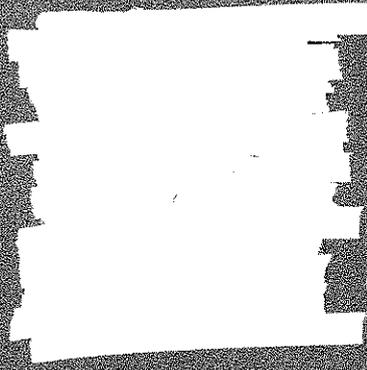


# Arthur LAMOLIERE



## SUMMARY

I am an ecologist specialised in spatial data with over 5 years of experience leading and supporting Ecology and Conservation initiatives, including EU-funded projects. Proficient in spatial data collection, management, and analysis using dedicated GIS. Lecturer in GIS and freelance consultant with a focus on environmental monitoring, habitat mapping, and ecological restoration.

## CONTACT DETAILS

[Redacted contact information]

## PERSONAL INFORMATION

Citizenship: [Redacted]  
Residency: [Redacted]  
Family: [Redacted]  
Languages: English, French, Italian

## SOFTWARE

- ArcGIS Pro, ArcMap, QGIS
- RStudio, SPSS, Past
- Metashape, WebODM, Terra
- Eppicollect5, Qfield
- Python, SQL, R
- Microsoft Office 365, Google Suite/Workspace, LibreOffice
- Inkscape, LaTeX

## LICENSES

Full Driving License  
A1/A3 and A2 CofC drone licenses

## HOBBIES

Camping, cycling, hiking, bird watching.

## EXPERIENCE

RESEARCH SUPPORT OFFICER Since June 2020  
*Biodiversity and Ecology Research Group - Institute of Earth Systems - University of Malta*

### General Duties

- Collection, management and analysis of GIS data
- Scientific management, coordination, and administration of EU-funded projects.
- Experiment design, development of methodologies, and protocols.
- Reporting and preparation of project deliverables.

### BEEOPTech4Honey Project (PRIMA)

- Habitat mapping and spatial modelling.
- Photogrammetry and multispectral imagery by drone.

### PALEOSIM Project (Marie Skłodowska-Curie Actions)

- Collection of invertebrate samples and associated data in the Sicilian Islands.
- Synthesis of the spatial distribution of European habitats.

### WildforOrchids Project (Impetus/Horizon Europe)

- Implementation of Citizen Science - Monitoring of wild orchids populations.
- Supervision of Quality Control, creation, and analysis of spatial databases.

### FAST Project (Interreg Italia-Malta)

- Design, implementation, and monitoring of ecological restoration interventions.
- Scientific coordination and edition of IAS inventories and datasheets.

### SiMaSeed Project (Interreg Italia-Malta)

- Creation and management of the germplasm bank of the Department of Biology.
- Germination tests and development of protocols in semi-controlled environments.

VISITING LECTURER Since January 2024  
*Department of Biology & Centre for Liberal Art and Sciences - University of Malta*

Lecturer and Study Unit Coordinator: Design and delivery of lectures, practical sessions and fieldwork:

- LAS109: Introduction to Cartography: Geographic Information Systems (GIS), Spatial Analysis and Drone Mapping.
- BIO2510: Field Biology - Terrestrial Habitats

FREELANCE GIS CONSULTANT Since June 2023

Providing GIS consultancy services for environmental monitoring, vegetation mapping, and remote sensing, including training in GIS, drone photogrammetry software, and machine learning applications related to drone data analysis. Clients include Işık University, Türkiye; University of Bologna, Italy; and Nature Trust, Malta.

## EDUCATION

MSC IN GEOGRAPHIC INFORMATION SYSTEMS 2022-2024  
*University of Aberdeen.*  
Dissertation title: "Spatial Distribution Modelling of Orchids in the Maltese Islands"

MSC IN APPLIED BIOLOGY 2018-2020  
*University of Malta.*

BSc.(HONS.) IN ENVIRONMENTAL BIOLOGY 2015-2017  
*Napier University, Edinburgh.*

ADVANCED DIPLOMA IN ENVIRONMENTAL ENGINEERING 2013-2015  
*Aix-Marseille University, France.*

## PUBLICATIONS

Complete list of scientific publication is available on the next page.

## PUBLICATIONS

---

- D'Urso, V., Bella, S., Mifsud, D., **Lamoliere, A.**, & Sabella, G. (2024). Problems and perspectives for the use of exotic predators and parasitoids in biological control. *Biodiversity Journal*, **15**(2), 193–198.
- Cutajar, S., Ghose Roy, S., Calleja, M., Duchatelet, B., Tavilla, G., **Lamoliere, A.** (2023). Wild for Orchids Citizen Science Campaign Records 2020 - 2023 (1.0) [Data set]. Zenodo.
- Mifsud D., Cutajar S., Cassar T., D'Urso V., Sabella G., Kazerani F., Puglisi A., Brunetti S., Bella S., Schlick-Steiner I., **Lamoliere A.** (2023). Alien Invasive Arthropods of Malta and Sicily. Malta University Press, viii + 408 pgs.
- Mifsud, S., Minissale, P., D'Agostino, S., Sciandrello, S., **Lamoliere, A.**, Biondolillo, S., D'Urso, R.C., Bacilliere, G. (2023). Alien Plants of Malta and Sicily, 448 pgs.
- Tavilla, G., **Lamoliere, A.**, Gabarretta, J., Attard, V., Henwood, J., Stevens, D. T., & Lanfranco, S. (2023). Climate Change and Wetland Ecosystems: The Effects on Halophilous Vegetation Diversity in Il-Ballut ta'Marsaxlokk Natura 2000 Site (Malta). *Land*, **12**(9), 1679.
- **Lamoliere, A.**, Iannaccone, M. & Buhagiar, J.A., (2022). Use of morphocolorimetric analysis to monitor germination success of *Coronilla valentina* subsp. *glauca* (L.) Batt. *Flora Mediterranea*. **32**: 387-393.
- Buhagiar, J. A., Iannaccone M., **Lamoliere A.** (2022). A vulnerability index for successful eradication of IAPs targets interventions at their most vulnerable stages. *Flora Mediterranea*. **32**: 279-289.
- Iannaccone, M., **Lamoliere, A.**, & Buhagiar, J. A. (2022). Use of *Suillus collinitus* to increase survival rate and resilience of transplanted *Pinus halepensis* seedlings in habitat restoration practices. *Flora Mediterranea*. **32**: 367-374.
- Buhagiar, J. A., **Lamoliere, A.**, & Iannaccone, M. (2021). Seed germination reports for five coastal and inland species from the Maltese Islands. *Flora Mediterranea*, **31**, 283.