

# *Curriculum Vitae*

April 5, 2024

*Prof. Sergio Angeli*

## **Affiliation**

Faculty of Agricultural, Environmental  
and Food Sciences  
Free University of Bozen-Bolzano  
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## **Current position**

Associate Professor of General and Applied Entomology and Apiculture at the Faculty of Agricultural, Environmental and Food Sciences, Free University of Bozen-Bolzano (Italy), since October 2021.

Member of the Competence Centre for Plant Health, Free University of Bozen-Bolzano (Italy), since June 2023.

Departmental and Institutional Coordinator for the Erasmus Programs for the Free University of Bozen-Bolzano, Italy with the promotion of 5 bilateral agreements: University of Göttingen (Germany), University of Cape Coast (Ghana), University of Chiang Mai (Thailand), Swedish University of Agricultural Sciences (Sweden) and University of Natural Resources and Life Sciences of Vienna (Austria).

Member of the Scientific Council of the PhD School "Mountain Environment and Agriculture", Faculty of Agricultural, Environmental and Food Sciences, Free University of Bozen-Bolzano (Italy) since 2009.

Member of the Study Council of the Master Program "International Horticultural Science", Joint Master of the Free University of Bozen-Bolzano and the University of Bologna (Italy) since 2009.

Member of the Municipal Council of Croviana (TN, Italy). Elected for the period 01/06/2010 - 01/06/2015, confirmed for the period 01/06/2015 - 20/10/2020 and for the period 20/10/2020 - 20/10/2025.

## **Education and Academic Career**

- **Assistant Professor** Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy.  
2009 - 2021 (12 years)
- **Assistant Professor** Department of Forest Zoology and Forest Conservation, Göttingen University, Germany.  
2004 - 2009 (5 years)
- **Assistant Professor** Institute of General and Systematic Zoology, Giessen University, Germany.  
2002 - 2004 (2 years)
- **Post-Doc** Assegnista di Ricerca, University Sant'Anna School of Advanced Studies of Pisa, Italy.  
2001 – 2002 (1 year)
- **Post-Doc** CoCoCo, EU Project "SPINDIGO", University of Pisa, Italy.  
2000 – 2001 (1 year)
- **PhD** Title: "ChemoSensory Proteins (CSP): a new class of proteins involved in insects chemoreception", Sant'Anna School of Advanced Studies of Pisa, Italy. 5 ISI papers included. Final mark: 100/100 *cum laude* (maximal score).  
1997 – 2000 (3 years)

- **Bachelor + Master** 1991 – 1996 (5 years) Faculty of Agricultural Sciences, Pisa University, Italy. Final mark: 110/110 *cum laude* (maximal score).

## Awards and academic honours

- Elected as academic member, 2023 Member of the Italian National Academy of Entomology (2023- ).
- Scientific qualification as full professor, 2017 National Scientific qualification as full professor in the Italian higher education system in the competition area 07/D1 - Plant Pathology and Entomology, scientific disciplinary sector AGR/11 - General and Applied Entomology.
- Scientific qualification as associate professor, 2013 National Scientific qualification as associate professor in the Italian higher education system in the competition area 07/D1 - Plant Pathology and Entomology, scientific disciplinary sector AGR/11 - General and Applied Entomology.
- PhD fellowship Winner of national call for a 3-years PhD fellowship at the University Sant'Anna School of Advanced Studies of Pisa (Italy) (1997-2000).
- Bachelor + Master fellowship Winner of national call for a 5-years fellowship as 'internal college student' at the University Sant'Anna School of Advanced Studies of Pisa (Italy) (1991-1996).

## Professional qualification

- **Agronomist** June 1998 Professional qualification of agronomist (Italian National Board).

## Present teaching (since 2009)

- "**Agricultural and Forest Entomology**", Faculty of Agricultural, Environmental and Food Sciences, Free University of Bolzano. Compulsory course for the Bachelor students of the Agricultural and Agro-Environmental Sciences (L-25), 6 ECTS.
- "**Apiculture**", Faculty of Agricultural, Environmental and Food Sciences, Free University of Bolzano. Elective course for Bachelor students of the Agricultural and Agro-Environmental Sciences (L-25), 3 ECTS.
- "**Applied Entomology in Horticultural Crops**", Faculty of Agricultural, Environmental and Food Sciences, Free University of Bolzano. Compulsory course for Master students of the International Horticultural Science (LM-69), 3 ECTS.
- "**Novel Food**", Faculty of Agricultural, Environmental and Food Sciences, Free University of Bolzano. Compulsory course for Master students of the Food Sciences for Innovation and Authenticity (LM-70), 3 ECTS.

## Previous teaching experiences (University of Göttingen, Germany, 2004-2009)

"**Tropical Forest Protection and Agroforestry**", elective course for Master students of the International Tropical Forestry; "**Selected chapters of sensory ecology**", elective course for Master students; "**Forest Zoology and Forest Protection I**", compulsory course for Bachelor students; "**Forest Zoology and Forest Protection II**", compulsory course for Bachelor students; "**Development of a forest region**", compulsory course for Master students.

## Guest lecturer and researcher

- November 2022 Invited professor at the **Faculty of Agricultural Sciences, University of Göttingen, Germany**.
- April 2018 Invited professor at the **Swedish University of Agricultural Sciences, Sweden**.
- November-December 2017, 2018, 2020, 2021, 2022, 2023 Guest professor for the teaching of the module "Insect Chemical Ecology" within the European Master in Plant Health of the **University of Padova, Italy**.
- December 2012 Guest professor with a fellowship offered by the **Zhejiang Agricultural and Forestry University, China** (10 days).
- October 2008 Guest professor with **DAAD fellowship** to visit the agricultural and cultural institutions of **Iran**, under the German/Iranian academic visiting program (15 days).
- May 2008 Visiting professor with a fellowship offered by the ASEM-DUO Program, **Chiang Mai University, Thailand** (1 month).
- May 1999 Visiting assistant in research at **Yale University**, Department of Molecular, Cellular, and Developmental Biology, **USA** (1 year).

## Supervised theses and postdocs

- **Bachelor theses** >40
- **Master theses** >20
- **PhD theses** 14
- **Postdocs** 9

## Editorial board of international and national journals

Frontiers in Physiology, ISSN 1664-042X; Frontiers in Ecology and Evolution, ISSN 2296-701X; Frontiers in Insect Science, ISSN 2673-8600; Insects, ISSN 2075-4450; Bulletin of Insectology, ISSN 1721-8861; Food and Applied Bioscience Journal, ISSN 2286-8615; Scienze e Ricerche, ISSN 2283-5873.

## Referee for international journals

PNAS - Proceedings of the National Academy of Sciences, PLOS ONE, Journal of Insect Physiology, Journal of Pest Science, Agricultural and Forest Entomology, Journal of Applied Entomology, Chemoecology, Journal of Economic Entomology, Pest Management Science, Bulletin of Insectology, Revista Colombiana de Entomología, Journal of Agriculture and Rural Development in the Tropics and Subtropics, Journal of Asia-Pacific Entomology, Applied Microbiology and Biotechnology, Applied Microbiology and Technology, Forest@ - Rivista di Selvicoltura ed Ecologia Forestale, African Journal of Biotechnology, Food and Applied Bioscience Journal, Food Research International, Chiang Mai Journal of Science, Trees - Structure and Function, Italus Hortus, Pesticide Biochemistry and Physiology, Frontiers in Physiology, Heliyon.

## Referee for national and international funding agencies

- 2020 - M.I.U.R. referee for the National Research Evaluation
- 2016 - VQR 2011-2014, National Agency for the Evaluation of Universities and Research Institutes
- 2015 - REPRISE, Reviewers for Italian Scientific Evaluation

- 2012 - VQR 2004-2010, National Agency for the Evaluation of Universities and Research Institutes
- 2011 - FIRB - Futuro e Ricerca 2010
- 2007 - DAAD - German Academic Exchange Service

## Memberships

Member of the Italian National Academy of Entomology. Fellow of the Italian Society of Entomology (**SIE**), German Society for General and Applied Entomology (**DGaaE**), European Chemoreception Research Organisation (**ECRO**), International Organisation for Biological Control (**IOBC**), International Society of Chemical Ecology (**ISCE**), Italian Society for Horticultural Science (**SOI**).

## Editorial board of conferences (since 2015)

- 2023 – Organising and hosting the Entomology Congress of DGaaE - German Society for General and Applied Entomology, Free University of Bozen-Bolzano (Italy), 20-24 February 2023.
- 2017 – “VI National Congress of Urban Beekeeping”, Free University of Bozen-Bolzano (Italy), 28 October 2017.
- 2017 – “Future IPM in Europe - The largest international event on “sustainable crop production and protection” PalaCongressi Riva del Garda (Italy), 15-20 October 2017.
- 2015 - Workshop: “IPM for a sustainable agriculture: future trends”, Free University of Bozen-Bolzano (Italy), 11 December 2015.

## Organization of relevant educational excursions

- International European Excursion, entitled “Interdisciplinary landscape ecology and sustainable agriculture”, in cooperation with the Chiang Mai University, Thailand.
- Excursion to “Bioplanet”, the Italian beneficial-insect rearing company for pest control, Cesena, Italy.
- Excursion to Bayer Crop Science AG, Monheim am Rhein, Germany.

## Invited speaker at conferences and seminars (selected list)

- 2-5 February 2016      Guest speaker for the III International Conference on Food and Applied Bioscience, Chiang Mai, Thailand.
- 30 March - 2 April 2014      Guest speaker for the International Horticulture Winter School at the Technical University of Munich, Germany.
- 24 February 2014      Guest speaker at the Institute of Ecology, University of Innsbruck, Austria.
- 23 December 2012      Guest speaker at the Institute of Forest Protection, Zhejiang Agricultural and Forestry University, China.
- 1-3 September 2010      Keynote plenary lecture at the 8<sup>th</sup> National Postharvest Technology Conference “Postharvest Technology: Innovation for the Future”, Chiang Mai University, Thailand.
- 4 May 2010      Guest speaker for the “PhD Day” of the elite University “Sant’Anna School of Advanced Studies” of Pisa, Italy.
- 27 October 2008      Guest speaker for the “Series of Lectures”, Free University of Bolzano, Italy.

- 22 April 2008 Guest speaker at the PhD School "Molecular sciences and agricultural, food and environmental biotechnology", University of Milano, Italy.
- 18 March 2008 Guest speaker at the Faculty of Agriculture, University of Padova, Italy.
- 5 February 2004 Guest speaker at the Faculty of Forest Science, University of Göttingen, Germany.

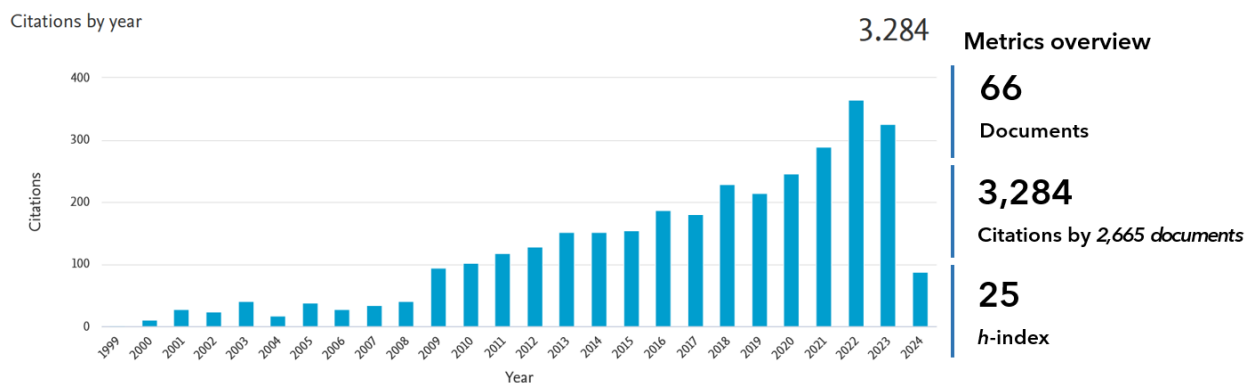
## Selection of attended congresses

- XXVII CNIE, Italian Congress of Entomology, 12-16 June 2023, Palermo, Italy.
- German Congress of Entomology 2023, 20-24 February 2023, Bolzano, Italy.
- XXVI CNIE, Italian Congress of Entomology, 7-11 June 2021, Torino, Italy.
- PheroFIP 19, the IOBC/WPRS Joint Working Groups: "Pheromones and other semiochemicals in IP" and "Integrated Protection of Fruit Crops", 20-25 January 2019, Lisbon, Portugal.
- XI ECE, European Congress of Entomology, 2-6 July 2018, Napoli, Italy
- XXV CNIE, Italian Congress of Entomology, 20-24 June 2016, Padova, Italy.
- XXIV CNIE, Italian Congress of Entomology, 9-18 June 2014, Orosei (NU), Italy.
- III World Symposium of Biological Beekeeping, 4-7 March 2014, Castel San Pietro Terme (BO), Italy.
- 43<sup>th</sup> International Apimondia Congress, 29 September - 4 October 2013, Kiev, Ukraine.
- Conference "Future IPM in Europe", 19-21 March 2013, Riva del Garda (TN), Italy.
- XXIV International Congress of Entomology, 19 – 25 August 2012, Daegu, South Korea.
- VIII National Postharvest Technology Conference "Postharvest Technology: Innovation for the Future", 1-3 September 2010, Chiang Mai, Thailand.

## Research keywords

Pest insects, biological control, IPM, chemical ecology, plant-insect interactions, tritrophic interactions, invasive insects, apiculture, apiculture, bee-Varroa interactions, toxicity and monitoring of insecticides, electroantennography, insect semiochemicals and chemoecology, volatile organic compounds of plants, gas chromatography-mass spectrometry (GC-MS), invasive insects, tropical entomology, biosensors, odor coding in insects, odorant binding proteins (OBPs), chemosensory proteins (CSPs).

## Citation metrics (data from Scopus, April, 2024)



## RESEARCHER ID

Web of Science ResearcherID: A-7720-2008  
Scopus Author ID: 57207872514

ORCID: 0000-0002-8463-7476  
Loop profile: 534631

## Original articles in peer-reviewed international journals and books

- P71) Castellan I., Duménil C., Rehermann G., Eisenstecken D., Bianchi F., Robatscher P., Spitaler U., Favaro R., Schmidt S., Becher P.G., Angeli S. (2024) Chemical and electrophysiological characterisation of headspace volatiles from yeasts attractive to *Drosophila suzukii*. **Journal of Chemical Ecology**, accepted.
- P70) Fennine C., Favaro R., Khomenko I., Biasioli F., Cappellin L., Angeli S. (2024) Diel rhythm of volatile emissions from males and females of the olive fruit fly *Bactrocera oleae* using PTR-ToF and GC-MS. **Journal of Insect Physiology**, 153: 104596. <https://doi.org/10.1016/j.jinsphys.2023.104596>
- P69) Favaro R., Garrido P. M., Bruno D., Braglia C., Alberoni D., Baffoni L., Tettamanti G., Porrini M. P., Di Gioia D., Angeli S. (2023) Combined effect of a neonicotinoid insecticide and a fungicide on honeybee gut epithelium and microbiota, adult survival, colony strength and foraging preferences. **Science of the Total Environment**, 905: 167277. <https://doi.org/10.1016/j.scitotenv.2023.167277>
- P68) Favaro R., Andriolo A., Sieder C., Angeli S. (2023) Potential of Scots pine for a push strategy against the European spruce bark beetle *Ips typographus*. **Forests**, 14 (9): 1727. <https://doi.org/10.3390/f14091727>
- P67) Altmann B.A., Geisler S., Morthorst F., Angeli S., Bortolini S., Gaulty M., Hummel J., Sünder A., Mörlein D., Traulsen I., Ammer S. (2023) Animal performance and meat quality of two slow-growing chicken genotypes fed insects reared on municipal organic waste. **Journal of Insects as Food and Feed**, 9: 1445–1459. <https://doi.org/10.1163/23524588-20230035>
- P66) Caselli A., Favaro R., Petacchi R., Valicenti M., Angeli S. (2023) The cuticular hydrocarbons of *Dasineura oleae* show differences between sex, adult age and mating status. **Journal of Chemical Ecology**, 49:369–383. DOI: <https://doi.org/10.1007/s10886-023-01428-z>
- P65) Boevé J.-L., Sonet G., Jacobson H.R., Angeli S. (2023) Cypress terpenes in sawfly larva of *Susana cupressi* (Hymenoptera: Symphyta: Tenthredinoidea). **The Science of Nature**, 110(2): 13. <https://doi.org/10.1007/s00114-023-01841-0>
- P64) Abraham J., Angeli S., Antwi J.B., Rodriguez-Saona C. (2022) Research advances on *Drosophila suzukii*. **Frontiers in Ecology and Evolution**, 10: 897222. <https://doi.org/10.3389/fevo.2022.897222>
- P63) Favaro R., Roved J., Haase A., Angeli S. (2022) Impact of chronic exposure to two neonicotinoids on honey bee antennal responses to flower volatiles and pheromonal compounds. **Frontiers in Insect Science**, 2: 821145. <https://doi.org/10.3389/finsc.2022.821145>
- P62) Caselli A., Favaro R., abrhoPetacchi R., Angeli S. (2022) Infestation of the gall midge *Dasineura oleae* provides first evidence of induced plant volatiles in olive leaves. **Bulletin of Entomological Research**, 112(4):481–493. <https://doi.org/10.1017/S0007485321001000>
- P61) Knight A.L., Preti M., Basoalto E., Mujica V.M., Favaro R., Angeli S. (2022) Combining female removal with mating disruption for management of *Cydia pomonella* in apple. **Entomologia Generalis**, 42(2): 309-321. <https://doi.org/10.1127/entomologia/2021/1316>
- P60) Spitaler U., C.S. Cossu, Delle Donne L., Bianchi F., Rehermann G., Eisenstecken D., Castellan I., Duménil C., Angeli S., Robatscher P., Becher P.G., Koschier E.H., Schmidt S. (2022) Field and greenhouse application of an attract-and-kill formulation based on the yeast *Hanseniaspora uvarum* and the insecticide spinosad to control *Drosophila suzukii* in grape. **Pest Management Science**, 78 (3): 1287-1295. <https://doi.org/10.1002/ps.6748>
- P59) Rehermann G., Spitaler U., Sahle K., Cossu C.S., Delle Donne L., Bianchi F., Eisenstecken D., Angeli S., Schmidt S., Becher P.G. (2022) Behavioral manipulation of *Drosophila suzukii* for pest control: high attraction to yeast enhances insecticide efficacy when applied on leaves. **Pest Management Science**, 78 (3): 896–904. <https://doi.org/10.1002/ps.6699>

- P58) Badra Z., Larsson Herrera S., Cappellin L., Biasioli F., Dekker T., Angeli S., Tasin M. (2021) Species-specific induction of plant volatiles by two aphid species in apple: real time measurement of plant emission and attraction of lacewings in the wind tunnel. **Journal of Chemical Ecology**, 47 (7): 653–663. <https://doi.org/10.1007/s10886-021-01288-5>
- P57) Preti M., Knight A.L., Mujica V.M., Basoalto E., Favaro R., Angeli S. (2021) Developing female removal for *Cydia pomonella* (Lepidoptera: Tortricidae) in organic pear in the USA and Italy. **Journal of Applied Entomology**, 145: 856–868. <https://doi.org/10.1111/jen.12918>
- P56) Preti M., Favaro R., Knight A.L., Angeli S. (2021) Remote monitoring of *Cydia pomonella* adults among an assemblage of nontargets in sex pheromone-kairomone-baited smart traps. **Pest Management Science**, 77(9): 4084-4090. <https://doi.org/10.1002/ps.6433>
- P55) Preti M., Knight A.L., Mujica V.M., Basoalto E., Larsson Herrera S., Tasin M., Angeli S. (2021) Development of multi-component non-sex pheromone blends to monitor both sexes of *Cydia pomonella* (Lepidoptera: Tortricidae). **Journal of Applied Entomology**, 145 (8): 822–830. <https://doi.org/10.1111/jen.12898>
- P54) Preti M., Moretti C., Scarton G., Giannotta G., Angeli S. (2021) Developing a smart trap prototype equipped with camera for tortricid pests remote monitoring. **Bulletin of Insectology**, 74 (1): 147-160.
- P53) Preti M., Knight A.L., Favaro R., E. Basoalto, Tasin M., Angeli S. (2021) Comparison of new kairomone-based lures for *Cydia pomonella* (Lepidoptera: Tortricidae) in Italy and USA. **Insects**, 12 (1): 72. <https://doi.org/10.3390/insects12010072>
- P52) Đurović G, Alawamleh A., Carlin S. Maddalena G., Guzzon R., Mazzoni V., Dalton D., Walton V.M., Suckling D.M., Butler R.C., Angeli S., De Cristofaro A., Anfora G. (2021) Liquid baits with *Oenococcus oeni* increase captures of *Drosophila suzukii*. **Insects**, 12 (1): 66. <https://doi.org/10.3390/insects12010066>
- P51) Alberoni D., Favaro R., Baffoni L., Angeli S., Di Gioia D. (2021) Neonicotinoids in the agroecosystem: in-field long-term assessment on honeybee colony strength and microbiome. **Science of the Total Environment**, 762: 144116. <https://doi.org/10.1016/j.scitotenv.2020.144116>
- P50) Preti M., Verheggen F., Angeli S. (2021) Insect pest monitoring with camera-equipped traps: strengths and limitations. **Journal of Pest Science**, review, 94: 203–217. <https://doi.org/10.1007/s10340-020-01309-4>
- P49) Bianchi F., Spitaler U., Castellan I., Cossu C.S., Brigadoi T., Duménil C., Angeli S., Robatscher P., Vogel R.F., Schmidt S., Eisenstecken D. (2020) Persistence of a yeast-based (*Hanseniaspora uvarum*) attract-and-kill formulation against *Drosophila suzukii* on grape leaves. **Insects**, 11(11): 810. <https://doi.org/10.3390/insects11110810>
- P48) Spitaler U., Bianchi F., Eisenstecken D., Castellan I., Angeli S., Dordevic N., Robatscher P., Vogel R.F., Koschier E.H., Schmidt S. (2020) Yeast species affects feeding and fitness of *Drosophila suzukii* adults. **Journal of Pest Science**, 93 :1295–1309. <https://doi.org/10.1007/s10340-020-01266-y>
- P47) Benedetti A. Angeli S. (2020) Social beekeeping in Italy. In: Elsen S., Angeli S., Bernhard A., Nicli S. (Eds.) Prospects of Social Agriculture with particular reference to its development in Italy, pp: 213-229. **Bolzano (BZ): BU,Press**, ISBN: 978-88-6046-174-2.
- P46) Preti M., Knight A.L., Angeli S. (2020) Improved monitoring of *Grapholita molesta* (Lepidoptera: Tortricidae) in stone fruit orchards with a pheromone-kairomone combination lure. **Insects**, 11(7): 412. <https://doi.org/10.3390/insects11070412>
- P45) Fernandez Ferrari C., Favaro R., Mair S., Zanotelli L., Malagnini V., Fontana P., Angeli S. (2020) Application of *Metarhizium anisopliae* as a potential biological control of *Varroa destructor* in Italy. **Journal of Apicultural Research**, 59(4): 528–538. <https://doi.org/10.1080/00218839.2020.1736814>
- P43) Favaro R., Bauer L.M., Rossi M., D'Ambrosio L., Bucher E., Angeli S. (2019) Botanical origin of pesticide residues in pollen loads collected by honeybees during and after apple bloom. **Frontiers in Physiology**, 10: 1069. <https://doi.org/10.3389/fphys.2019.01069>
- P42) Salvagnin U., Martens S., Anfora G., Angeli S., Tasin M., Malnoy M. (2019) Control of the grapevine moth *Lobesia botrana* through genetic engineering manipulation of host-plant volatiles. **Acta Horticulturae**, 1248: 201-206. <https://doi.org/10.17660/ActaHortic.2019.1248.29>

- P41) Alam M.R., Scampicchio M., Angeli S., Ferrentino G. (2019) Effect of hot melt extrusion on physical and functional properties of insect based extruded products. **Journal of Food Engineering**, 259: 44–51. <https://doi.org/10.1016/j.jfoodeng.2019.04.021>
- P40) Kitpot T., Sriwattana S., Angeli S., Thakeow P. (2019) Evaluation of quality parameters and shelf life of Thai pork scratching “Kaeb Moo”. **Journal of Food Quality**, 2019: 1-9. <https://doi.org/10.1155/2019/2421708>
- P39) Cellini A., Giacomuzzi V., Donati I., Farneti B., Rodriguez Estrada M.T., Savioli S., Angeli S., Spinelli F. (2019) Pathogen-induced changes in floral scent may increase honeybee-mediated dispersal of *Erwinia amylovora*. **ISME Journal**, 13: 847–859. <https://doi.org/10.1038/s41396-018-0319-2>
- P38) Salvagnin U., Malnoy M., Thöming G., Tasin M., Carlin S., Martens S., Vrhovsek U., Angeli S., Anfora G. (2018) Exploitation of genetically modified *Vitis vinifera* plants with altered kairomone emission ratio for the control of the European grapevine moth *Lobesia botrana*. **Integrated Protection in Viticulture IOBC-WPRS Bulletin**, 139: 22-27.
- P37) Cloonan K.R., Abraham J., Angeli S., Syed Z., Rodriguez-Saona C. (2018) Advances in the chemical ecology of the spotted wing Drosophila (*Drosophila suzukii*) and its applications. **Journal of Chemical Ecology**, 44 (10): 922–939. <https://doi.org/10.1007/s10886-018-1000-y>
- P36) Franzoni G., Cocetta G., Trivellini A., Angeli S., Ferrante A. (2018) Abscisic acid and carotenoids metabolism in tomato during postharvest. **Acta Horticulturae**, 1194: 381–387. <https://doi.org/10.17660/ActaHortic.2018.1194.55>
- P35) Reinbacher L., Fernández Ferrari M.C., Angeli S., Schausberger P. (2018) Effects of *Metarhizium anisopliae* on host choice of the bee-parasitic mite *Varroa destructor*. **Acarologia**, 58 (2): 287-295. <https://doi.org/10.24349/acarologia/20184241>
- P34) Salvagnin U., Malnoy M., Thöming G., Tasin M., Carlin S., Martens S., Vrhovsek U., Angeli S., Anfora G. (2017) Adjusting the scent ratio: using genetically modified *Vitis vinifera* plants to manipulate European grapevine moth behaviour. **Plant Biotechnology Journal**, 16: 264–271. <https://doi.org/10.1111/pbi.12767>
- P33) Giacomuzzi V., Cappellin L., Nones S., Khomenko I., A. Knight, Biasioli F., Angeli S. (2017) Diel rhythms in the volatile emission of apple and grape foliage. **Phytochemistry**, 138: 104-115. <https://doi.org/10.1016/j.phytochem.2017.03.001>
- P32) Giacomuzzi V., Mattheis J., Basoalto E., Angeli S., Knight A. L. (2017) Survey of conspecific herbivore-induced volatiles from apple as possible attractants for *Pandemis pyrusana* (Lepidoptera: Tortricidae). **Pest Management Science**, 73 (9): 1837–1845. <https://doi.org/10.1002/ps.4548>
- P31) Pattamayutanon P., Angeli S., Thakeow P., Abraham J., Disayathanoowat T., Chantawannakul P., (2017) Volatile organic compounds in Thai honeys produced from several floral sources by different bee species. **PLOS ONE**, 12(2): e0172099. <https://doi.org/10.1371/journal.pone.0172099>
- P30) Boevé J.-L., Trenczek T.E., Angeli S. (2017) Searching for particular traits of sawfly (Hymenoptera: Tenthredinidae) larvae that emit hemolymph as a defence against predators. **Journal of Insect Physiology**, 96: 93–97. <https://doi.org/10.1016/j.jinsphys.2016.10.012>
- P29) Giacomuzzi V., Cappellin L., Khomenko I., Biasioli F., Schuetz S., Tasin M., Knight A.L., Angeli S. (2016) Emission of volatile compounds from apple plants infested with *Pandemis heparana* larvae, antennal response of conspecific adults, and preliminary field trial. **Journal of Chemical Ecology**, 42: 1265–1280. <https://doi.org/10.1007/s10886-016-0794-8>
- P28) Salvagnin U., Carlin S., Angeli S., Vrhovsek U., Anfora G., Malnoy M., Martens S. (2016) Homologous and heterologous expression of grapevine E-beta-caryophyllene synthase (VvGwECar2). **Phytochemistry**, 131: 76–83. <https://doi.org/10.1016/j.phytochem.2016.08.001>
- P27) Pattamayutanon P., Angeli S., Thakeow P., Abraham J., Disayathanoowat T., Chantawannakul P. (2015) Biomedical activity and related volatile compounds of Thai honeys from three different honeybee species. **Journal of Food Science**, 80 (19): M2228-M2240. <https://doi.org/10.1111/1750-3841.12993>
- P26) Abraham J., Giacomuzzi V., Angeli S. (2015) Root damage of apple plants by cockchafer larvae induces a change in volatile signals below- and above-ground. **Entomologia Experimentalis et Applicata**, 156: 279-289. <https://doi.org/10.1111/eea5.12330>



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