

CURRICULUM VITAE ET STUDIORUM: Viola Filippini



Personal data: Born in Rome (RM), 06/05/2000

Present Position: PhD Student

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EDUCATION

- **November 2025 – current** PhD Student in “Models and Methods for Material and Environmental Sciences” University of Modena and Reggio Emilia (UniMore).
- **December 2023 Master** Degree in “Biodiversity and ecosystem management” (110/110 *cum laude*) at the University of Roma Tre with a thesis entitled ‘Genetic structure of *Stenostoma rostratum* (Fabricius,1767) (Coleoptera, Oedemeridae), stenoecious species of coastal dune ecosystems”, under the supervision of Prof. Marco A. Bologna.
- **October 2021 Bachelor** Degree in “Biological Sciences” (110/110) at the University of Roma Tre with a thesis entitled ‘Biogeography of Tuscan Archipelago”, under the supervision of Prof. Marco A. Bologna.

VISITS AND STAYS

- **March 2024** Visiting scientist at Fondazione Edmund Mach, Trento (TN), Italy; participating as a field research assistant to “Fortress”: European project funded with ERC (European Research Council), and proposed by prof. Tommaso Jucker, Selva lab (laboratory of forest ecology), Bristol University, UK.
- **April 2024** Visiting scientist at University of Alcalá, Madrid, Spain (Lab. FORECO: Ecología y Restauración Forestal); Fortress project.

RESEARCH PROJECTS

- **16th of February – 31st of October 2025:** “Biodiversità molecolare della fauna edafica, con particolare riferimento ai taxa trascurati, in relazione alla qualità del suolo” in the contest of the project “CN_5 - Biodiversità - Centro Nazionale per il Futuro della Biodiversità - Piano Nazionale Ripresa e Resilienza (PNRR) Missione 4, Componente 2, Investimento 1.4 Codice progetto CN000000033 – “NATIONAL BIODIVERSITY FUTURE CENTER – NBFC”. Position as Junior Research Fellow at UniMore, Modena, Italy.
- **8th of July 2024 – 14th of January 2025:** “Ricerche faunistiche entomologiche nel Mediterraneo centro-orientale per la costruzione di librerie di riferimento per il DNA barcoding” (BIOSCAN). Position as Junior Research Fellow at University of Roma Tre, Rome, Italy.
- **22nd of February – 14th May 2024:** FORTRESS Project. Project investigating the impact of climate extremes on different forest ecosystems across Europe (Italy, Spain, Scotland, Romania, Norway, Germany). Position as Research field assistant.
- **1st of May 2022 – 15th December 2023:** Genetic structure of *Stenostoma rostratum* (Fabricius,1767) (Coleoptera, Oedemeridae), stenoecious species of coastal dune ecosystems”. Position as Master thesis student.

POSTER PRESENTATIONS as presenting Author

- Investigating Biodiversity of Edaphic Fauna: Integrative Taxonomy of Italian Pauropoda (Myriapoda), **Filippini V.**, Giovannini I., Cesari M., Scaramelli M., Sabatini M.A., Rebecchi L., Guidetti R. 84th congress of UZI (Italian Zoological Union), University of Cagliari, 16-19 September, 2025.
- Exploring Soil Biodiversity: Integrative Taxonomy of Italian Pauropoda. **Filippini V.**, Giovannini I., Cesari M., Scaramelli M., Sabatini M.A., Rebecchi L., Guidetti R. Biodiversity Forum of National Biodiversity Forum Center (NBFC), Bicocca University, Milan, 19-22 May, 2025.
- Genetic structure of *Stenostoma rostratum* (Fabricius, 1767) (Coleoptera, Oedemeridae), a specialist of coastal dune ecosystems. **Filippini V.**, Poloni R., Spagoni L., Bologna M.A., Riccieri A. 27th congress of SEI (Italian Entomological Society), University of Palermo, 12-16 June, 2025.

AWARDS

- **September 2025** ‘*Young Researchers Award*’ Prize released by Italian society “Fauna d’Italia” for the best poster presented during the 84th UZI congress. Poster: Investigating Biodiversity of Edaphic Fauna: Integrative Taxonomy of Italian Pauropoda (Myriapoda), **Filippini V.**, Giovannini I., Cesari M., Scaramelli M., Sabatini M.A., Rebecchi L., Guidetti R.

SUPERVISION OF BACHELOR & MASTER STUDENTS

- **2025.** Co-supervisor of one Bachelor Student, Melissa Civolani, working on a thesis entitled “Integrative Taxonomy of Italian Pauropoda”. UniMore, EvozooLab.

TEACHING ASSISTANCE

- Assistance for the course: *Biologia Sperimentale - modulo di Zoologia*, Prof. Michele Cesari, at the bachelor of Biological Sciences, UniMore (academic year 2024/2025).
- Tutorship for the course: *Biologia dello Sviluppo*, Prof. Sandra Moreno, at the bachelor of science in Biology, University of Roma Tre (academic year 2020/2021).
- Tutorship for the course: *Biologia Molecolare*, Prof. Paolo Mariottini, at the bachelor of science in Biology, University of Roma Tre (academic year 2020/2021).
- Tutorship for the course: *Citologia e Istologia*, Prof. Marco Colasanti, at the bachelor of science in Biology, University of Roma Tre (academic year 2020/2021).
- Assistance for the course: *Genetica Umana*, Prof. Antonella Sgura, at the master of science in Cellular and Molecular Biology, University of Roma Tre (academic year 2020/2021).

BRIEF DESCRIPTION OF THE RESEARCH ACTIVITY

The current PhD project will focus on investigating the effects of modern composting (Biochar and COMBI: Green Compost + Biochar) on soil microarthropods through eDNA metabarcoding approach. Performance and impacts of different types of Biochar will be evaluated on crop fields analysing the differences between composition of microarthropods communities under different treatments, and performing laboratory ecotoxicological test on *Folsomia candida* (Collembola).

The analyses produced during the proposed project will help to finally shed some light on the agronomic efficacy of this compost, and especially whether its effects are sustainable for the life and dynamics of small arthropods communities.

OTHER INFORMATION

PUBLIC ENGAGEMENT

- Festival della Scienza | 23-25/10/2025 | Genova (GE) | Laboratory: “Il mondo nascosto dei piccoli organismi”. Laboratory on microscopy and scientific research on soil fauna and Tardigrades.
- EntoModena | 20/09/2025 | Modena (MO) | Evozoolab: Faune im-percettibili – Microscopy and scientific research.
- NBFC Sampling week: Bioblitz | 17/05/2025 | Oasi di Torrazzuolo, Nonantola, Modena. Organization and support for laboratory on soil fauna sampling and observation.
- EntoModena | 12-13/04/2025 | Modena (MO) | Evozoolab: Faune im-percettibili – Microscopy and scientific research.

BOOK CHAPTERS AND MANUSCRIPTS IN JOURNALS WITHOUT IF.

1. Annessi M., Capitani F., Donschev M., Erban E., **Filippini V.**, Garzuglia F., Lucente D., Manganello E., Mircoli A., Pansardi A., Piscolla D., Romanelli L., Carosi M., Abeli T. *Conservation status of Vicia cusnae (Foggi & Ricciari)*. Quaderni del Museo Civico di Storia Naturale di Ferrara, 10, p. 19-23.

Updated on 13/11/2025

