

## CURRICULUM VITAE

**Jessica Girardi**

### DETAILS

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Date of birth: 30 January 1991

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Nationality: Italian

Residency: Latvia

### EDUCATION

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*Oct 2018 - Feb 2020*

Master degree Agri-food Production and Agroecosystem Management at the University of Pisa  
Thesis title: "Evaluation of different species of cover crops as a sustainable strategy for weed management and soil fertility preservation in high quality coffee plantations (*Coffea arabica* L.) in Costa Rica"

Final grade 110 / 110, Cum Laude

*Oct 2011 – May 2014*

Bachelor degree Aromatic and Medicinal Plants Science at the University of Pisa  
Thesis title: "Extraction and use of *Humulus lupulus* L. essential oil as insect pest repellent in durum wheat pasta storage"

Final grade 102 / 110

### EMPLOYMENT HISTORY

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*May 2024 – ongoing*

Research assistant at the Baltic Studies Centre, Brīvības iela 40-48, Riga, LV-1050 (Latvia)

*Aug 2022 – Dec 2023*

Head of the Applied Entomology Laboratory and Microbiology laboratory, responsible of indoor plant growing in walk-in Climatic Chamber at the Institute for Environmental Solutions, „Lidlauks”, Priekuļu pagasts, Cēsu novads, LV-4126 (Latvia)

*Aug 2020 – Aug 2022*

Researcher position for the ERAF project Botanical Pesticides at the Institute for Environmental Solutions, „Lidlauks”, Priekuļu pagasts, Cēsu novads, LV-4126 (Latvia); Activities leader of the WP2 - Insect repellent testing and allelopathic properties evaluation, Repellent activity testing and evaluation on insects.

*Aug 2019 - Dec 2019*

Master thesis project at the Estación Experimental Agrícola Fabio Baudrit Moreno, Alajuela (Costa Rica)

*Mar 2019 – Jul 2019*

Traineeship Erasmus + at Agropole ISARA-Lyon, Lyon (France)

*Jul 2018 – Aug 2018*

Environmental guide at the Botanical and forest garden of Abetone, Abetone (Italy)

*Mar 2017 – Jul 2018*

Post degree position at the Entomology of the Department of Agricultural, Food and Agro-Environmental Sciences - University of Pisa (Italy)

#### EXTRA-CURRICULAR ACTIVITIES

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*Gen 2024*

- Participation at the Conference PostHarvestAncona 2024, Innovations in food and waste loss management, within the FoodWaStop COST Action Project, in role of leader of Working Group 4 - Valorisation of agrofood waste and a circular bio-economy, Department of Agri-Food and Environmental Sciences, Polytechnic University of Marche, Italy

*December 2023*

- Speaker at the ECODIF round table (by remote)  
Latina, Italia

*November 2023*

- Speaker at the Biocontrol Conference  
Bari, Italia

*October 2023*

- Attendee at the XII European Congress of Entomology  
Heraklion, Creta

*September 2023*

- Attendee at the 1st Management Committee meeting - COST Action "Sustainable Network for agrofood loss and waste prevention, management, quantification and valorisation" (FoodWaStop) CA22134.  
Elected as Leader for the WG4: *Valorisation of agrofood waste and a circular bio-economy*  
Brussels, Belgium

*September 2023*

- Attendee at the COST Academy – Leadership workshop  
Brussels, Belgium

*November 2022*

- Attendee at the Biocontrol Conference  
Bari, Italy

*September 2022*

- Attendee at the International Medicinal Mushrooms Conference  
Belgrade, Serbia

*March - June 2021*

- Post-graduate course "Mycotherapy: pharmaco-toxicological aspects of medicinal fungi",  
University of Padua, Italy

*June - December 2017*

- WWOOF volunteer projects  
1- Organic farm Stefania Severi, Torre Maina (MO), Italy  
2- Social farm CSA "Il Biricoccolo", Anzola dell'Emilia (BO), Italy  
3- Organic farm "Il Granaro", Ciano di Zocca (MO), Italy  
4- Organic farm Campo Alto, Trequanda (SI), Italy

*June 2016*

- Course at the Italian Federation of Medicinal Plants (FIPPO, for the Italian acronym)  
"Production of medicinal and aromatic plants in organic farming system" - Verona (Italy)

- Course at the Italian Federation of Medicinal Plants (FIPPO, for the Italian acronym) “Medicinal plants extract techniques: from post-harvest to the final product” - Verona (Italy)

## SCIENTIFIC PAPERS

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- Girardi, J.; Berke-Łubinska, K.; Mežaka, I.; Nakurte, I.; Skudriņš G. & Pastare, L. (2023). In Vivo Bioassay of the Repellent Activity of Caraway Essential Oil against Green Peach Aphid. *Insects*, 14(11): 876 [<https://doi.org/10.3390/insects14110876>].
- Iovinella, I., Pierattini, E. C., Bedini, S., Dani, F. R., Guarino, S., Lucchi, A., Giannotti, P., Cuzzupoli, G., Girardi, J. & Conti, B. (2020). Semiochemicals for intraspecific communication of the fig weevil *Acleos sp. cf. foveatus* (Coleoptera: Curculionidae): a first survey. *Scientific Reports*, 10 (1092) [<https://doi.org/10.1038/s41598-020-58004-8>];
- Pierattini, E. C., Bedini, S., Venturi, F., Ascrizzi, R., Flamini, G., Bocchino, R., Girardi, J., Giannotti, P., Ferroni, G. & Conti, B. (2019). Sensory quality of essential oils and their synergistic effect with diatomaceous earth, for the control of stored grain insects. *Insects*, 10(4): 114 [<https://www.ncbi.nlm.nih.gov/pubmed/31010046>];
- Bedini, S., Flamini, G., Ascrizzi, R., Venturi, F., Ferroni, G., Bader, A., Girardi, J. & Conti, B. (2018). Essential oils sensory quality and their bioactivity against the mosquito *Aedes albopictus*, *Scientific Reports*, 8 (17857) [<https://www.nature.com/articles/s41598-018-36158-w>];
- “*Juniperus macrocarpa*: a Mediterranean resource against stored food insect pests”, International conference IOBC “Integrated Protection of Stored Products” - Ljubljana, Slovenia, July 2017;
- “Aromatic plant essential oils for the control of blowflies in the production of dry-cured meat”, International conference IOBC “Integrated Protection of Stored Products” - Ljubljana, Slovenia, July 2017;
- “Selective activity of *Cinnamomum verum* essential oil against the rice weevils *Sitophilus oryzae* and its parasitoid *Lariophagus distinguendus* in post-harvest pest management”, International conference IOBC “Integrated Protection of Stored Products” - Ljubljana, Slovenia, July 2017;
- Cosci, F., Flamini, G., Ascrizzi, R., Bocchino, R., Girardi, J., Conti, B. & Bedini, S. (2017). Bioactivity of *Cinnamomum verum* essential oil against *Varroa destructor*, parasitic mite of *Apis mellifera*. *Acta of the XV Congress of the Italian Society of Phytochemistry jointly with 1st International Congress on Edible, Medicinal and Aromatic Plants (ICEMAP)* [<https://arpi.unipi.it/handle/11568/868511?mode=full.411#.Xrpn0agzBIU>];
- Bedini, S., Flamini, G., Girardi, J., Cosci, F. & Conti, B. (2015). Not just for beer: evaluation of spent hops (*Humulus lupulus* L.) as a source of eco-friendly repellents for insect pests of stored foods. *Journal of Pest Science*, 88: 583–592. [<https://link.springer.com/article/10.1007/s10340-015-0647-1?shared-article-renderer>]

## DOCUMENTS MANAGEMENT, COMMUNICATION AND TEAM WORKSPACE PLATFORMS

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Fluent in Excel and Microsoft Teams, beginners in Confluence.

## LANGUAGES

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- ITALIAN: native speaker
- ENGLISH: C1
- SPANISH: B1
- FRENCH: B1
- DEUTSCH: A2
- LATVIAN: A1

Jessica Giannotti