

PERSONAL INFORMATION

Luciana Tavella



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🌐 https://www.sa.unito.it/do/docenti.pl/Show?_id=ltavella#tab-profilo

Sex F | Date of birth 13/07/1960 | Nationality Italian

POSITION

Full professor, University of Torino

WORK EXPERIENCE

- 2016–today: full professor in General and applied entomology (AGR/11), University of Torino, Italy
- 2010–2016: associate professor in General and applied entomology (AGR/11), University of Torino
- 1990–2010: research scientist (assistant professor), University of Torino
- 1989–1990: regular teacher in secondary school, as winner of a contest for teaching Natural Science, Phytopathology, Agricultural Entomology, and Microbiology

EDUCATION AND TRAINING

- 1989: PhD in Agricultural Entomology, University of Bologna, Italy (morphology and biology of plant sucking insects, feeding behaviour, plant-insect interactions)
- 1985: laurea (MSc equivalent) with honors in Agricultural Science, University of Torino (110/110 cum laude)
- 1979: high school diploma (classical maturity), Alessandria, Italy

WORK ACTIVITIES

Basic and applied research on: - biology and epidemiology of native and exotic insect pests; - biology, behaviour and ecology of natural enemies, and evaluation of their efficiency in controlling pest outbreaks; - biological and integrated control of insects noxious to crops; - virus-vector relationships in the thrips-tospovirus system

Academic teaching

1994-today, lecturer in charge of Agricultural entomology, Biological and integrated pest control, Chemical pest control, Pest management in cropping systems for University Courses in Agricultural Science and Technology, University of Torino

Mentoring activities

- Supervisor of 30 bachelor students, 47 master students, and 9 PhD students (among which 1 won the Best Poster Award at CNIE and 2 won the AISSA Best PhD Thesis Award)
- Supervisor of research activity of foreigner students, and visiting scientists at the University of Torino
- Scientific responsible for several fellowships and PostDoc students
- Coordinator of the Unit Entomology, and of Research Group "Sustainable crop pest management" (https://en.disafa.unito.it/do/home.pl/View?doc=/research/research_lines/groups/plant_health/sustainable_crop_pest_management.html) at the DISAFA, University of Torino
- External Consultancy Entomologist for Action Against Hunger within European Neighbourhood Programme for Agriculture and Rural Development (2017)
- Member of panel of international experts for: - Global Hazelnut Project, coordinated by International Nut and Dried Fruit Council (INC); - INC and Turkish institutions to face and manage *Halymorpha halys* (2019-2020); - Italian OSCE Chairmanship and the European Union/UNDP to advance responses to emergent threats for forestry and agriculture in the Eastern Black Sea Coast Region (2018); - Georgian National Food Agency for "Monitoring and management strategy recommendation for the brown marmorated stink bug *Halymorpha halys*" (2016-2018); - COST Action FA1105 BioGreenhouse, WG3 Plant Health (2012-2016)

PERSONAL SKILLS

Design and conduct of research. Excellent attitude of working in a team. Long experience in teaching and interacting with undergraduate and graduate students. Leadership (head of a research group). Ability to act as an expert outside academia and in particular support policy makers' decisions

Mother tongue(s)
Other language(s)
Communication skills

- Italian
- English: proficient user and independent writer
- Excellent communication skills demonstrated in the many seminars, conferences and workshops attended to disseminate the results of research to the scientific community and stakeholders
- Responsible for a research team of 6-10 people

Organisational/managerial skills

Job-related skills

- Good knowledge of insects and crop protection techniques, with particular regard to innovative tools and environmentally friendly measures, including biological control (active participation to the working groups on mass rearing and field release of biological control agents)
- Good command of coordination activities and quality control processes (currently coordinator of the traineeship for bachelor's and MSc degrees in Agricultural Science, and member of Joint Teaching Committee in Quality Committee)

Digital skills

- Good command of office suite (Microsoft Office™, Word, Excel, Power Point), and of the statistical software (IBM SPSS® Statistics)

ADDITIONAL INFORMATION

Publications

Number of publications in peer-review journals: 87; number of citations: 1863; h-index: 23 (source Scopus)

Some recent publications with important application implications for the agricultural sector:

- Ingegno B.L., **Tavella L.**, 2022. Ozone gas treatment against three main pests of stored products by combination of different application parameters. *Journal of Stored Products Research* 95: 101902
- Candian V., Pansa M.G., Santoro K., Spadaro D., **Tavella L.**, Tedeschi R., 2020. Photosensitive exclusion netting in apple orchards: effectiveness against pests and impact on beneficial arthropods, fungal diseases and fruit quality. *Pest Management Science* 76: 179-187
- Haye T., Moraglio S.T., Stahl J., Visentin S., De Gregorio T., Tavella L., 2020. Fundamental host range of *Trissolcus japonicus* in Europe. *Journal of Pest Science* 93: 171-182
- Ingegno B.L., Messelink G.J., Bodino N., Iliadou A., Driss L., Woelke J.B., Leman A., Tavella L., 2019. Functional response of the mirid predators *Dicyphus bolivari* and *D. errans* and their efficacy as biological control agents of *Tuta absoluta* on tomato. *Journal of Pest Science* 92: 1467-1478
- Bosco L., Moraglio S.T., **Tavella L.**, 2018. *Halyomorpha halys*, a serious threat for hazelnut in newly invaded areas. *Journal of Pest Science* 91 (2): 661-670

Projects

As scientific responsible, she has received funds from EU, MIUR, MiPAF, Italian Regions (Piemonte, Liguria, Emilia Romagna), other public institutions, and private companies (e.g., Ferrero group, Bayer Crop Science, Nunhems) to carry out research on biological control and integrated management of crop pests. Some recent projects are listed hereafter:

- EIT FOOD: Standardisation of innovative pest control strategies to produce zero residue fruit for baby food and other fruit produce (CleanFruit) (2020) - <https://www.eitfood.eu/projects/cleanfruit>
- Regione Piemonte: Multiplication and field release of the egg parasitoid *Trissolcus japonicus* for biological control of brown marmorated stink bug in Piedmont (2020-2022)
- Regione Emilia-Romagna, Programma regionale di sviluppo rurale 2014-2020: Agroecological innovations for the control of *Halyomorpha halys* on crops for livestock use (Stop-Haly) (2020-2022)
- Bando Alimentare 4.0 2018 - Fondazione CRC: Low environmental impact management strategies for the horticultural sector (SFIDA) (2019-2021)
- Bando Alimentare 4.0 2018 - Fondazione CRC: Innovative and SMART technologies for sustainable APPLE production (SMART APPLE) (2019-2021)
- Fondazione CRC: Eco-friendly control strategies against *Halyomorpha halys* (HALYEND) (2017-2019)

Conferences, Seminars

- Invited speaker at several meetings, conference and workshop both to present the results achieved in the research project the scientific community, and to transfer the knowledge acquired to stakeholders for improved and sustainable agricultural production

Memberships

- Member of the Italian Academy of Entomology and of the Agriculture Academy of Torino
- Member of the Italian Society of Entomology (SEI), and of the Agricultural Entomology Section (SEA); 2015-2017, member of the Coordination Committee of the SEI-SEA; since 2018, member of the Executive Board of the SEI

Grugliasco, April 27, 2022

