

Curriculum Vitae

November, 2020

Assist. Prof. Sergio Angeli



Affiliation

Faculty of Science and Technology
Free University of Bozen-Bolzano
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Current position

Tenured Assistant Professor of General and Applied Entomology and Apiculture at the Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy, since June 2009.

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, University of Cape Coast Ghana, University of Chiang Mai Thailand, Swedish University of Agricultural Sciences and University of Natural Resources and Life Sciences, Vienna.

Member of the Study Council of the PhD Program "Mountain Environment and Agriculture", Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy.

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.

Member of the Study Council of the B.Sc. Program "Agricultural and Agro-Environmental Sciences", Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy.

Member of the Municipal Council of Croviana, Trento province, 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.

Personal data

Birthday: 11 July 1972; Place of birth: Cles (TN), Italy; Nationality: Italian; Marital status: married, 1 child.

Education and Academic Career

- **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, Elite 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**
1997 – 2000 (3 years) 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).
- **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

- Habilitation as Full Professor, 2017 National Habilitation as Full Professor in the competition area 07/D1 (Plant Pathology and Entomology), scientific disciplinary sector AGR/11 (General and Applied Entomology) (2017 - 2023).
- Habilitation as Associate Professor, 2013 National Habilitation as Associate Professor in the competition area 07/D1 (Plant Pathology and Entomology), scientific disciplinary sector AGR/11 (General and Applied Entomology) (2013 - 2019).
- PhD fellowship Winner of national call for a 3-years PhD fellowship at the Elite 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 Elite University "Sant'Anna School of Advanced Studies" of Pisa, Italy (1991 - 1996) (3 places available all over Italy).

Professional qualification

- **Agronomist**
June 1998 Professional qualification of agronomist (Italian national board).

Present teaching (since 2009)

- "**Agricultural and Forest Entomology**", Faculty of Science and Technology, Free University of Bolzano. Compulsory course for the Bachelor students of the Agricultural and Agro-Environmental Sciences, 6 ECTS. Student course evaluation "Am I satisfied with the teaching of the subject", positive answer >90%
- "**Apiculture**", Faculty of Science and Technology, Free University of Bolzano. Elective course for Bachelor students of the Agricultural and Agro-Environmental Sciences, 3 ECTS. Student course evaluation "Am I satisfied with the teaching of the subject", positive answer >95%.
- "**Applied Entomology in Horticultural Crops**", Faculty of Science and Technology, Free University of Bolzano. Compulsory course for Master students of the International Horticultural Science, 3 ECTS. Student course evaluation "Am I satisfied with the teaching of the subject", positive answer >80%.

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

"**Tropical Forest Protection and Agroforestry**", elective course for Master students; "**Biometric data analysis and forest dynamics**", compulsory 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

- April 2018 Invited professor at the **Swedish University of Agricultural Sciences, Sweden**.
- November-December 2017, 2018 and 2020 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 Guest researcher 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** >25
- **Master theses** >15
- **PhD theses**
 - 10:- Chaymae Fennine**, "Determination of tephritids olfactomes: a bridge towards understanding fruit flies ecology and evolution", **2019-2022**, Free University of Bozen-Bolzano.
 - **Zaid George Abdallah Badra** "Chemical and functional characterization of induced volatile organic compounds released after aphid attack in apple orchards and their role as attractants of aphid natural enemies", **2017-2020**, Free University of Bozen-Bolzano.
 - **Irene Castellan** "An innovative approach for the management of spotted wing drosophila (*Drosophila suzukii*): improve crop protection using an environmentally friendly formulation", **2017-2020**, Free University of Bozen-Bolzano.
 - **Michele Preti** "New strategies in organic pest insect control by the characterization of bioactive plant volatile organic compounds of agricultural crops", **2017-2020**, Free University of Bozen-Bolzano.
 - **Valentino Giacomuzzi** "Tritrophic interactions of apple trees, pest insects and their natural enemies", **2014-2017**, Free University of Bozen-Bolzano.
 - **Umberto Salvagnin** "Genetic engineering manipulation of terpene biosynthesis in *Vitis* for the control of grapevine moth, *Lobesia botrana*", **2014-2017**, Free University of Bozen-Bolzano in collaboration with Fondazione E. Mach of San Michele all'Adige.
 - **Thanapon Kitpot**, "Development of a novel colorimetric indicator for detecting rancidity in the Thai-crispy pork rind 'Kaeb Moo', **2014-2017**, in collaboration with Chiang Mai University (Thailand).
 - **Praetinee Puttamayutanon** "Characterization of tropical Thai honey obtained from different bee species", **2013-2016**, in collaboration with Chiang Mai University (Thailand).
 - **Maria Celeste Fernandez Ferrari**, "Parasite-host interaction between *Varroa destructor* and *Apis* spp.", **2012-2015**, Free University of Bolzano.
 - **John Abraham**, "Chemoecology of plant-insect interactions", **2011-2014**, Free University of Bozen-Bolzano.
- **Postdocs**
 - 5: - Dumenil Claire France Nicolle**, "Chemical ecology of the spotted wing drosophila, *Drosophila suzukii*", **2019-2020**, Free University of Bozen-Bolzano.

- **Sara Bortolini**, "Development of insect-based feed products for livestock production in regional cycles in South Tyrol", **2018-2020**, Free University of Bozen-Bolzano.
- **Riccardo Favaro**, "Sublethal doses of neonicotinoid pesticides on honeybees: effects on odour perception, memory and colony behaviour", **2017-20**, Free University of Bozen-Bolzano.
- **Hannes Schuler**, "A new biological control method of *Varroa destructor* and its economic impact assessment", **2013-14**, Free University of Bozen-Bolzano.
- **Silvia Vitagliano**, "Chemoecological investigations of *Drosophila suzukii*: a new exotic pest attacking cherry and small berry fruits", **2012-13**, Free University of Bozen-Bolzano.

Editorial board of international and national journals

Insects, ISSN 2075-4450; Frontiers in Physiology, ISSN 1664-042X; 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.

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

- 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**)

Editorial board of conferences (since 2010)

- 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.
- 2013 – II Thai-Italian Conference "Food and Agriculture for Sustainable Upland Development", Chiang Mai University (Thailand), 2-3 December 2013.

Organization of educational excursions

- 2016 – International European Excursion, entitled "Interdisciplinary landscape ecology and sustainable agriculture", in cooperation with the Chiang Mai University (Thailand), 20 – 27 February 2016.
- 2014 - Excursion to "Bioplanet", the Italian insect rearing farm for pest control, Cesena, Italy.
- 2010 - Excursion to Bayer Crop Science AG, Monheim am Rhein, Germany.

Invited speaker at conferences and seminars since 2004 (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 8th 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

- 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 CNI, Italian Congress of Entomology, 20-24 June 2016, Padova, **Italy**.
- XXIV CNI, 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**.
- 43th International Apimondia Congress, 29 September - 4 October 2013, Kiev, **Ukraine**.

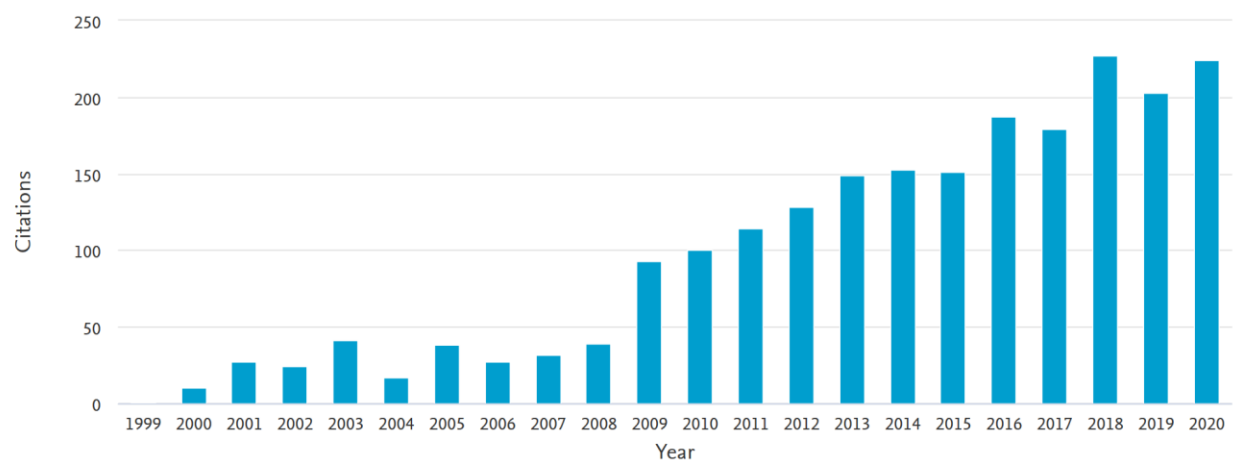
- Conference "Future IPM in Europe", 19-21 March 2013, Riva del Garda (TN), **Italy**.
- XXIV International Congress of Entomology, 19 – 25 August 2012, Daegu, **South Korea**.
- VIII National Postharvest Technology Conference "Postharvest Technology: Innovation for the Future", 1-3 September 2010, Chiang Mai, **Thailand**.

Research keywords

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

Citation metrics (data from Scopus, November 24, 2020)

Citations by year



2,164

45

Documents by author

2164

Citations by 1740 documents

18

h-index: [View *h*-graph](#)

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

- P51) Preti M., Verheggen F., Angeli S. (2020) Insect pest monitoring with camera-equipped traps: a review of the strengths and limitations. **Journal of Pest Science** (review), accepted. DOI: 10.1007/s10340-020-01309-4.
- P50) Alberoni D, Favaro R, Baffoni L, Angeli S, Di Gioia D (2020) Neonicotinoids in the agroecosystem: in-field long-term assessment on honeybee colony strength and microbiome. **Science of the Total Environment**, accepted.
- 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 *Hanseniaspora uvarum* yeast-based attract-and-kill formulation against *Drosophila suzukii* on treated grape leaves. **Insects**, 11(11), 810. DOI: 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. DOI: 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, Free University of Bozen-Bolzano**. 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. DOI: 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. DOI: 10.1080/00218839.2020.1736814.
- P44) Nicli S., Angeli S., Zerbe S. (2020) Ökosoziale Landwirtschaft am Beispiel der Alpen. **Naturschutz und Landschaftsplanung**, 52(02): 68-75.
- 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. DOI: 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. DOI: 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. DOI: 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. DOI: 10.1155/2019/2421708.
- P39) Cellini A., Giacomuzzi V., Donati I., Farneti B., Rodriguez Estrada M.T., Savioli S., Angeli S., Spinelli F. (2018) Pathogen-induced changes in floral scent may increase honeybee-mediated dispersal of *Erwinia amylovora*. **ISME Journal**, 13: 847–859. DOI: 0000-0002-8463-7476.
- 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 *Drosophila suzukii* and its applications”. **Journal of Chemical Ecology**, 44 (10): 922–939. DOI: 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. DOI: 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. DOI: 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. DOI: 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. DOI: 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: 1837–1845. DOI: 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. DOI:10.1371/journal.pone.0172099.
- P30) Boevé J.-L., Trenzcek 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. DOI: 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 (12): 1265–1280. DOI: 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. DOI: 10.1016/j.phytochem.2016.08.002.
- 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. DOI: 10.1111/1750-3841.12993.
- P26) Abraham J., Giacomuzzi V. and 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. DOI: 10.1111/eea5.12330.
- P25) Castrillo L.A., Hajek A. E., Kepler R. M., Pajares J. A., Thomsen I. M., Csóka G., Zamora P., Angeli S. (2015) Multilocus genotyping of *Amylostereum* spp. associated with *Sirex noctilio* and other woodwasps from Europe reveal clonal lineage introduced to the US. **Fungal Biology**, 119: 595-604. DOI:10.1016/j.funbio.2015.03.004.
- P24) Sriwattana S., Phimolsiripol Y., Pongsirikul I., Utama-ang N., Surawang S., Decharatanangkoon S., Chindaluang Y., Senapa J., Wattanatchariya W., Angeli S., Thakeow P. (2015) "Development of concentrated strawberry beverage fortified with longan seed extract" **Chiang Mai University Journal of Natural Sciences**, 14(2): 175-188.
- P23) Abraham J., Zhang A., Angeli S., Abubeker S., Michel C., Feng Y., Rodriguez-Saona C. (2015) Behavioral and antennal responses of Spotted Wing Drosophila, *Drosophila suzukii*, to volatiles from fruit extracts. **Environmental Entomology**, 44(2): 356-367. DOI: 10.1093/ee/nvv013.
- P22) Dekker T., Revadi S., Mansourian S., Ramasamy S., Lebreton S., Becher P.G., Angeli S., Rota-Stabelli O., Anfora G. (2015) Loss of *Drosophila* pheromone reverses its role in sexual communication in *Drosophila suzukii*. **Proceedings of the Royal Society B-Biological Sciences**, 282: 20143018, DOI: 10.1098/rspb.2014.3018.
- P21) Revadi S., Vitagliano S., Rossi Stacconi M.V., Ramasamy S., Mansurian S., Carlin S., Vrhovsek U., Becher P.G., Mazzoni V., Rota-Stabelli O., Angeli S., Dekker T., Anfora G. (2015) Olfactory responses of *Drosophila suzukii* females to host plant volatiles. **Physiological Entomology**, 40(1): 54-64. DOI: 10.1111/phen.12088.

- P20) Dippel S., Oberhofer G., Kahnt J., Gerischer L., Opitz L., Schachtner J., Stanke M., Schütz S., Wimmer E. A., Angeli S. (2014) Tissue-specific transcriptomics, chromosomal localization, and phylogeny of chemosensory and odorant binding proteins from the red flour beetle *Tribolium castaneum* reveal subgroup specificities for olfaction or more general functions. **BMC Genomics**, 15(1): 1141. DOI:10.1186/1471-2164-15-1141.
- P19) Abraham J., Opuni-Frimpong E., Weissbecker B., Schuetz S., Angeli S. (2014) Olfactory cues of mahogany trees to female *Hypsipyla robusta*. **Bulletin of Insectology**, 67(1): 21-30.
- P18) Surin S., Thakeow P., Seesuriyachan P., Angeli S., Phimolsiripol, Y. (2014) Effect of extraction and concentration processes on properties of longan syrup. **Journal of Food Science and Technology**, 51(9):2062-2069. DOI: 10.1007/s13197-013-1249-7.
- P17) Vitagliano S., Grassi A., Anfora G., Angeli S. (2013) L'insetto esotico *Drosophila suzukii*: ecologia e linee di difesa. **Italus Hortus**, 20 (3): 3-17, review paper.
- P16) Sriwattana S., Utama-ang N., Thakeow P., Senapa J., Phimolsiripol Y., Surawang S., Pongsirikul I., Angeli S. (2012) Physical, chemical and sensory characterization of the Thai-crispy pork rind 'Kaeb Moo'. **Chiang Mai University Journal of Natural Sciences**, 11(1): 181-191.
- P15) Boevé J.-L., Angeli S. (2010) Eco-physiology of dorsal versus ventral cuticle in flattened sawfly larvae. **Naturwissenschaften**, 97(6): 595-599. DOI: 10.1007/s00114-010-0668-9.
- P14) Hu J., Angeli S., Schuetz S., Luo Y., Hajek A.E. (2009) Ecology and management of exotic and endemic *Anoplophora glabripennis* (Coleoptera: Cerambycidae). **Agricultural and Forest Entomology**, 11(4): 359–375, review paper. DOI: 10.1111/j.1461-9563.2009.00443.x.
- P13) Richards S., ..., Robertson H.M., **Angeli S.**, Forêt S., et al. (2008) The genome of the developmental model beetle and pest *Tribolium castaneum*. **Nature**, 452(7190): 949-955. DOI: 10.1038/nature06784.
- P12) Thakeow P., Angeli S., Weißbecker B., Schütz S. (2008) Antennal and behavioural responses of *Cis boleti* to fungal odour of *Trametes gibbosa*. **Chemical Senses**, 33(4): 379-387. DOI: 10.1093/chemse/bjn005.
- P11) Shonouda M., Angeli S., Schutz S., Vidal S. (2008) Use of CLSA and SPME-Headspace techniques followed by GC-MS analysis to extract and identify the floral odorants. **Pakistan Journal of Biological Sciences**, 11 (9): 1246-1251. DOI: 10.3923/pjbs.2008.1246.1251.
- P10) Tomaselli S., Crescenzi O., Sanfelice D., Ab E., Wechselberger R., Angeli S., Scaloni A., Boelens R., Tancredi T., Pelosi P., Picone D. (2006) Solution structure of a chemosensory protein from the desert locust *Schistocerca gregaria*. **Biochemistry**, 45(35):10606-13. DOI: 10.1021/bi060998w.
- P9) Boevé J.-L., Ducarme V., Mertens T., Bouillard P., Angeli S. (2004) Surface structure, model and mechanism of an insect integument adapted to be damaged easily. **Journal of Nanobiotechnology**, 2:10. DOI:10.1186/1477-3155-2-10.
- P8) Brandazza A., Angeli S., Tegoni M., Cambillau C., Pelosi P. (2004) Plant stress proteins of the thaumatin-like family discovered in animals. **FEBS Letters**, 13: 572(1-3): 3-7. DOI: 10.1016/j.febslet.2004.07.003.
- P7) Ban L., Scaloni A., Brandazza A., Angeli S., Zhang L., Yan Y., Pelosi P. (2003) Chemosensory proteins of *Locusta migratoria*. **Insect Molecular Biology**, 12(2): 125-134. DOI: 10.1046/j.1365-2583.2003.00394.x.
- P6) Monteforti G., Angeli S., Petacchi R., Minnocci A. (2002) Ultrastructural characterization of antennal sensilla and immunocytochemical localization of a chemosensory protein in *Carausius morosus* Brünner (Phasmida: Phasmatidae). **Arthropod Structure and Development**, 30(3): 195-205. DOI: 10.1016/S1467-8039(01)00036-6.
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- A45) Fernandez Ferrari C.M., Pattamayutanon P., Schuler H., Fontana P., Malagnini V., Chantawannakul P. and Angeli S. (2014) Honey bees as sentinels of the environment: bee health, pesticides, environmental pollution and parasites. Thai-Italian Conference on Food and Agriculture for Sustainable Upland Development, Chiang Mai University, Chiang Mai (Thailand), 2-6 December 2013 (spoken presentation).
- A44) Angeli S. (2013) Unravelling a new language of nature: insect-plant communication through volatile compounds. 4th Annual Meeting of the European PhD Network in Insect Science, Paluzza (Udine), 19-22 September 2013 (spoken presentation).
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- A40) Abraham J., Rodriguez-Saona C., Zhang A., Angeli S. (2013) Exploiting the scent of fruits to protect crops against *Drosophila suzukii*. International Chemical Ecology Conference, Melbourne (Australia), 19-23 August 2013.
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- A32) Thakeow P., Sutthaphakti K., Sakdatorn V. and Angeli S. (2010) Analysis of volatile organic compounds released from teak sawdust. "Research Path: Innovation for Creative Economy and Sustainability" Symposium, Chiang Mai (Thailand) 25-26 November 2010.
- A31) Angeli S. (2010) Learning insect olfaction to build novel highly sensitive olfactory-based biosensors. VIII National Postharvest Technology Conference, Chiang Mai (Thailand), 1-3 September 2010, keynote speaker.