maunganui New Zealand, 19-22 November 2013, 2013, pp. (atti di: 1st International Symposium on Bacterial Canker of Kiwifruit (Psa)., Mt Maunganui New Zealand., 19-22 November 2013
6. **Spinelli F.**, Andreotti C., Bregoli A. M., Ciampolini F., Cresti M., Fiori G., Noferini M., Ziosi V. and Costa G. 2006. Development of sensitive, specific and rapid instrumental methods to detect low levels of pathogenic microorganisms directly *in planta*. Cost Action 864- Pome fruit health research in Europe: Current Status 2006 pp: 169-17194. 20-21 November Vienna, Austria (ISBN-10:3-200-00811-3; ISBN-13:987-3-200-00811-3).



7. **Spinelli F.**, Rapparini F., Noferini M., Rondelli E., Baraldi R. and Costa G. 2006. BVOCs produced by *Pyrus communis* in response to fire blight infection. XVII International Botanical Congress. July 17 - 23, pp. 552.
8. **Spinelli F.**, Andreotti C., Speakman J.B. and Costa G. 2003. Host-pathogens relationship as affected by prohexadione-Ca. Proceeding of: Induction of pathogen resistance in fruit trees by transiently altering the flavonoid metabolism with specific enzyme inhibitors. DCA Università di Bologna, Bologna, 12 Febbraio 2003.
9. **Spinelli F.**; Rapparini F.; Noferini M.; Rondelli E.; Baraldi R.; Costa G., *BVOCs produced by Pyrus communis in response to fire blight infection.*, in: XVII International Botanical Congress, s.l, s.n, 2006, pp. 552 - 552 (atti di: XVII International Botanical Congress, Wien (A), 17 – 23 July 2005)
10. **Spinelli F.**; Cellini A; Biondi E; Blasioli S; Buriani G; Donati I; Giacomuzzi V; Rodriguez Estrada M T; Braschi I; Savioli S; Farneti B; Romano A; Biasioli F; Cristescu S; Vanneste J; Costa G, *Detection of volatile organic compounds for the early diagnosis of fire blight on asymptomatic plant material*, in: Proceedings of the 19th Australasian Plant Pathology Conference, 2013, pp. (atti di: 19th Australasian Plant Pathology Conference, Auckland, 25-29 Novembre 2013)
11. **Spinelli F.**; Cellini A; Biondi E; Blasioli S; Buriani G; Donati I; Giacomuzzi V; Rodriguez Estrada M T; Braschi I; Savioli S; Farneti B; Romano A; Biasioli F; Cristescu S; Vanneste J; Costa G, *Detection of volatile organic compounds for the early diagnosis of fire blight on asymptomatic plant material*, in: Proceedings of the 19th Australasian Plant Pathology Conference, 2013, pp. nd - nd (atti di: 19th Australasian Plant Pathology Conference, Auckland, 25-29 Novembre 2013)
12. **Spinelli F.**; Cellini A; Biondi E; Blasioli S; Buriani G; Donati I; Giacomuzzi V; Rodriguez Estrada M T; Savioli, *Preliminary results on the use of electronic nose for the early diagnosis of bacterial canker of kiwifruit*, in: Proceedings of the 19th Australasian Plant Pathology Conference, 2013, (atti di: 19th Australasian Plant Pathology Conference, Auckland, New Zealand, 25-28 Novembre 2013)
13. **Spinelli F.**; Cellini A; Buriani G; Donati I; Giacomuzzi V; Maria Teresa Rodriguez-Estrada; Fernandez Ferrari MC; Savioli S; Costa G; Vanneste J; Angeli S, *Volatile organic compounds produced by fire blight infected apple flowers reduce honeybees visits*, in: The 29th International Horticultural Congress, 2014, (atti di: The 29th International Horticultural Congress, Brisbane, Australia, 17-22 August 2014)
14. **Spinelli F.**; Cellini A; Buriani G; Donati I; Giacomuzzi V; Rodriguez Estrada MT; Savioli S; Costa G; Vanneste J; Angeli S, *Volatile organic compounds produced by fire blight infected apple flowers reduce honeybees visits*, in: Proceedings of 19th Australasian Plant Pathology Conference, 2013, (atti di: 19th Australasian Plant Pathology Conference, 19th Australasian Plant Pathology Conference, 25-28 Novembre 2013)
15. **Spinelli F.**; Donati I; Cellini A; Buriani G; Giordani L; Vittone G; Tosi L; Tacconi G; Kay C; Onorato R; Giacomuzzi V; Vanneste J; Costa G, *Control of Pseudomonas syringae pv. actinidiae: 3 years of field trials performed in parallel in 4 different geographical areas*, in: Proceedings of 1st International Symposium on Bacterial Canker of Kiwifruit (Psa). Mt Maunganui New Zealand, 19-22 November 2013, 2013, pp. 45 (atti di: 1st International Symposium on Bacterial Canker of Kiwifruit (Psa), Mt Maunganui New Zealand, 19-22 November 2013)

Bologna 26-6-2020

In fede

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