

PERSONAL INFORMATION

Francesca Napoleone

POSITION APPLIED FOR

Postdoctoral research fellow

ACADEMIC EMPLOYMENT

May 2024 – April 2025

Postdoctoral research fellow

Department of Environmental Biology, La Sapienza University, Rome, Italy

Monitoring of semi-natural habitats within the PRIN project "Predicting the range-shifts of woody plant species by incorporating the critical role of small mammal scatter-hoarders"

May 2023 – April 2024

Postdoctoral research fellow

Department of Environmental Biology, La Sapienza University, Rome, Italy

Data analysis to evaluate the impact of management on small mammals for the project "Of mice and plants: how forest management affects interactions between vascular plants and small mammals in deciduous oak forests"

May 2022 – April 2022

Postdoctoral research fellow

Department of Environmental Biology, La Sapienza University, Rome, Italy

Monitoring of semi-natural habitats for the LIFE20/NAT/IT/001076 project "SHEPFORBIO - Shepherds for Biodiversity in Mountain Areas" with cartographic analysis and field surveys

June 2016 – January 2017

Scholarship fellow

Department of Environmental Biology, La Sapienza University, Rome, Italy

Analysis of plant diversity in the Monti Affilani (Italy)

EDUCATION

November 2017 – March 2021

PhD in Environmental and Evolutionary Biology

Department of Environmental Biology, La Sapienza University, Rome, Italy

"Plant diversity and functions in mountain semi-natural grasslands under different management intensities"

Supervisor: Prof.ssa Sabina Burrascano

Final evaluation: Summa cum laude

February 2020 – March 2020

Visiting Phd student

Agroscope, Nyon, Switzerland

October 2011 – December 2014

Master's degree in Nature Conservation

Department of Environmental Biology, La Sapienza University, Rome, Italy

"Analysis of conservation interest flora and land cover change (1980-2008) in the Presidential Estate of Castelporziano (Lazio), Italy"

Supervisor: Prof. Carlo Blasi

Final evaluation: Summa cum laude

October 2007 – December 2011

Bachelor's degree in Natural Sciences

Department of Environmental Biology, La Sapienza University, Rome, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills Microsoft Office tools; QGIS; R; ImageJ; Fiji

Driving licence B

GRANTS

September 2021 – October 2022

Virtual Mobility Grant

COST Action n. CA18207 – 'Bottoms-Up'

Harmonization of multi-taxon datasets and collection of functional traits related to management and climate change for the COST Action n. CA18207 "Bottoms- Up"

PUBLICATIONS

- **Napoleone, F.**, Frondoni, R., Probo, M., ... & Burrascano, S. Local grazing pressure drives the diversity of flower traits in semi-natural grasslands. *Agriculture Ecosystems & Environment*
- Caucci, L., **Napoleone, F.** [joint first authors], Ferrante G., ... & Burrascano, S. Transiently richer but profoundly changed: fire regime triggers physiognomic changes in sub-Mediterranean vegetation. *Journal of Vegetation Science*, 36(4), e70047. <https://doi.org/10.1111/jvs.70047>
- Chianucci, F., **Napoleone, F.** [corresponding author], Ricotta, C., Ferrara, C., Fusaro, L., Balducci, L., ... & Burrascano, S. (2024). Silvicultural regime shapes understory functional structure in European forests. *Journal of Applied Ecology*, 61(10), 2350-2364. <https://doi.org/10.1111/1365-2664.14740>
- Knollová, I., Chytrý, M., Brulheide, ... **Napoleone, F.**, ... & Moiseev, P. (2024). ReSurveyEurope: A database of resurveyed vegetation plots in Europe. *Journal of Vegetation Science*, 35(2), e13235. <https://doi.org/10.1111/jvs.13235>
- Svensk, M., Mariotte, P., Terranova, ... **Napoleone, F.**, ... & Probo, M. (2024). *Alnus viridis*: an encroaching species with valuable nutritional value reducing livestock greenhouse gas emissions. *Agriculture, Ecosystems & Environment*, 364, 108884. <https://doi.org/10.1016/j.agee.2024.108884>
- Burrascano, S., Chianucci, F., Trentanovi, G., ... **Napoleone, F.**, ... & Ódor, P. (2023). Where are we now with European forest multi-taxon biodiversity and where can we head to? *Biological conservation*, 284, 110176. <https://doi.org/10.1016/j.biocon.2023.110176>
- **Napoleone, F.**, Probo, M., Mariotte, P., Enri, S. R., Lonati, M., Argenti, G., & Burrascano, S. (2022). Agri-environmental payments drive the conservation and forage value of semi-natural grasslands by modifying fine-scale grazing intensity. *Biological Conservation*, 269, 109531. <https://doi.org/10.1016/j.biocon.2022.109531>
- **Napoleone, F.**, Manzini, D., & Burrascano, S. (2022). How to measure flower ultraviolet reflectance using digital photography. *Applied Vegetation Science*, 25(1), e12648. <https://doi.org/10.1111/avsc.12648>
- Ventura, D., **Napoleone, F.** [corresponding author], Cannucci, S., Alleaume, S., Valentini, E., Casoli, E., & Burrascano, S. (2022). Integrating low-altitude drone based imagery and OBIA for mapping and manage semi natural grassland habitats. *Journal of Environmental Management*, 321, 115723. <https://doi.org/10.1016/j.jenvman.2022.115723>
- **Napoleone, F.**, Giarrizzo, E., & Burrascano, S. (2021). Habitat conservation state and plant diversity respond to different drivers in semi-natural grasslands. *Journal of Vegetation*

Science, 32(4), e13055. <https://doi.org/10.1111/jvs.13055>

- Bonari, G., Fantinato, E., Lazzaro, L., ... **Napoleone, F.**, ... & Bagella, S. (2021). Shedding light on typical species: implications for habitat monitoring. *Plant Sociology*, 58(1), 157-166. <https://doi.org/10.3897/pls2020581/08>
- Lattanzi, E., Tilia, A., Bonacquisti, S., ... **Napoleone, F.**, ... & Blasi, C. (2021). La flora della Tenuta Presidenziale di Castelporziano. Censimento, pressioni e presenza di specie alloctone. In *Il sistema ambientale della tenuta presidenziale di Castelporziano. Ricerche sulla complessità di un ecosistema forestale costiero mediterraneo* (pp. 437-469). Accademia Nazionale delle Scienze detta dei Quaranta.
- Contribution in "Notulae alla flora esotica d'Italia 12: 263" – *Informatore Botanico Italiano* 47 (1): 83. Tilia, A., **Napoleone, F.** & Lattanzi, E.

PAPERS UNDER REVIEW

- Balducci, L., **Napoleone, F.**, ... & Burrascano, S. Do European forest carbon and biodiversity policies have a win-win potential? Under review at: *Nature communication*
- Gasperini, S., **Napoleone, F.**, Bartolommei, P., & Burrascano, S. Environmental heterogeneity as a differential driver for density of two sympatric rodent species. Under review at: *Ecology and Evolution*
- Sumbh, O., Hellegers, M., Barbarossa, V., ... **Napoleone, F.**, ... & Schipper, A. Developing and validating species distribution models for wetland plants across Europe. Under review at: *Ecology and Evolution*
- Midolo, G., Clark, A., Chytry, M., ... **Napoleone, F.**, ... & Keil, P. Six decades of losses and gains in alpha diversity of European plant communities. Under review at: *Science Advances*

PRESENTATIONS AT CONFERENCES

- **Napoleone, F.**, Frondoni, R., Probo, M., Ravetto Enri, S., Lonati, M., Argenti, G., Burrascano, S. (2025). "Building a bouquet for pollinators: moderate grazing drives the diversity of flower traits in semi-natural grasslands". Oral presentation at the *58th International Congress of the Italian Society of Vegetation Science (SISV)*, Reggio Calabria, Italy.
- **Napoleone, F.** & Burrascano, S. (2025). "Building a bouquet for pollinators: moderate grazing drives the diversity of flower traits in semi-natural grasslands." Oral presentation at the *2nd Conference of Conservation Biology for Early Career Researchers*, L'Aquila, Italy.
- **Napoleone, F.** & Burrascano, S. (2024). "Moderate grazing sustains flower traits' diversity in semi-natural grasslands." Oral presentation at the *19th Eurasian Grassland Conference (EGC)*, Bolzano, Italy.
- **Napoleone, F.**, Probo, M., ... & Burrascano, S. (2022). "Effects of agri-environmental payments on the diversity and functionality of a semi-natural grassland habitat." Oral presentation at the *6th European Congress of Conservation Biology (ECCB)*, Prague, Czech Republic.
- **Napoleone, F.** & Burrascano, S. (2020). "Effects of european agri-environment measures and management practices on the conservation state of semi-natural dry grasslands." Oral presentation at the *Workshop of the Italian Society for Vegetation Science (SISV)*, online.
- **Napoleone, F.** & Burrascano, S. (2019). "Plant diversity and functions in semi-natural grasslands under different management intensities." Oral presentation at the *53rd Congress of the Italian Society for Vegetation Science (SISV)*, Sassari, Italy.
- **Napoleone, F.** & Burrascano, S. (2018). "Plant diversity and functions in semi-natural grasslands under different management intensities." Oral presentation at the *15th Eurasian Grassland Conference (EGC)*, Sulmona, Italy.

CONFERENCE CHAIRING

- *19th Eurasian Grassland Conference (EGC)*, session *Managing & restoring grasslands*, Bolzano, Italy (2024)

ORGANISATION OF SCIENTIFIC MEETINGS

- COST Action n. CA18207 – ‘Bottoms-Up’ Final Conference, Rome, Italy (2024).
- Workshop on Multi-Taxon Forest Biodiversity of the Italian Botanical Society (SBI), Gran Sasso National Park, Italy (2024).
- 15th Eurasian Grassland Conference (EGC), Sulmona, Italy (2018).

REVIEW FOR

- Journal of Environmental Management
- Applied Vegetation Science
- Grass and Forage Science
- Plant Biosystems
- Abstract Reviewer for the Italian Botanical Society (SBI) Congress 2024-2025

STUDENT SUPERVISION

- Dr. Sara Nigro (in progress), University of Rome La Sapienza;
- Dr. Sara Nigro - MSc thesis, University of Rome La Sapienza;
- Dr. Stefano Samorè - MSc thesis, University of Bologna Alma Mater Studiorum;
- Dr. Silvia Cannucci - MSc thesis, University of Rome La Sapienza;
- Dr. Silvia Franzè - MSc thesis, University of Rome La Sapienza.

OTHER ACTIVITIES

- Member of the working group *Study on the Economics of Adoption of Agro-Environmental Practices in the EU* at the Joint Research Centre (JRC) of the European Commission.
- Executive committee member of the *Ecology group* of the Italian Botanical Society (SBI).
- Participation in the University project *Vanishing Habitats in the High-Altitude Montane Zones of the Apennines: Floristic and Vegetation Analysis along with Quaternary Landscape Patterns Information to Address Climate Change*.
- Contribution to data homogenization for *GrassPlot*, the Eurasian Dry Grasslands Group (EDGG)-affiliated database of multi-scale plant diversity in Palaearctic grasslands.
- Teaching experience at the *Shepherd School* of the LIFE20/NAT/IT/001076 ‘SHEPFORBIO: Shepherds for Biodiversity in Mountain Areas’ project: Biodiversity in semi-natural habitats.

COURSES ATTENDED

- Training school *Flower biology and pollination ecology: concepts and practices* - COST Action n. CA18201, online (2021)
- Advanced level open-source GIS course, Rome (2018)

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

La sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

02/08/2025, Rome