

Fabio Mogni

☎ +1 236 970 9033 | ✉ fabio.mogni@gmail.com | 🌐 [Website](#)

🔍 [ResearchGate](#) | [LinkedIn](#) | [ORCID](#) [0000-0003-4750-9974](#)

Skills Summary

Professional Research | Data analysis | Plant Identification | Creativity | Conflict resolution | Project management | Critical thinking | Organization and planning | Decision-making | Good oral and written communication | Data collection and manipulation

Software R | ArcGIS | QGIS | Office Suite | Mendeley | Zotero | GitHub

Teaching Course design | Lecturing | Leadership | Marking & Assessment | Supervision & Mentoring | Team management

Language English | Italian

Academic Qualifications

2018 – 2022 Ph.D. in Ecology and Biogeography, Victoria University of Wellington, Wellington

Thesis: "*The island biogeography of plants and humans*" ([see thesis](#))

2013 – 2015 M.S. in Science of Nature, University of Milan, Milan

Thesis: "*Attribution of the CSR strategies to a sample of Italian flora*" ([see abstract](#))

2008 – 2012 B.S. in Natural Sciences, University of Milan, Milan

Thesis: "*The dry meadows of middle and high Bergamo's plains: dynamic and evolutionary aspects*" ([see abstract](#))

Professional Positions

2024 – Lecturer, University of British Columbia, Kelowna

Courses: *Conservation Biology*

2023 – Guest Lecturer, University of British Columbia, Kelowna

Teaching Invasion Ecology to students from a variety of backgrounds. I delivered an overview of the topic, tailored to each distinct class.

Courses: *Introduction to Environmental Humanities, Creating Positive Learning Environments for Inclusive Education*

2022 – Postdoctoral Fellow, University of British Columbia, Kelowna

Systematically reviewing the literature to compile the available evidence on the individual and cumulative impacts of invasive plant species in British Columbia's riparian ecosystems. Managing and organizing lab meetings, engaging with stakeholders, and writing funding proposals.

2022 Senior Tutor, Victoria University of Wellington, Wellington

Supporting staff, students and lectures across multiple courses.

2021 Lecturer, Victoria University of Wellington

Courses: *New Zealand flora and fauna, Island Ecology & Evolution*

2021 – 2022 Student Advisor, Victoria University of Wellington, Wellington

Student support and counselling (Faculty of Science, Dean's office).

2019 Guest Lecturer, Victoria University of Wellington, Wellington

Courses: *Landscape architecture sites and systems*

2018 – 2022 Teaching Assistant, Victoria University of Wellington, Wellington

Courses: *Plant biology, Plants and algae: function and diversity, New Zealand flora and fauna, Ecology and Environment, Island ecology and evolution*

Publications

- *Published, accepted and in review*

Mogni, F., Bellingham, P. J., Tjørve, E., Cameron, E. K., Wright, A. E., & Burns, K. C. (2021). *Similar yet distinct distributional patterns characterize native and exotic plant species richness across northern New Zealand islands*. *Journal of Biogeography*, 48(7), 1731-1745. doi:[10.1111/jbi.14110](https://doi.org/10.1111/jbi.14110)

Mogni, F., Bellingham, P. J., Cameron, E. K., Dinh, K., Wright, A. E., & Burns, K. C. (2022). *Functional traits explain species richness and island occupancy of non-native plants on northern New Zealand islands*. *Biological Invasions*. 24, 2135–2154. doi: [10.1007/s10530-022-02762-1](https://doi.org/10.1007/s10530-022-02762-1)

Mogni, F. (2022). *Different levels of disturbance influence the distributional patterns of native but not exotic species on New Zealand small islands*. *Frontiers of Biogeography*, 14(2): 1-15. doi:[10.21425/F5FBG54598](https://doi.org/10.21425/F5FBG54598)

Mogni, F., Burns, K. C. (2023). *The island biogeography of humans*. *Proceeding of the Royal Society B*, 290: 20222084. doi: [10.1098/rspb.2022.2084](https://doi.org/10.1098/rspb.2022.2084)

Mogni, F., Moffat, C.E. & Pither, J. *Collating existing evidence on cumulative impacts of invasive plant species in riparian ecosystems of British Columbia, Canada: a systematic map protocol*. *Environmental Evidence* 12, 31 (2023). [10.1186/s13750-023-00320-3](https://doi.org/10.1186/s13750-023-00320-3)

Ciarle, R., Burns, K. C. & **Mogni, F.** (2024). *The loss (and gain) of defensive adaptations in island plants and animals: A comparative review*. In X. Moreira & L. Abdala-Roberts (Ed.). *Ecology and evolution of plant-herbivore interactions on islands*. Springer. [10.1007/978-3-031-47814-7_5](https://doi.org/10.1007/978-3-031-47814-7_5)

Mogni, F., Bellingham, E., Cameron, E. K., Wright, A. E. (Accepted, [Preprint](#)). *Time of naturalization is key to explaining non-native plant invasions on islands*. *Journal of Biogeography*

Mologni, F. (In Review). *The process of island abandonment by humans in recent European history*. [Island Studies Journal](#)

Ciarle, R., Burns, K. C. & **Mologni, F.** (In Review, [Preprint](#)). Flower size evolution in the Southwest Pacific. [Proceeding of the Royal Society B](#)

- *In preparation*

Mologni, F., Pither, J. (Editing). *Open science in invasion ecology: Where are we at?*

Mologni, F. & Walter, R. (Editing). *The island biogeography of humans changes through time: New Zealand as a case study*.

Ciarle, R., **Mologni, F.** & Burns, K. C. (In prep.). *Is dioecy unrelated to insularity? A global perspective*.

Mologni, F., Tjørve, E. (In prep.). *Do human-area relationships change over time on islands? Insights from a European archipelago*.

Donald, M., **Mologni, F.**, Garrard, G. (In prep.). *Examining the language of invasion ecology: Are invasives always invading?*

- *Other Scholarly contributions & projects*

Mologni, F. (2015). *Study on the characteristics of the Malpaga-Basella Reserve with a focus on the exotic flora* ([see abstract](#)). University of Milan, Milan.

Grants & Awards

2023 - 2024 An additional funding of 141,317 CAD (96,711 Euro/173,927 NZD) from British Columbia's Ministry of Forests for the project "*Cumulative impacts of invasive plant species in British Columbia's foreshore and riparian ecosystems*" (Role: Postdoctoral Associate, Project ongoing)

2023 Postdoc Research Day Best Talk (Postdoctoral Association UBC Okanagan)

2022 Wellington International Leadership Award (Victoria University of Wellington)

2021 School of Biological Sciences Best Publication (Victoria University of Wellington)

2021 Wellington International Student Excellence Award (WellingtonNZ - Wellington Economic Development Agency)

2021 Submission Scholarship (5,518 Euro/10,000 NZD, Victoria University of Wellington)

2019 Student Award (552 Euro/1000 NZD, Centre for Biodiversity and Restoration Ecology)

2018 Student Grant (331 Euro/600 NZD, Wellington Botanical Society)

2018 Doctoral Research Scholarship (38902 Euro/70,500 NZD, Victoria University of Wellington)

Conferences & Presentations

2024 Vancouver, ISCBC Forum 2024 (Invited speaker). *Collating existing evidence on cumulative impacts of invasive plant species in riparian ecosystems of British Columbia*, **Mologni F.**, Moffat C., Pither J.

2023 Kelowna, UBC Okanagan Postdoctoral Research Day. *Cumulative impacts of invasive plant species in British Columbia's riparian ecosystems*, **Mologni F.**, Moffat C., Pither J.

2022 Vancouver, 10th Biennial Conference of the International Biogeography Society. *The island biogeography of humans*, **Mologni F.**, Burns K.C.

2021 Wellington, Ecology & Evolution Seminar. *The island biogeography of humans*, **Mologni F.**, Burns K.C.

2020 Wellington, CBRE & CfB Joint Symposium. *Biogeographic dynamics of human populations across New Zealand offshore islands*, **Mologni F.**, Walter R., Burns K.C.

2019 Wellington, Ecology & Evolution Seminar. *Hidden invasion dynamics of exotic plant species on New Zealand offshore islands*, **Mologni F.**, Bellingham P.J., Cameron E.K., Wright, A.E., Burns K.C.

2019 Wellington, Wellington Botanical Society Annual Meeting. *Hidden invasion dynamics of exotic plant species on New Zealand offshore islands*, **Mologni F.**, Bellingham P.J., Cameron E.K., Wright, A.E., Burns K.C.

2018 Wellington, New Zealand Ecological Society. *Differences in the distribution of native and exotic plant species on New Zealand's offshore islands*, **Mologni F.**, Bellingham P.J., Cameron E.K., Wright, A.E., Burns K.C.

Mentorship

2023 – (Postdoc) I am co-supervising a PhD and an undergraduate student. I have also co-supervised an undergraduate student through the University of British Columbia's Indigenous Research Mentorship program.

2018 – 2022 (PhD) I have supervised 25 undergraduate students in developing a research project, from formulating a hypothesis to presenting their results. I advised and counselled a large number of undergraduate students as a student advisor.

2014 – 2015 (MS) I have trained two undergraduate students in laboratory and field data collection protocols.

Service to the profession, Professional memberships & Certifications

Peer-review Acta Oecologica, Journal of Biogeography, Journal of Systematics and Evolution, Evolutionary Human Sciences, Current Zoology, International Biogeography Society - 11th Biennial Conference, Prague 2024

Memberships International Biogeography Society, Invasive Species Council of British Columbia, New Zealand Ecological Society

Certifications Wilderness First Aid, Canadian Outdoor Medical, Kelowna (2023)

Volunteering activities

2023 Executive board member, Postdoctoral Association UBC Okanagan, University of British Columbia, Kelowna

Developing organized and structured support for postdoctoral scholars and planning professional events in collaboration with stakeholders across the institution. Contributed to the development of a non-mandatory checklist designed to enhance relationships between postdoctoral scholars and supervisors.

2021 – 2022 Botanist, Museum of New Zealand Te Papa Tongarewa, Wellington

Identification and databasing of [plant specimens](#) from the Bakers & Thompson collection (1790-1830), with a focus on the genus *Solanum*, Morelloid clade (black nightshades).

2018 – 2020 Field Ecologist, Polhill Protectors, Wellington

Mammals and weed control in a periurban area. Leading volunteers during weeding operations.

2010 – 2015 Field Ecologist, University of Milan, Milan

Plant identification, floristic surveys, fossil extraction and management, bird banding, scientific communication.

References

Prof. Kevin C. Burns,
Victoria University of Wellington,
Wellington (Aotearoa New Zealand)
Email: kevin.burns@vuw.ac.nz

Dr. Peter Bellingham,
Landcare Research Manaaki Whenua,
Lincoln (Aotearoa New Zealand)
Email: bellinghamp@landcareresearch.co.nz

Prof. Jason Pither,
University of British Columbia,
Kelowna (Canada, Syilx territory)
Email: jason.pither@ubc.ca

Dr. Chandra Moffat,
Agriculture and Agri-food Canada,
Summerland (Canada, Syilx territory)
Email: chandra.moffat@AGR.GC.CA