

PERSONAL INFORMATION

Carlo Duso



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🌐 <https://www.dafnae.unipd.it/category/ruoli/personale-docente?key=3823C39E7E88165D4708813851177874>

Sex Male | Date of birth 09/11/1957 | Nationality Italy

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2010 - now

Full Professor

University of Padova (Italy)

- Teaching MSc courses: Integrated pest management in agricultural systems, Agricultural Entomology
- Research: Ecology and management of invasive pests, IPM in protected ornamentals and perennial crops, management of vectors of viruses and phytoplasmas in vineyards

Business or sector: Academia

2000 - 2010

Associate Professor

University of Padova (Italy)

- Teaching BSc courses: Environmental Entomology, Agricultural Entomology
- Research: General and applied acarology, Integrated pest management in viticulture, side-effects of pesticides

Business or sector: Academia

1990 – 2000

Researcher

University of Padova (Italy)

- Teaching BSc courses: Agricultural Zoology, Agricultural Entomology
- Research: General and applied acarology, Integrated pest management in viticulture

Business or sector: Academia

EDUCATION AND TRAINING

1987-1990

PhD

University of Bologna (Italy)

- Agricultural Entomology

1976-1981

MSc

University of Padova (Italy)

- Agricultural Sciences

WORK ACTIVITIES

Awards

Member of the Italian Academy of Entomology

Editorial activity

Editorial Board Member: Current EB member in Frontiers in Sustainable Food Systems, Insects, Acarologia; Past EB member in Scientific Reports and Experimental and Applied Entomology.

Invited presentations

Invited talks in International Congresses (e.g., International Congress of Entomology, International Congress of Acarology) and institutions (e.g., University of Kyoto, University of Thrace, OIV Paris,

European Parliament)

Grants In the last 4 years: coordinator of 8 National projects (496,664€)**PERSONAL SKILLS**

Mother tongue(s) Italian

Other language(s) English, French

Job-related skills

President of BSc Course in Viticulture and Oenology, University of Padova (2010-2018)
 Coordinator Erasmus Mundus Master in "Plant Health" for the University of Padova (2015-2019)
 Convenor of the IOBC/WPRS WG "Integrated Pest Management in Viticulture" (2015-2021)
 Coordinator of Third Mission Group of DAFNIAE (2021-2024)
 Board of Directors Research Centre for Viticulture and Oenology, University of Padova (2021-2022).

Other skills

Dissemination of scientific knowledge to stakeholders.

ADDITIONAL INFORMATION**Selected publications**

- GIUDICE, G., MOFFA, L., NIERO, M., DUSO, C., SANDRINI, M., VAZZOLER, L.F., LUISON, M., PASINI, E., CHITARRA, W., NERVA, L., 2022. Novel sustainable strategies to control *Plasmopara viticola* in grapevine unveil new insights on priming responses and arthropods ecology. *Pest Management Science* DOI 10.1002/ps.6860.
- MALAGNINI V., POZZEBON A., FACCHIN P., PAGANELLI A., DUSO C., 2022. Airborne pollen can affect the abundance of predatory mites in vineyards: implications for conservation biological control strategies. *Pest Management Science*, doi: 10.1002/ps.6815.
- PAZARU, S.C., D'AMBROGIO, L., DAL CERO, M., RASERA, M., CENEDESE, G., GUERRIERI, E., PAVASINI, M., MORI, N., PAVAN, F., DUSO, C., 2023. Efficacy of Conventional and Organic Insecticides against *Scaphoideus titanus*: Field and Semi-Field Trials. *Insects* 14, 2, 101, DOI10.3390/insects14020101.
- GEPPERT, C., ... CHIESA, S.G., 2024. Climate and landscape composition explain agronomic practices, pesticide use and grape yield in vineyards across Italy. *Agricultural Systems* 215, DOI 10.1016/j.agsy.2024.10385.
- MELE, A., AVANIGADDA, D.S., CECCATO, E., OLAWUYI, G.B., SIMONI, F., DUSO, C., SCACCINI, D., POZZEBON, A., 2024. Comparative life tables of *Trissolcus japonicus* and *Trissolcus mitsukurii*, egg parasitoids of *Halyomorpha halys*. *Biol Control* 195. DOI 10.1016/j.biocontrol.2024.105548
- GONELLA, E., BENELLI, G., ARRICAU-BOUVER, N., BOSCO, D., DUSO, C., DIETRICH, C.H., GALETTO, L., RIZZOLI, A., JOVIC, J., MAZZONI, V., MORI, N., NIERI, R., ROVERSI, P.F., STRAUSS, G., THIERY, D., TRIVELLONE, V., VIRANT-DOBERLET, M., LUCCHI, A., ALMA, A., 2024. *Scaphoideus titanus* forecasting and management: quo vadis? *Entomologia generalis* 44: 497-510. DOI 10.1127/entomologia/2023/2598
- MELE A., TIRELLO P., SCACCINI D., DUSO C., POZZEBON A., 2025. Lethal and sub-lethal effects of fungicides and plant strengtheners on *Trissolcus japonicus* and *Trissolcus mitsukurii*, egg parasitoids of *Halyomorpha halys*. *Ecotox. Environ. Safety*. doi.org/10.1016/j.ecoenv.2025.119088.
- PAZARU SC, DA FRÈ R, BOTTEON, B, D'AMBROGIO L, PAVAN, F, DUSO, C 2025. Does woody vegetation influence the spatial distribution of *Scaphoideus titanus* (Hemiptera: Cicadellidae) and Flavescence dorée in vineyards? Analysis of 4 case studies in north-eastern Italy. *Ann. Entomol. Soc. Am.* DOI:10.1093/aesa/saaf030

Current projects

- AgriTech - Crop Health: a multidisciplinary system approach to reduce the use of agrochemicals (2022-2025, Ministry of Agriculture).
- Fattori che influenzano la biologia, il comportamento e il controllo di *Scaphoideus titanus* (2022-2025, Veneto Region).
- Effetti degli insetticidi sulle comunità degli acari della vite con enfasi sulla salvaguardia dei predatori (2025-2026, Veneto Region).
- Indagini su *Scaphoideus titanus* nel territorio del Consorzio di tutela Conegliano Valdobbiadene Prosecco Superiore D.O.C.G. ed effetti dei trattamenti insetticidi su fitofagi e predatori (Consorzio Conegliano Valdobbiadene Prosecco Superiore D.O.C.G., 2025-2026).
- Il controllo di *Scaphoideus titanus*: prevenzione della resistenza ed effetti collaterali degli insetticidi (Consorzio Prosecco D.O.C., 2025-2026).



10 October 2025