

Rym Nouioua, MSc

Doctoral Researcher

"Since animals perceive environmental changes differently than we do, I think it's important to bring ecology into the world of art."



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Academic training

Doctoral Programme (PhD) - University of Vienna, A
February 2023 - ongoing

Birds, bats and related ecosystem services in a European land use context:
linking conservation evidence, agricultural practices and socio-ecological
perspectives

Certificate for leading mist nettings on bats in study area*

Master's Programme Ecology - University of Bremen, DE
October 2019 – October 2022

Thesis: Effects of large-scale forest fires on the activity and habitat selection
of insular bats (Prof. Dr. Marko Rohlf; Dr. Ricardo Rocha) - *Thesis grade: 1.11*

Erasmus+ Internship - CiBio, Research Centre in Biodiversity and Genetic
Resources, Vairão, PT

June 2021 - March 2022

Certified bat mist netting experience and identification*

Laboratory Internship in Entomology and Forest Conservation - Albert-
Ludwig University Freiburg, DE

January 2021 - March 2021

Research project: Screening interaction between microorganism associated to
the ambrosia beetle *Xyleborinus saxesenii*

Bachelor of Forestry and Environment - Albert-Ludwig University Freiburg, DE
October 2013 - March 2018 (Minor: International forestry)

Thesis: The frequency of social calls of the bat genus *Pipistrellus* in relation to
forest structures and temperature (Prof. Dr. Ilse Storch; PhD Marlotte Jonker)

Certified bat mist netting and identification*

Semester Abroad - University Austral de Chile, Valdivia, CL

September 2016 - March 2017

Research project: Insects as bioindicators

Languages

German: nativ

Italian: nativ

English: C1.2 certified*

Spanish: B2.1 certified*

Latin: Latinum (Abitur)

Skills

Supervision:

Co-Supervision of 2 Master
Students (2024)*

2 Internships on bat
monitoring (2023, 2024)*

EDP / IT:

MS Office (Word, Power-Point,
Excel, Database)

R / Rstudio

Bat Explorer / bcAdmin /
Kaleidoscope (certified*)

Ableton / Audacity / Reaper
ArcGis / QGIS / Basecamp

Sensory devices:

Batlogger (Elecon) /

Batcorder / AudioMoth /

SM mini bat (WildlifeAcoustics)

Other:

University teaching
qualification (2024)*

Chainsaw license (2014)*

Class B driving license (2010)*

Scientific employment

Lecturer, University of Vienna, AT

Teaching: 300032 UE Bat Monitoring and Methods (2025S) (Master Level)
March 2025 - ongoing

Pro Bono Consultant, Landesbund für Vogelschutz (LBV) - Bat Parcs Munich;

DE - methodology bat monitoring, bioacoustic data analysis
April 2024 – March 2025

Research Stay “Co-producing biodiversity-friendly management practices to advance ecosystem services provided by agroforestry systems”, Central Sulawesi, Indonesia

Lead: Bioacoustic monitoring and analysis, bat mist netting and identification
01.01.-31.01.2024 / 12.02.-04.03.2025

Research Assistant, FWF Project ECO-OLIVES - University of Vienna, AT

Bioacoustics, Bats and Birds, analysis and reports
1 August - 1 November 2023

Landscape planning company; Dipl.- Forstw. H.-J. Zurmöhle, Waldkirch, DE

Focus: Bats, Birds, and Amphibian management, Nature conservation reports
April 2019 - July 2019

Research Assistant - ConFoBi (Conservation of Forest Biodiversity in Multiple-Use Landscapes of Central Europe), University, Freiburg, DE

Project B5 "Bats and forest structures"
Bioacoustics monitoring, mist netting assistance, analysis and reports.
October 2018 - December 2018

Scientific Talks

16th European Bat Research Symposium, Tarragona, ES

Conference abstract and Presentation: Winter bat activity and habitat effects in a changing climate: A case study from Tuscany, Italy
17-21 May 2024

7th European Congress of Conservation Biology, Bologna, IT

Excursion Organization: “Bat night” 18. + 19. May 2024
Conference abstract and Presentation: Can olive groves support bat conservation during winter? A Case Study on Climate-Influenced Winter Bat Activity and Habitat Interactions in Tuscany, Italy
17-21 May 2024

Funding and Grants

2023 Prof. Bingel Stipendium der DAAD-Stiftung*

2023 TRUST! Science Communication Austrian Academy of Sciences (ÖAW) and FÄKT*

2023 Short-term grant abroad (KWA) University of Vienna*

2022 Co-Author FWF - Fond SOUNDS WILD (WKP 193)*

Memberships

Italian Association for the Study and Conservation of Bats (CIRG), since 2024

Society for Conservation Biology (SCB), Italy, since 2024

KFFÖ – Coordination Office for Bat Conservation in Austria, since 2023

British Ecological Society (BES), since 2021

Awards

2025 Best Science Communication Abstract ECR
Finalist (Top 8)

2024 Photo contest EBRS
Finalist (Top 20)

2021 Modul "Insect Ecology" - Prof. Dr Marko Rohlf

2016 Modul “Bat Monitoring” - Dr. Geva Peerenboom | Certified bat mist-netting and identification

Scientific Talks (continued)

10th Workshop of IOBC/WPRS “Landscape Management for functional Biodiversity” at Scuola Superiore Sant’Anna, Pisa, IT

Conference abstract and Presentation: Can olive groves support bat conservation during winter? A case study from Tuscany, IT
20-22 March 2024

4th Conference of the Society of Island Biology, Lipari, IT

Conference abstract and Presentation: Effects of large-scale forest fires on island bats
2-7 July 2023

Mit allen Sinnen: Biodiversität sehen, hören, riechen. Aisthetiken der Vielfalt, Rhöniversum, Umweltbildungsstätte Oberelsbach, DE

Presentation and interdisciplinary Workshop: Bats, bioacoustics and sonic art
11 - 13 May 2023

2nd International Bat Research Online Symposium (IBROS), Berlin, DE

Conference abstract and Presentation: Acoustic behavior in bats: Patterns and characteristics of *P. Maderensis* social calls
24 -25 January 2023

Student Conference on Conservation Science, Cambridge, UK

Conference poster: Island bats and forest fires
29 - 31 March 2022

Other relevant qualifications (selected)

For press articles and evidence/links see my website rym-nouioua.com

Leading and Organization of FWF Science Communication Project SOUNDS WILD – University of Vienna, AT

School Workshops and PR on Bats, Birds and Ecosystem services
February 2023 – 2025

Identification of hibernating bats in Natura 2000 site "Nietoperek" - 21st,

22nd, 24th International Winter Bat Census, Lubrza, PL (Certified*)
January of 2022, 2023 and 2025

Assistant for Production and Research - HG-Medien for Riffreporter, Berlin, DE; Science Journalism (Phosphorama)

January 2021 - June 2021

TEDx Freiburg, DE - TEDx Talk "I'm listening to bats. Professionally. Here is what I learned"

November 2019

Volunteering

Bat sanctuary, Vienna, Austria; AT
2024 – ongoing

Schönberg School Youth Welfare Service, Freiburg e.V, Freiburg, DE;

Tutor, supervision
2017 - 2019

Tier - Natur – Erlebnispark

Mundenhof, Freiburg, DE;

Internship in nature education and animal care
June 2017 - September 2017

Kompaz Festival, Playa de las

Docas, Chile

Beach Clean-Up Project; clean environment
2016 - 2017

Initiative "Denkmal... in Farbe",

Freiburg, DE;

Art project for integration and intercultural exchange
2015 - 2016

Lebenshilfe Breisgau e.V., Diakonie Müllheim e.V., DE;

Personal assistance, care, (children with severe multiple disability and children with Kanner Autism)
2010 – 2016

Ecological Farm, Deeral, QLD,

Australia; Volunteer Farming
2012 - 2013

Publication List

Nouioua, R. et al. (2025). Warming winters disrupt bat activity and hibernation in Mediterranean olive agroecosystems. *Agriculture, Ecosystems & Environment* (Under revision in *Global Ecology and Conservation*). *Role: Leading Author*

El-Khaled, Y. (2025). Comparative assessment of invertebrate biodiversity in two common Mediterranean algae habitats. (Under revision in *Frontiers in Marine Science*). *Role: Formal analysis (supporting), Writing - review & editing (equal contribution)*

Dornelas, M., et al. (2024). BioTIME 2.0: Expanding and improving a database of biodiversity time series. *Global Ecology and Biogeography* (Accepted 24.01.2025 in *Global Ecology and Biogeography*). *Role: Data curation*

Darras, K., Nouioua, R., et al. (2024). Worldwide soundscapes: A synthesis of passive acoustic monitoring across realms. *Global Ecology and Biogeography*, 34, e70021. <https://doi.org/10.1111/geb.70021> (Preprint available: <https://doi.org/10.1101/2024.04.10.588860>) *Role: Data curation, Writing - review & editing*

Nouioua, R. et al. (2024). Social calls characterisation of the island-restricted Madeiran Pipistrelle (*Pipistrellus maderensis*). *Journal of Bat Research & Conservation*, 17(1), 65–74. <https://doi.org/10.14709/BarbJ.17.1.2024.07>

Darras, K., Nouioua, R., et al. (2023). ecoSound-web: An open-source, online platform for ecoacoustics. *Role: Data curation and dataset contribution*. Project contributions:

- ▶ Madeira – https://ecosound-web.de/ecosound_web/collection/show/425
- ▶ ECO-OLIVES – https://ecosound-web.de/ecosound_web/collection/show/140

Thesis

Master Thesis: Nouioua et al. (2022) Effects of large-scale forest fires on insular bats. *ResearchGate*, DOI [10.13140/RG.2.2.28679.00167](https://doi.org/10.13140/RG.2.2.28679.00167)

Bachelor Thesis: Nouioua et al. (2018) Die Häufigkeit von social calls der Gattung *Pipistrellus* in Relation zu Waldstrukturen und Temperatur. *ResearchGate*, DOI [10.13140/RG.2.2.32034.44484](https://doi.org/10.13140/RG.2.2.32034.44484)

Acknowledged contributions

Nóbrega et al. (2023) Nobrega Insights into the habitat associations, phylogeny, and diet of *Pipistrellus maderensis* in Porto Santo, northeastern Macaronesia. *See Acknowledgements*. *Role: Support on the acoustic analysis* (*Web Ecology*, 23(1), 87–100. DOI: [10.5194/we-23-87-2023](https://doi.org/10.5194/we-23-87-2023))

Bertsch (2023) *Scolia hirta* (Schrank, 1781) neu in Südwestdeutschland und der Nordschweiz (*Hymenoptera: Scoliidae*). *Role: Includes documentation and identification of a Scolia hirta specimen at Breisach am Rhein on July 11, 2020, by Rym Nouioua* (*Ampulex*, 14, 50–54. ISSN: 2190-3700)

* I am happy to provide you with any further information and listed certificates on request.