

LUCIANA TAVELLA

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Master degree in Agricultural Science, University of Torino, in 1982 (110/110 cum laude), and PhD in Agricultural Entomology, University of Bologna, in 1989. Now full professor at the University of Torino, and lecturer in charge of Biological and integrated pest control, Pest management in cropping systems. Since 1994, she is lecturer in charge of Agricultural entomology, Biological and integrated pest control, Chemical pest control, Fruit and grapevine pest management for University Courses in Agricultural Science and Technology, University of Torino.

She carries out her research activity in the area of agricultural entomology. The main research topics are: - biology, behaviour and ecology of emerging crop pests, including indigenous and exotic insects; - biology, behaviour and ecology of natural enemies (e.g. predatory bugs and parasitoid wasps), and evaluation of their role and efficiency in controlling pest outbreaks; - biological control and integrated pest management of insects noxious to crops; - studies on virus-vector relationships in tospovirus-thrips system; - taxonomic, biological and chorological studies on Hemiptera Heteroptera. The results of the scientific activity are presented in numerous articles in international scientific journals.

She has participated in research projects financially supported by MIUR, MiPAF, CNR. As scientific responsible, she has received funds from MIUR, MiPAF, Piemonte Region, Liguria Region, Province of Torino, other public institutions, and private companies, to carry out research on biological control and integrated pest management in agricultural crops, and on biology and behaviour of crop pests and their natural enemies.

She is member of the Italian Academy of Entomology, Agricultural Academy of Torino, Italian Society of Entomology and Italian Society of Plant Protection.

In particular, she has carried out research on the brown marmorated stink bug, as documented by the following publications:

- Abram P.K., Hoelmer K.A., Acebes-Doria A., Andrews H., Beers E.H., et al. 2017. Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. *Journal of Pest Science* 90 (4), 1009-1020.
- 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.
- Candian V., Pansa M.G., Briano R., Peano C., Tedeschi R, Tavella L. 2018. Exclusion nets: a promising tool to prevent *Halyomorpha halys* from damaging nectarines and apples in NW Italy. *Bulletin of Insectology* 71 (1): 21-30.
- 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.
- Moraglio S.T., Tortorici F., Pansa M.G., Castelli G., Pontini M., Scovero S., Visentin S., Tavella L., 2020. A 3-year survey on parasitism of *Halyomorpha halys* by egg parasitoids in northern Italy. *Journal of Pest Science* 93: 183-194.
- Morrison W.R. III, Milonas P., Kapantaidaki D.E., Cesari M., Di Bella E., Guidetti R., Haye T., Maistrello L., Moraglio S.T., Piemontese L., Pozzebon A., Ruocco G., Short B.D., Tavella L., Véték G., Leskey T.C. 2017. Attraction of *Halyomorpha halys* (Hemiptera: Pentatomidae) haplotypes in North America and Europe to baited traps. *Scientific Reports* 7 (1), 16941.
- Stahl J., Tortorici F., Pontini M., Bon M.-C., Hoelmer K., Marazzi C., Tavella L., Haye T. 2018. First discovery of adventive populations of *Trissolcus japonicus* in Europe. *Journal of Pest Science* 92: 371-379.
- Tortorici F., Talamas E., Moraglio S.T., Pansa M.G., Asadi-Farfar M., Tavella L., Caleca V., 2019. A morphological, biological and molecular approach reveals four cryptic species of *Trissolcus* Ashmead (Hymenoptera, Scelionidae), egg parasitoids of Pentatomidae (Hemiptera). *Journal of Hymenoptera Research* 93: 153-200.