

**PERSONAL INFORMATION****Name****GIOVANARDI DAVIDE****ADDRESS**

VIA BETTUZZI N° 51 – 42013 SALVATERRA DI CASALGRANDE (RE)

mobile

+39 3287813824

E-maild_giova81@yahoo.itdavide.giovanardi@unimore.it**Nationality**

Italian

DATE AND PLACE OF BIRTH

22-01-1981, REGGIO EMILIA -ITALY

State personal website[Loop](#)[ORCID](#)[Institutional webpage](#)**WORK EXPERIENCE****• Date**

From 01.02.2022 – present

*University of Modena & Reggio Emilia (Italy),**Department of Life Science**Senior Scientist and Lecturer (Tenure Track) in Plant Pathology (RTD-B art. 24 c.3-b L. 240/10).*

University lecturer and Principal Investigator; institutional teaching activity, supervision of international and national research programmes, management of labs and external premises (experimental fields, glasshouses, etc...), coordination and supervision of lab staff, mentoring and tutoring of graduate and PhD students.

• Date*Feb 2018- Jan 2022*

CORA SEEDS s.r.l., Via Boscone, 1765/A 47522 Cesena (FC)

Vegetables seed company

Quality and Control Manager

Development and implementation of seed germination tests, purity/germination standards prescribed by the International Seed Federation (ISF). Data analysis. Collect QC data from quality assurance personnel and create detailed production reports for project managers and clients. Provide support for new projects and coordinate with the production teams and personnel to troubleshoot licensing or compliance issues. Supervisor and

coordinator of phytosanitary, phenotypical and genetic purity control, monitoring and testing of seed production and trading. Coordinator in the R&D team of the molecular/bioassay screening for crop resistance to pests. Perform quarterly seed testing and optimization analysis on QC equipment to ensure correct operational performance and results.

• **Date**

Jan 2016 - Jan 2018

University of Modena & Reggio Emilia (Italy),
Department of Life Science

Research Associate (Senior)

Research activity and supervision of international and national research programs, management of labs and external premises (experimental fields, glasshouses, etc...), coordination and supervision of lab staff, mentoring and tutoring of graduate and PhD students.

• **Date**

Jan 2013 – Dec 2015

University of Modena & Reggio Emilia (Italy),
Department of Life Science

Research Associate (Senior) within the following research project: Seed health: development of seed treatment methods, evidence for seed transmission and assessment of seed health. Acronym: TESTA, EU 7th Framework Programme

<https://cordis.europa.eu/project/id/311875/reporting/it>

Develop a range of novel methods to underpin disease control in vegetable crops, including faster, more accurate methods to assess the mode of seed transmission; economic and practical sampling approaches for the detection of low levels in large seed lots, novel and efficient generic detection methodologies, non-destructive testing methods and improved, effective and sustainable disinfection methods; design and management of field experiments (Italy and Serbia) to study the epidemiology and control of bacterial diseases of tomato and pepper.

• **Date**

Jan 2012 – Dec 2012

University of Modena & Reggio Emilia (Italy),
Department of Life Science

Research Associate (Senior) within the following research project:

Development of a new diagnostic tool using DNA barcoding to identify quarantine organisms in support of plant health. Acronym: QBOL. EU 7th Framework Programme. <https://cordis.europa.eu/project/id/226482/reporting>

• **Date**

Jan 2009 – Dec 2011

University of Modena & Reggio Emilia (Italy),
Department of Life Science

PhD student at the Dept. of Agricultural and Food Sciences, Faculty of Agriculture

Bacterial diseases, Molecular detection and identification of plant pathogens,

Population genetics of bacteria, Development and implementation of innovative Integrated Pest Management strategies.

- **Date** Aug 2007 – Jun 2008
University of Lleida (Spain), Faculty of Agriculture

Graduate assistant

Analysis of the development of root structure in barley, QTLs Analysis, Development of Molecular Markers for Plant Breeding.

- **Date** Jan 2004 – Apr 2005
CRA, Fiorenzuola D' Arda, Piacenza. (Italy)

Undergraduate assistant

DNA technologies, Development of Molecular Markers.

**INTERNATIONAL WORKING
EXPERIENCE**

- **Date** *January 2010 - June 2010*
UMR-Pavé (INRA Angers) Angers (FR)

Research associate

Molecular characterization of *Xanthomonas arboricola* pv. *juglandis* population by MLVA (Multi Locus Variable Analysis) and MLSA (Multi Locus Sequence Analysis)

- **Date** *February 2014 - May 2014*
Naktuinbouw, Leiden (The Netherlands)

Naktuinbouw (Netherlands Inspection Service for Horticulture)

Researcher

Sweatbox assay and Generic platform- improved detection/diagnostics (DNA extraction by King Fish and TaqMan PCR's) for *Acidovorax citrulli* on cucurbit seed.

- **Date** *October 2015 - December 2015*
College of Agricultural and Environmental Sciences, Department of Plant Pathology, Athens (USA).

University of Georgia (USA)

Senior Researcher

Comparison of seed health assays for *Acidovorax citrulli* and an insight into the strategies (IPM) used to manage BFB by the seed industry.

- **Date** *April 2017 – June 2017*

College of Agricultural and Environmental Sciences, Department of Plant

Pathology, Athens (USA).

University of Georgia (USA)

Senior Researcher

Development of seed treatments using biological control agents (BCAs) to implementing effective bacterial fruit blotch (BFB) management strategies.

TEACHING ACTIVITIES

Institutional teaching activity:

- **Date** A.Y. 2021/2022 - present: Integrated Approaches for The Management of Plant Pathogens [course code SISTA-0006]. LM69 “Integrated sustainability of Agricultural Systems (DM 270/04), University of Modena and Reggio Emilia. Number of hours: 48, Credits: 6. Sector: AGR/12.
- **Date** A.Y. 2021/2022 - present: Phytopathological Diagnostic [SISTA-0019]. Integrated sustainability of Agricultural Systems (course code: DM 270/04), University of Modena and Reggio Emilia. Number of hours: 24, Credits: 3. Sector: AGR/12.

Occasional and contract teaching:

- **Date** July 2022: Visiting Lecturer and Laboratory trainer at Kosovo Institute of Agriculture (KIA), Peja (Kosovo). Course: "Training course on seed testing according to EPPO (European Plant Protection Organization) diagnostic protocol standards for *Xanthomonads* and *Clavibacter michiganensis* subsp. *michiganensis* quarantine bacteria on tomato and pepper". Number of hours: 35. Sector: AGR/12
- **Date** June 2023: Seminar - “Postharvest diseases of fruits and vegetables: exploitation of microbial antagonists for the control”. Summer School “Discovery of the Top Food Productions in the Emilia Romagna Region: Scientific and Practical Approach Blended Intensive Program” – BIP University of Modena and Reggio Emilia with the University of Caen, Prague and Valencia. Number of hours: 3. Sector: AGR/12.
- **Date** September 13th, 2023: Seminar - “Phytopathological quality of vegetable seeds in the global market: a challenge for supporting sustainable agriculture and food security”. Research Doctorate in Food and Agricultural Science, Technology and Biotechnology. University of Modena and Reggio Emilia. Number of hours: 3. Sector: AGR/12.
- **Date** November - December 2023: Visiting Professor at Universidad de O’Higgins (San Fernando, Chile). Teaching course: “Advanced Plant Pathology” (Code: AGR54081). Number of hours: 16, Credits: 4. Sector: AGR/12.
- **Date** February 13th, 2024: Seminar - “Phytopathological quality of vegetable seeds in the global market: a challenge for supporting sustainable agriculture and food security”. Research Doctorate in Food and Agricultural Science, Technology and Biotechnology. University of Modena and Reggio Emilia. Number of hours: 3. Sector: AGR/12.
- **Date** February 16th, 2024: Seminar - “Postharvest disease management of fruits and vegetables: microbial biocontrol as eco-friendly strategy in sustainable agriculture”. Research Doctorate in Food and Agricultural Science, Technology

and Biotechnology. University of Modena and Reggio Emilia. Number of hours: 3. Sector: AGR/12.

- **Date** June 2024: Seminar - "Postharvest diseases of fruits and vegetables: exploitation of microbial antagonists for the control". Summer School "Discovery of the Top Food Productions in the Emilia Romagna Region: Scientific and Practical Approach Blended Intensive Program" – BIP University of Modena and Reggio Emilia with the University of Caen, Prague and Valencia. Number of hours: 3. Sector: AGR/12.

EDUCATION AND TRAINING

- **Date** 2024
Italian Ministry of Universities and Research (MiUR)
National Scientific qualification as associate professor in the Italian higher education system, in the call 2023/2025 (Ministerial Decree n. 1796/2023) for the disciplinary field of 07/D1 - Plant pathology and entomology. (Academic Recruitment Field 07/D - Plant pathology and entomology, according to the national classification).
The validity of the qualification is eleven years, starting from the 27/06/2024 and will expire on the 27/06/2035.
- **Date** 2012
University of Modena & Reggio Emilia (Italy), Faculty of Agriculture
PhD in Plant Pathology
"Epidemiology, molecular characterization and biological control of *Xanthomonas arboricola* pv. *juglandis*, the causal agent of bacterial blight of walnut"
- **Date** 2010
University of Modena & Reggio Emilia (Italy), Faculty of Agriculture
Professional Qualification as Agronomist (Esame di Stato).
- **Date** 2008
University of Modena & Reggio Emilia (Italy), Faculty of Agriculture
MSc in Plant Biotechnology
- **Date** 2005
University of Modena & Reggio Emilia (Italy), Faculty of Agriculture
BSc in Plant Biotechnology

Mother tongue

ITALIAN

ENGLISH

Listening	C2 - PROFICIENT USER
Reading	C2 - PROFICIENT USER
Spoken interaction	C2 - PROFICIENT USER
Spoken production	C2 - PROFICIENT USER
Writing	C2 - PROFICIENT USER

	SPANISH
<i>Listening</i>	B2 - INDEPENDENT USER
<i>Reading</i>	B2 - INDEPENDENT USER
Spoken interaction	C1 - PROFICIENT USER
Spoken production	B2 - INDEPENDENT USER
Writing	A1/2: BASIC USER

Organisational / managerial and Job-related skills

Detail-oriented, hard-working, punctual, energetic work mentality and quick learner. Strong experience in design and management of greenhouse experiments and field trials of several crops, including tomato, pepper and watermelon. Exemplary leadership and supervisory skills. Innovative problem-solving abilities. Excellent written and verbal communication skills. Interact with research and product teams and other functions to guarantee end-to-end implementation of plans according to the stakeholders' needs. Knowledge background in vegetable seeds and vegetable crop production, with a strong experience in developing and implementing project work and plan for stakeholders of vegetables sector, including customers, Seed Companies, Breeders and Product Development Specialists. Application for phytosanitary certifications and finding out what seed tests and treatments needed to pass quarantines for EU countries. Strategic planning experience, including resource allocation and personnel management. Excellent computer literacy. Strong SPSS and MiniTab statistical software skills to track and analyze data.

H-Index Scopus

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MEMBERSHIP:

- Member of the Italian Phytopathological Society (S.I.Pa.V.).
- Associate Editor for the Research Topic, "[Infection and Colonization of Horticultural Crops by Microbial Pathogens](#)", hosted in the Plant Pathogen Interactions section of Frontiers in Plant Science.
- Member of the Editorial Board as [Associated Editor of Frontiers in Plant Pathogen Interactions section](#).
- Member of the Editorial Board as [Associated Editor of Microbiological Research](#).
- Member of the Doctoral Council Program in Food and Agricultural Science, Technology And Biotechnology, Dot - 1317283 – University of Modena and Reggio Emilia (Italy).

Driving licence

B

1. Terzi V., Morcia C., **Giovanardi D.**, D'Egidio M. G., Stanca A. M. and Faccioli P. 2004. DNA-based analysis for authenticity assessment of monovarietal pasta. *Eur. Food Res. Technol.* 219: 428–431. (DOI 10.1007/s00217-004-0965-7) [H-index: 102; IF: 3.005; Q1].
2. Vanneste J.L., **Giovanardi D.**, Cornish D.A., Kay C., Spinelli F. and Stefani E. 2011. Detection of *Pseudomonas syringae* pv. *actinidiae* in kiwifruit pollen samples. *New Zealand Plant Protection* 64: 246-251. [H-index: 20; Q2].
3. **Giovanardi D.** and Stefani E. 2011. Dissemination of *Pseudomonas syringae* pv. *actinidiae* through pollen and its epiphytic life on leaves and fruits. *Phytopathologia Mediterranea* 50, 489–496. [H-index: 46; IF: 2.037; Q3 (2011)].
4. Tontou R., **Giovanardi D.** and Stefani E. 2014. Pollen as a possible pathway for the dissemination of *Pseudomonas syringae* pv. *actinidiae* and bacterial canker of kiwifruit. *Phytopathologia Mediterranea*. 53, 1-10. [H-index: 46; IF: 2.037; Q1 (2014)].
5. Loreti S., N. Pucci, G. Perez, V. Catara, M. Scortichini, P. Bella, P. Ferrante, **D. Giovanardi** and E. Stefani. 2015. Detection and identification of *Xanthomonas arboricola* pv. *pruni* from symptomless plant material: results of an Italian test performance study. In: *Bulletin OEPP/EPPO Bulletin* (2015) 45 (1), 41–51 ISSN 0250-8052. DOI: 10.1111/epp.12194. [H-index: 36; Q2)].
6. **Giovanardi D.**, M. Ferrari and E. Stefani. 2015. Seed transmission of *Acidovorax citrulli*, implementation of its detection in watermelon seeds and development of disinfection methods. In: *Proceedings of the VII Congress of Plant Protection of Serbia, IOBC-EPRS, IOBC-WPRS, Belgrade: 59-63.* (ISBN 978-86-83017-27-0).
7. **Giovanardi D.**, E. Biondi, S. Perez, M. Ignjatov, K. Gasic, M. Ferrari, R. Jevtic and E. Stefani. 2015. Seed transmission of *Xanthomonas vesicatoria* and *Clavibacter michiganensis* subsp. *michiganensis* in tomato and *Xanthomonas euvesicatoria* in pepper and implementation of seed disinfection methods. In: *Proceedings of the VII Congress of Plant Protection of Serbia, IOBC-EPRS, IOBC-WPRS, Belgrade: 53-58.* (ISBN 978-86-83017-27-0).
8. Tondou R., Gaggia F., Baffoni L., Devescovi G., Venturi V., **Giovanardi D.**, Stefani E. 2015. Molecular characterization of an endophyte showing a strong antagonistic activity against *Pseudomonas syringae* pv. *actinidiae*. In: *Plant and Soil.* (DOI 10.1007/s11104-015-2624-0). [H-index: 190; IF: 4.712; Q1].
9. **Giovanardi D.**, Bonneau S., Gironde S., Fischer-Le Saux M., Manceau C. and Stefani E. 2015. Population features of *Xanthomonas arboricola* pv. *juglandis*, the causal agent of the bacterial blight of walnut in Italia. In: *European Journal of Plant Pathology.* (DOI 10.1007/s10658-015-0809-2). [H-index: 93; IF: 2.022; Q1].
10. Tondou R., **Giovanardi D.**, Ferrari M. and Stefani E. 2016. Isolation of bacterial endophytes from *Actinidia chinensis* and preliminary studies on their possible use as antagonists against *Pseudomonas syringae* pv. *actinidiae*. In: *Journal of Berry Research* (DOI 10.3233/JBR-160118). [H-index: 25; IF: 2.352; Q1 (2016)].
11. **Giovanardi D.**, D., Dallai D. and Stefani E. 2016. Population features of *Xanthomonas arboricola* pv. *pruni* from *Prunus* spp. orchard in northern Italy. In: *European Journal of Plant Pathology* (DOI 10.1007/s10658-016-1040-5). [H-index: 93; IF: 2.022; Q1].
12. **Giovanardi D.**, Dallai D., Dondini L., Mantovani V. and Stefani E. 2016. Elicitation of resistance to bacterial canker of stone fruits by humic and

- fulvic acids (glucohumates): a cDNA-AFLP-dHPLC approach. In: *Scientia Horticulturae* (DOI 10.1016/j.scienta.2016.09.048). [H-index: 112; IF: 3.463; Q1].
13. **Giovanardi D.**, Sutton, S.A., Stefani E. and Walcott, R.R. 2017. Factors influencing the detection of *Acidovorax citrulli* in naturally contaminated seeds. In: *Seed and Science Technology*, 46, 6, 93-106. (DOI: 10.15258/sst.2018.46.1.09). [H-index: 42; IF: 0.641; Q3].
 14. **Giovanardi D.**, Ferrante, P., Scortichini M. and Stefani E. 2018. Characterization of *Pseudomonas syringae* isolates from *Prunus armeniaca* orchards in northern Italy. In: *European Journal of Plant Pathology*. (DOI: 10.1007/s10658-018-1424-9). [H-index: 93; IF: 2.022; Q1].
 15. **Giovanardi D.**, Biondi E., Ignjatov M., Jevtić, R., and Stefani E. 2018. Impact of bacterial spot outbreaks on the phytosanitary quality of tomato and pepper seeds. In: *Plant Pathology*, (DOI: 10.1111/ppa.12839). [H-index: 85; IF: 2.590; Q1].
 16. Loreti, S., Cunty, A., Pucci, N., Chabirand, A., Stefani, E., Abelleira, A., Balestra, G. M., Cornish, D., Gaffuri, F., **Giovanardi, D.**, Gottsberger, R., Holeva, M., Kaharan, A., Karafla, C., Mazzaglia, A., Taylor, R., Cruz, L., López, M., Vanneste, J., and Poliakoff, F. 2018. Performance of diagnostic tests for the detection and identification of *Pseudomonas syringae* pv. *actinidiae* (Psa) from woody samples. In: *European Journal of Plant Pathology*, (DOI 10.1007/s10658-018-1509-5). [H-index: 93; IF: 2.022; Q1].
 17. Vurukonda, S. S. K. P, **Giovanardi D.** and Stefani E. 2018. Plant growth promoting and biocontrol activity of *Streptomyces* spp as endophyte. In: *International Journal of Molecular Science*, 19, 952 (DOI: 10.3390/ijms19040952). [H-index: 162; IF: 6.132; Q1].
 18. Stefani, Emilio, **Giovanardi, D.**, Cunty, Amandine, Olivier, Valérie, Grimault, Valérie, Pucci, Nicoletta, Popovic, Tatjana. (2020, January 29). Consensus Detection and Identification Protocol for *Acidovorax citrulli* on cucurbit seeds (DIP-ACIT). (DOI: 10.5281/zenodo.3630126).
 19. Vurukonda, S.S.K.P.; **Giovanardi D.**, Stefani, E. 2021. Growth Promotion and Biocontrol Activity of Endophytic *Streptomyces* spp. In: Letizia Giampietro, editor. *Prime Archives in Molecular Sciences: 2nd Edition*. Hyderabad, India: Vide Leaf. 2021. Book chapter: pp. 1-55. (ISBN: 978-81-953047-1-4).
 20. Vurukonda, S.S.K.P., **Giovanardi D.**, Stefani, E. 2022. Search, evaluation and selection of a bacterial endophyte able to colonise tomato plants, enhance their growth and control *Xanthomonas vesicatoria*, the causal agent of the spot disease. In: *Canadian Journal of Plant Pathology*, 2022. *Canadian Journal of Plant Pathology*, 44:2, 219-234. (DOI: 10.1080/07060661.2021.1980822) [H-index: 58; IF: 2.074; Q2].
 21. Ben Othmen S., Conti Nibali G., Cassanelli S., **Giovanardi D.***, Stefani E. 2023. A viability-qPCR protocol to assess the efficacy of a heat treatment to sanitize carrot seeds from *Candidatus Liberibacter solanacearum*. In: *European Journal of Plant Pathology*. (DOI: 10.1007/s10658-023-02646-7). [H-index: 93; IF: 2.022; Q1].
 22. Xhemali, B., Cortiello, M., Gjinovci, G., Bresilla, B., Stefani, E. & **Giovanardi, D.*** 2023. First report of *Colletotrichum scovillei* causing anthracnose of pepper in Kosovo. In: *New Disease Reports*, 47, e12189. (DOI: 10.1002/ndr2.12189). [H-index: 7; IF: 0.970; Q3]
 23. Cortiello M., Prodi A., Stefani E., **Giovanardi D.*** 2023. First report of *Stemphylium* leaf blight of onion (*Allium cepa*) caused by *Stemphylium*

- vesicarium* in Italy. In: Plant Disease. (DOI: 10.1094/PDIS-10-22-2398-PDN). [H-index: 121; IF: 4.160; Q1]
24. Dongmo Nanfack A., Musonerimana S., La China S., Nguefack J., **Giovanardi D.***, Stefani E. 2023. Exploiting the microbiome associated with normal and abnormal sprouting rice (*Oryza sativa* L.) seed phenotypes through a metabarcoding approach. In: Microbiological Research, 279, 127546 (DOI: 10.1016/j.micres.2023.127546). [H-index: 107; IF: 6.700; Q1].
 25. Xhemali, B.; **Giovanardi, D.***; Biondi, E.; Stefani, E*. 2024. Tomato and Pepper Seeds as Pathways for the Dissemination of Phytopathogenic Bacteria: A Constant Challenge for the Seed Industry and the Sustainability of Crop Production. In: Sustainability, 16, 1808. (DOI: 10.3390/su16051808). [H-index: 136; IF: 3.900; Q2].
 26. Cortiello, M., Milc, J., Sanfelici, A., Martini, S., Tagliazucchi, D., Caccialupi, G., Hassine, M. B., **Giovanardi, D.**, Francia, E., Caradonia, F. 2024. Evaluation of three potato varieties and two plant biostimulants in the pedoclimatic conditions of Northern Apennines in Italy. In: International Journal of Plant Production. (*accepted*).
 27. Xhemali, B., Bellameche, F., Gjinovci, G., Modica, F., Biondi, E., Stefani, E., **Giovanardi, D.** 2024. First report of *Xanthomonas euvesicatoria* pv. *euvesicatoria* causing bacterial leaf spot of pepper in Kosovo. In: Journal of Plant Pathology. (*accepted*).
 28. Cassanelli S., Bellameche F., Caradonia F., Cortiello M., Perez S., **Giovanardi D.** (2024). Foliar application of *Streptomyces* sp. DLS2013 induces transcriptional changes on tomato plants and confers resistance to *Pseudomonas syringae* pv. *tomato*. In: Journal of Plant Disease and Protection (*submitted*).

OTHER PUBLICATIONS

1. Verzelloni E., Catalano V., **Giovanardi D.**, Dondini L., Stefani E. 2016. Pero: consorzi microbici contro il colpo di fuoco (Use of microbial consortium against fire blight disease in pear). In: L'Informatore agrario, 28/2016: 2-5.

TRAINING COURSES

2. Date: 2 - 6 March 2008
Place: Central Science Laboratory, York (UK).
Title: EU Cost Action 873: Training Course for Young Phytobacteriologists.
3. Date: 6 – 9 April 2009
Place: University of Murcia, (Spagna).
Title: Walnut propagation training course.
4. Date: 21-25 September 2009
Place: Angers, (FR).
Title/subject: *Xanthomonas* diagnosis and biodiversity Training Workshop.
5. Date: 6-9 April 2010
Place: Belgrade, (SRB).
Title: *Pseudomonas* training course.
6. Date: 23 – 26 May 2011
Place: ICGEB Trieste, (IT).
Title: Quorum Sensing in Plant associated Bacteria.
7. Date: 4 - 7 December 2012
Place: Ljubljana, (SLO).

Title: qPCR Experience Workshop: Real-Time PCR in Plant pathology: Diagnostic and Research.

8. Date: 31 March - 5 April 2014

Place: Naktuinbouw (Netherlands Inspection Service for Horticulture), Leiden (NL).

Title: Sweatbox assay and Generic platform- improved detection/diagnostics (DNA extraction by King Fish and Taqman PCR's) on cucurbit seed.

9. Date: 15 December 2020

Place: Seed World Innovation webinar series

Title: Yes, to Seed Treatment, but... What about Microplastics?

10. Date: 27 February 2020

Place: Seed World Innovation webinar series

Title: INNOVATION IN PLANT BREEDING: Advanced machine learning for predictive plant breeding

11. Date: 12 May 2021

Place: Plantum webinar Seed Technology

Title: Effect of climatic factors on flowering durations and dynamics in fennel seed productions and HSFA9, a seed specific transcription factor linking thermotolerance and seed dormancy.

12. Date: 24 June 2021

Place: UgenTec-Bejo Webinar

Title: High-throughput Genotyping & Seed Health

13. Date: 01 February 2022

Place: Reggio Emilia (Italy)

Title: SmartStart for the QuantStudio 3 Real-Time PCR System (Thermo Fisher Scientific)

14. Date: 14-15 September 2022

Place: Fondazione San Carlo, Modena (Italy)

Title: Corso per neoassunte/i UNIMORE sulla didattica universitaria - settembre 2022: tutto quello che avreste voluto sapere sulla didattica universitaria e non avete mai osato chiedere.

15. Date: 19-26-27 September 2022

Place: Centro Servizi Policlinico - via del Pozzo, 71 – Modena (Italy)

Title: Workshop in presenza: Corso sul Team Based Learning (TBL) (UNIMORE).

16. Date: 17 October 2022

Place: Dipartimento di Scienze Chimiche e Geologiche - Via Campi 103, Modena. (Italy)

Title: Workshop in presenza: "Introduzione all'Inclusione (ICF e Universal Design for Learning)". (UNIMORE).

17. Date: 2-3-4-7 November 2022

Place: Padiglione Buccola V.le Amendola n. 2, Reggio Emilia (Italy) Title: Corso di formazione per ADDETTI ANTINCENDIO ED EVACUAZIONE (art. 37 D.lgs 81/08) - Reggio Emilia -". (UNIMORE).

18. Date: 20 December 2022

Place: Centro Servizi Policlinico - via del Pozzo, 71 – Modena (Italy) Title: Workshop in presenza: "Come rendere una lezione più partecipata". (UNIMORE).

19. Date: 6 June 2024 (5 ore)

Place: Padiglione De Sanctis, via Giovanni Amendola 2, Reggio Emilia (Italy) Title " Corso BLSD - Basic Life Support & Defibrillation - Reggio Emilia -". (UNIMORE).

SYMPOSIA AS A SPEAKER.

1. "Population features of *Xanthomonas arboricola* pv. *juglandis* and epidemiology of walnut blight in Romagna (Italy)." Presented at the 13th Congress of the Mediterranean Phytopathological Union (MPU) in Rome, Italy, June 2010.
2. "Seed transmission of *Xanthomonas vesicatoria* and *Clavibacter michiganensis* subsp. *michiganensis* in tomato and *Xanthomonas euvesicatoria* in pepper and implementation of seed disinfection method". Presented at the 7th Congress on Plant Protection in Zlatibor, Serbia, November 2014.
3. "Fire blight resistance induced by a microbial consortium: search for an evidence through a transcriptomic approach". Presented at the 3rd International symposium on biological control of Plant Bacterial diseases in Belgrade, Serbia, April 2016.
4. "CIPOLLA: Qualità & Tecnologie innovative nella filiera delle sementi". Presented at the 2nd Symposium Onion Day, Cora Seeds s.r.l. in Cesenatico, Italy, November 2021.
5. "Sanitation of carrot seeds infected by *Ca. Liberibacter solanacearum* through a thermal treatment and assessment of its efficacy by a viability qPCR protocol". Presented at the 14th International Conference on Plant Pathogenic Bacteria (ICPPB) in Assisi, Italy, July 2022.
6. "Agri-food systems: economic, environmental and social sustainability". Presented at the Scientific Mission 2022 - SAN FRANCISCO (USA) of the Emilia Romagna Region Delegation (Councillor for Wildlife, Food and Agriculture of Emilia-Romagna; UniMORE, UniPR, CNR and ART-ER) at Cal State's ARI, UC Davis, UC Berkeley and Stanford University (USA), November 9th - 11th 2022.
7. "Quality of vegetable seeds in the global market: a phytosanitary challenge for supporting sustainable agriculture and food security". Presented as Invited Speaker at IBBR Webinar (<https://meet.goto.com/879244845>), organised by National Research Council of Italy - Institute of Biosciences and BioResources (IBBR-CNR), November 25th, 2022.
8. "The seed-associated microbiome: relationship with seedling development in two rainfed rice cultivars from Cameroon ". Presented at XXVIII Congress SIPaV (Naples, Italy), September 19th, 2023.
9. "Malattie emergenti e riemergenti della frutta a guscio, con particolare riferimento a noce e nocciolo ". Presented as Invited Speaker at GIORNATE SCIENTIFICHE SOI PER IL COMPARTO DELLA FRUTTA A GUSCIO (Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy), October 26th, 2023.
10. "Enhancing vegetable crops health and production: a phytosanitary challenge faced by a sustainable seed quality management." Presented as Invited Speaker at 30th Annual Congress of the Chilean Society of Phytopathology (SOCHIFIT 2023; <https://www.uoh.cl/30congresosochifit/>), December 13th, 2023.

SYMPOSIA WITH POSTER PRESENTATION.

1. Dallai D., N. Parkinson, **D. Giovanardi** and E. Stefani, 2009. Population studies of *Xanthomonas arboricola* pv. *pruni* and new strategy of control in peach orchards. J. Plant Pathol. **91** (4 Supplement) S4.57. ISSN: 1125-4653. DOI: 10.4454/jpp.v91i4sup.582
2. **Giovanardi D.**, D. Dallai, C. Cozzolino and E. Stefani, 2009. Recent advances on the epidemiology and control of bacterial blight of walnut,

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23. Xhemali B., Cortiello M., Modica F., Bellameche F., Stefani E., **Giovanardi D.** 2023. *Colletotrichum scovillei*: a new record of pepper anthracnose in Europe and evaluation of *Actinomyces* as potential biocontrol microorganisms. In: Proceedings of the 30th Annual Congress of the Chilean Society of Phytopathology (SOCHIFIT 2023; <https://www.uoh.cl/30congresosochifit/>).

GRANTS

1. Commission of the European Communities, Directorate General Agriculture. EU-COST Action 873: Bacterial diseases of Stone Fruits and Nuts. Role: Early career scientist.
2. Commission of the European Communities, Directorate General Agriculture. 7th Framework Programme, Grant Agreement N. 226482: Development of a new diagnostic tool using DNA barcoding to identify quarantine organisms in support of plant health (QBOL). Role: Principal scientist.
3. Commission of the European Communities, Directorate General Agriculture. EUPHRESKO, EUPH03. Interlaboratory test on detection of *Clavibacter michiganensis* ssp. *sepedonicus* and *Ralstonia solanacearum* in potato tubers. Role: Principal investigator and responsible for the organisation of lab activity and methods validation.
4. Ministry of Agricultural Policies, Rome, Italy. ARNADIA Programme: Harmonisation of diagnosis and risk assessment of quarantine and quality pests harmful to plants and plant products. Role: Principal scientist and responsible for the organisation of lab activity and methods validation.
5. Commission of the European Communities, DG Enlargement, TAIEX project: Agriculture and food safety (AGR), Activity: Laboratory testing of brown and ring rot of potato. Role: Trainer and tutor of Jordan phytosanitary Inspectors.
6. Ministry of Agricultural Policies, General Directorate for Cooperation and Development, Rome, Italy. Achieving European standards for quality conformity of Potato production in Lebanon (Acronym: EULEBPOT); Aid nr. 9491. Role: Trainer and tutor of Lebanese phytosanitary Inspectors.
7. Emilia-Romagna Region, Italy – Centro Ricerche Produzioni Vegetali (CRPV), Italy. PSR 2007-2013 Regione Emilia Romagna. Bacterial canker of Actinidia, *Pseudomonas syringae* pv. *actinidiae*: development of control strategies. Role: Research scientist.
8. Commission of the European Communities, Directorate General Agriculture, EUPHRESKO, PSA-DID. *Pseudomonas syringae* pv. *actinidiae* (PSA): diagnosis, detection, identification and study of epidemiological aspects. Role: Research scientist and supervisor of research unit.
9. Commission of the European Communities, Directorate General Agriculture. 7th Framework Programme, Grant Agreement N. 311875: Development of seed testing methods for pests and pathogens of plant health concern (Acronym: TESTA). Role: Research scientist and supervisor of research unit.
10. Valle d'Aosta Region – CCS Aosta, Quart, Italy. Transcriptomic approach to study the plant response to a microbial-based fertilizer, as an alternative to pesticides. Role: Research scientist.
11. Commission of the European Communities, Directorate General Agriculture, EUPHRESKO, DIP-ACIT. Consensus detection and identification protocol for *Acidovorax citrulli* on cucurbit seeds (DIP-ACIT). Role: Research scientist and supervisor of research unit.
12. Emilia Romagna Region, Italy - Development and implementation of IPM strategies to control the bacterial canker of walnut (*Xanthomonas*

- arboricola* pv. *juglandis*) – Role: Research scientist and supervisor of research unit
13. Commission of the European Communities, Directorate General Agriculture. EU COST Action FA1103: “Endophytes in Biotechnology and Agriculture”. Role: Research scientist.
 14. Valle d’Aosta Region – CCS Aosta, Quart, Italy “Symbiotic agriculture: increasing knowledge on the mode of action of beneficial microorganisms”. Role: Research scientist and supervisor of research unit.
 15. Commission of the European Communities, Directorate General Agriculture, EUPHRESCO, 2017-2022 Strategic Research Agenda Objective 2017-R-5.2: Inventory and validation of quality control procedures for the extraction of nucleic acids for real-time PCR used for the diagnosis of pests. Role: Research scientist and supervisor of research unit.
 16. European Commission, *LIFE-2021-SAP-ENV-ENVIRONMENT project. Grant Agreement Nr. 101074218*: Innovative Zeo-Biopesticides, based on useful microorganisms, for eliminating the use of copper-based pesticides (Acronym: LIFE MICROFIGHTER). Role: Research scientist and supervisor of research unit.
 17. *FAR_DIP2022, progetti dipartimentali UNIMORE: STREPT - DEFENCE*: Studio dell’induzione di resistenza biotica in pomodoro (*Solanum lycopersicum* L.) elicitata dall’interazione con l’agente di biocontrollo *Streptomyces* spp. Role: Principal scientist and Project Manager.
 18. RINOVA SOC. COOP. – Forlì-Cesena, Italy: “Indagine preliminare su microbioti associati alle coltivazioni di pero in Emilia Romagna, funzionale a poter sviluppare verifiche specifiche successive inerenti alla loro possibile azione verso patogeni chiave del pero”. (21/04/2023 – 31/12/2023). Role: Principal scientist and Project Manager.
 19. European Commission, UNIGreen - The Green European University - ERASMUS-EDU-2022-EUR-UNIV - GRANT AGREEMENT No. 101089386 (<https://unigreen-alliance.eu/>). Role: Researcher.
 20. RINOVA SOC. COOP. Forlì-Cesena, Italy: - Progetto di ricerca “Approcci innovativi indirizzati a contrastare la Maculatura bruna del PERO” (24/03/2023 – 31/12/2025). Role: Project Manager.
 21. Ministry of Education, University and Research (MIUR), Rome, Italy. PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022, code 2022M3HR45. “IoHOP: Quality valorization of the Italian hop based on a multi-approach strategy.” Role: Research scientist.
 22. Commission of the European Communities, Directorate General Agriculture. EU COST CA22158 “Exploiting Plant-Microbiomes Networks and Synthetic Communities to improve Crops Fitness (MiCropBiomes) (<https://www.cost.eu/actions/CA22158/>). Ruolo: Research scientist.
 23. Progetto FutureData4 EU, Thematic Area 6 - Food, Bioeconomy, Natural resources, Agriculture and Environment, finanziato da The European Marie Curie (MSCA) COFUND e coordinato da UNIBO, con il ruolo di Co-Tutor per programmi di dottorato di ricerca nell’area “Soil fertility & sustainable agriculture” e avente come argomento “Innovative organic farming through the management and conservation of soil

microbiota”

(file:///D:/DATI/Downloads/6.%20FD4EU_Unlocking%20the%20future%20of%20Big%20Data_Food-2.pdf)

SUPERVISING AND MENTORING ACTIVITIES

BSc STUDENTS:

Ferrari Michele; Title: “Studies on endophyte in *Actinidia chinensis* and preliminary studies on their possible use as antagonists against *Pseudomonas syringae* pv. *actinidiae*”; 2010.

Cantarelli Matteo; Title:” La gestione del colpo di fuoco batterico delle pomacee (*Erwinia amylovora*) nella frutticoltura reggiana”; 2011.

MSc STUDENTS:

Facchini Carlo: Title:” Studies on epiphytic phase of *Pseudomonas syringae* pv. *actinidiae* aimed to isolate and characterize epiphytic bacteria as potential agents for the biocontrol of the bacterial canker of kiwifruit”; 2012.

PHD STUDENTS:

Rodanthi Tontou; Title: “Epidemiology of the bacterial canker of Kiwifruit and control of its causal organism, *Pseudomonas syringae* pv. *actinidiae*”; 2013 - 2015.

Silvia Volpato; Title:” Development of innovative microbial candidates to be used in crop management as biocontrol agents and plant growth promoters “; 2016 – 2019.

TUTORING MSc STUDENTS:

Piparo Alessandro: Title:” Sviluppo e implementazione di screening test per l’identificazione di varietà di cipolla tolleranti a *Stemphylium vesicarium*”; 2023.

Giovannella Lorenzo: Title: “Valutazioni di un biofungicida sperimentale a base di *Bacillus subtilis* per il controllo della muffa grigia ed i suoi effetti sulla qualità dell’uva”; 2023.

Co-TUTORING PHD STUDENTS:

Michele Ferrari; Title: “Molecular epidemiology and seed transmission assessment of *Xanthomonas vesicatoria* and *Clavibacter michiganensis* subsp. *michiganensis* in tomato and implementation of seed disinfection methods”; 2014 - 2016.

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Gianmarco Conti Nibali; Title: “Improvement of seed quality and control of seed transmitted pathogens”; 2018 - 2021.

Bekri Xhemali; Title: “Phytosanitary quality along the tomato and pepper production chain through an integrated management of bacterial diseases caused by Xanthomonads”; 2020 – 2023.

Marina Cortiello; Title: “Identification and development of possible source of resistance to *Stemphylium* leaf blight (SLB) in onion (*Allium cepa* L.)”; 2021 - 2024.

TUTORING PHD STUDENTS:

Alessandro Montorsi; Title: “Identification and characterization of the microbial communities from pear orchards and their role against fungal pathogens of

pear"; 2023 - 2026.

TUTORING IN THE FRAMEWORK OF THE ERASMUS AGREEMENTS:

Bekri Xhemali: "Phytopathological quality of seed: initial investigation in Kosovo and problems related to the detection of regulated *Xanthomonas* affecting pepper seeds, and first disinfection trials"; International Centre for advanced Mediterranean Agronomic studies (Acronym: CIHEAM); 2015.

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SEAL OF EXCELLENCE: Certificate delivered by the European Commission, as the institution managing Horizon 2020, the EU Framework Programme for Research and Innovation 2014-2020 The project proposal 798597, BIOCONT-IMPACT "Dynamics of microbial biocontrol agents and their environmental impact" Submitted under the Horizon 2020's Marie Skłodowska-Curie actions call H2020-MSCA-IF-2017 of 14 September 2017 by Davide GIOVANARDI and RIJKSUNIVERSITEIT GRONINGEN, Broerstraat 5 9712CP, GRONINGEN, Netherlands. The following evaluation by an international panel of independent experts WAS SCORED AS A HIGH-QUALITY PROJECT PROPOSAL IN A HIGHLY COMPETITIVE EVALUATION PROCESS* This proposal is recommended for funding by other sources since Horizon 2020 resources available for this specific Call were already allocated following a competitive ranking. * This means passing, with a score of 85% or more, all stringent Horizon 2020 assessment thresholds for the 3 award criteria (excellence, impact, quality and efficiency of implementation) required to receive funding from Horizon 2020.

PATENTS:

Conti Nibali Gianmarco, Stefani Emilio, Giovanardi Davide (2022). "Microorganismi per la lotta biologica alle malattie delle piante". N° 102022000012914, UNIVERSITY of MODENA and REGGIO EMILIA and CORA SEEDS s.r.l. (National and International patent deposit).

Reggio Emilia, July 18th, 2024

Davide Giovanardi

