



Mélanie Thierry

PhD student in Community Ecology

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Date of birth: 11/06/1991
in Montpellier, FRANCE

Driving License (2009)

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Languages

French: native

English: fluent (TOFEL B2)

Spanish: intermediate
(Volunteering 8 months in Latin America)

Education

MSc in Ecology and biodiversity management (2015)
Aix-Marseille University, FRANCE

BSc in Ecology and biology of Organisms (2013)
Montpellier 2 University, FRANCE
and Bishop's University, CANADA (CREPUQ exchange)

Scientific skills

Animal capture and rearing
Laboratory and field experiments
Molecular methods
Statistical analysis (R, CANOCO)
GIS (ArcGis, QGIS)

Hobbies



Professional experiences

Since March 2017: PhD thesis

Mechanisms structuring and stabilizing host-parasitoid networks, University of South Bohemia and Biology Centre CAS, CZECH REPUBLIC

(Supervisors: Dr Jan HRCEK, Biology Centre CAS and Pr. Owen LEWIS, University of Oxford)

- Collection of live insects in AUSTRALIA (August 2017 to March 2018, collaborator: Dr Megan HIGGIE, JCU)
- Maintenance of the system in laboratory, experiments *in situ* and in laboratory, molecular detection
- Collaboration with Pr. Ulrich BROSE, iDiv, GERMANY (Erasmus traineeship from October to December 2020)

August 2016 - Feb 2017: Civic volunteer service

Dragonflies as indicators of wetlands quality, Estuaire, FRANCE

- Species inventory, mapping (GIS), data analysis and report for the region
- Citizen science project development, partner search and application for funding

Feb - June 2016: Volunteer research project

Effect of reforestation on bird communities in cloud forests, Cloudbridge, COSTA RICA

- Diurnal and nocturnal bird monitoring
- Habitat mapping (GIS), data analysis, redaction of a report for the reserve

Feb - August 2015: MSc thesis

Effect of local and landscape factors on butterfly communities (DIVA 3 Levana project), The French National Institute for Agricultural Research (INRA), FRANCE

(Supervisors: Dr Marie-Lise BENOT, Bordeaux University and Dr Inge VAN HALDER, INRA)

- Statistical analysis and scientific report for the project
- Floristic data collection *in situ*

Jan - August 2014: MSc project

Creation of an identification key for the ladybugs, Nature Midi-Pyrénées, FRANCE

June 2013: Volunteer internship

Monitoring of the Caroux Espinouse's Bighorn sheep population, The French National Hunting and Wildlife Agency, FRANCE

June - July 2012: Volunteer internship

Monitoring of viviparous lizard populations and their dispersal, The French National Center for Scientific Research of Moulis, FRANCE (Supervisor: Dr Virginie STEVENS)

Scientific production

Thierry M., Pardikes N., Lue C-H., Lewis O. & Hrcek, J. (2021). Experimental warming influences species abundances in a *Drosophila* host community through direct effects on species performance rather than altered competition and parasitism. *Plos one* 16 (2), e0245029. DOI: [10.1371/journal.pone.0245029](https://doi.org/10.1371/journal.pone.0245029)

Lue CH., Buffington ML., ... Thierry M., ... & Hrcek, J. (2021). DROP: Molecular voucher database for identification of *Drosophila* parasitoids. Submitted in *Molecular Ecology Resources*. DOI: [10.1101/2021.02.09.430471](https://doi.org/10.1101/2021.02.09.430471)

Thierry M., Hrcek J. & Lewis O. (2019). Mechanisms structuring host-parasitoid networks in a global warming context: a review. *Ecological Entomology*. DOI: [10.1111/een.12750](https://doi.org/10.1111/een.12750)

Van Halder I., Thierry M., ... & Benot, M. L. (2017). Trait-driven responses of grassland butterflies to habitat quality and matrix composition in mosaic agricultural landscapes. *Insect Conservation and Diversity*, 10(1), 64-77. DOI: [10.1111/icad.12200](https://doi.org/10.1111/icad.12200)

Mercier O., ... Thierry M., ... Leriche, A. & Million A. (2017). Pilot study for the establishment of a monitoring protocol for the European Leaf-toed Gecko (*Euleptes europaea*) on the Port-Cros Island. *Scientific Report Port-Cros national Park*, 31: 189-211.

Grants

BC Grant programme 2021 Sub-program conference. Budget awarded: 41 105 CZK

Principal investigator on GAJU grant n°04-134/2019/P: *Is the stabilizing effect of parasitoids on host-parasitoid networks reduced under global warming scenarios?* Budget awarded: 129 000 CZK, 1-year-project for 2019.