Aymeric **Oliveira-Xavier**

PhD Candidate

Université de Sherbrooke, Canada

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Education

PhD. Candidate, Ecology
Sherbrooke, Canada

UNIVERSITÉ DE SHERBROOKE
Sep. 2018 - Present

- Influence of the landscape on birds and bats communities in agroforestry cocoa plantations in the Zoque region, Mexico
- Community ecology | Landscape ecology | Predator-prey interactions | Metapopulation theory | Biodiversity modeling

Master, Integrative biology
Tours, France

UNIVERSITÉ DE TOURS
Sep. 2014 - Nov. 2016

- Behavioral ecology, evolution and biodiversity

BSc, Biology
Tours, France

UNIVERSITÉ DE TOURS
Sep. 2011 - Jun. 2014

- Biodiversity, ecology and evolution

Experience

Research assistant
Sherbrooke, Canada

UNIVERSITÉ DE SHERBROOKE
Jan. 2021 - Present

- Bioacoustic analysis | Complex statistical analysis | Modeling of ecological communities

Teaching assistant
Sherbrooke, Canada

UNIVERSITÉ DE SHERBROOKE
Sep. 2018 - Present

R / Shiny developer and data analyst
Québec, Canada

MINISTÈRE DES FORÊTS, DE LA FAUNE ET DES PARCS
Jun. 2022 - Aug. 2022

- Shiny app programming for managers to gather the databases of the MFFP bat project
- Analysis of demographic trends of bat populations in the province of Québec

Research assistant
Montréal, Canada

MCGILL UNIVERSITY
Mar. 2019

- Supervision of participatory workshops as part of the QCBS Chair in Conservation

Employee at équipe verte de l'Université de Sherbrooke
Sherbrooke, Canada

UNIVERSITÉ DE SHERBROOKE
Sep. 2020 - Dec. 2020

- Organize and work towards the implementation and application of the UdS policy concerning ecology and sustainable development

Falconer
Hommes, France

CRC FAUCONNERIE
2014 - 2017

- Educational intervention | Handling and care of raptors | Travelling show

Training

Biodiversity modeling, summer school
Orford, Canada

BIOS² | UNIVERSITÉ DE SHERBROOKE
Aug. 2019

- Theory and practice on different biodiversity modeling techniques
- Statistics | Differential equations | Stochastic simulations | Climate change models | Uncertainty tracking

Biodiversity changes and data visualization, summer school
Orford, Canada

BIOS² | UNIVERSITÉ DE SHERBROOKE
Aug. 2020

- Develop analytical pipelines from open data
- Efficient design conceptualization
- Building interactive web interface with ShinyR
- Essential Biodiversity Variables (EBVs) | Indicators of biodiversity changes

QCBS R Symposium
Gault Nature Reserve, Canada

QCBS
Oct. 2019

- Effective and reproducible science| Community modeling | Programming | Rmarkdown | Github

Microprogram in sustainable development *Tours, France*

Université de Tours *2014*

- Threatened species and biodiversity | Waste management | Biodiversity and urbanization

Google digital marketing certification *Chambray-les-Tours, France*

Google Digital Active Tours *Mar. 2018*

- Analytics and data insights | Business strategy | Content marketing | Email marketing | SEM | SEO | Social media | Web optimisation

Skills

- **Data analysis & programming** R | RMarkdown | LaTeX | ShinyApp | Figma

- **Languages** French (Native) | English (Professional) | Spanish (Professional)

- **Bioacoustic analysis** Kaleidoscope Pro | Audition

- **Geospatial analysis** QGIS | Fragstats

- **Other softwares** Office suite | Photoshop | Premiere Pro

Extracurriculum activity

BIOS² communication committee *Sherbrooke, Canada*

BIOS² *2021 - 2022*

- Create and manage the distribution of the BIOS² program newsletters and the diffusion of information related to the program on social networks

QCBS student member *Montréal, Canada*

QCBS *Sep. 2019 - Present*

SEPANT member *Chambray-lès-Tours, France*

SEPANT *2016 - Present*

- Realization of wildlife inventories and scientific vulgarization workshops

IUAF member *Praha-Suchdol, Czech Republic*

International Union for Agroforestry *2022 - Present*

UdS Climate Change and Environment Student Circle *Sherbrooke, Canada*

Université de Sherbrooke *2020 - Present*

- Reflections and discussions around current and future UdS environmental policies and prospects for improvements

Grants & fundings

BIOS² Fellows Program *2022*

10 500 $

BIOS² Fellows Program *2021*

10 500 $

BIOS² grant for mobility and communication *Aug. 2022*

2 000 $

MEES grant *Jan. 2021*

5 000 $

Idea Wild grant *Mar. 2020*

760 $

Honors & awards

Excellence award, QCBS *2023*

1 500 $

Environmental Excellence award *2022*

the Eastern Townships of Quebec Gala of
Excellence

• for my participation at équipe verte de l'Université de Sherbrooke

Excellence award, QCBS *2022*

2 000 $

Excellence award, QCBS *2021*

2 000 $

Presentation

Influencia de la presencia y del mantenimienbto de las comunidades de aves y murcielagos en los agroforestales de cacao de la region Zoque | Presentation *Nov. 2022*

11° Festival del Chocolate *Villahermosa, Mexico*

The land blending strategy to move forward the land sparing-sharing debate: a theoritical modeling approach | Poster *Jul. 2022*

5th World Congress on Agroforestry *Québec, Canada*

Considering the land blending strategy to move beyond the land sparing-sharing debate: the contribution of theoretical modelling | Presentation *Aug. 2022*

Ecological Society of America Annual Meeting *Montréal, Canada*

La influencia del contexto paisajístico en la diversidad de aves y murciélagos forestales en los cacaotales de la zona Zoque, México | Presentation *Apr. 2022*

Universidad Juárez Autónoma de Tabasco *Villahermosa, Mexico*

Publications

1. San-Jose, L. M., Séchaud, R., Schalcher, K., Judes, C., Questiaux, A., Oliveira-Xavier, A., Gémard, C., Almasi, B., Béziers, P., Kelber, A., Amar, A., & Roulin, A. (2019). Differential fitness effects of moonlight on plumage colour morphs in barn owls. *Nature Ecology & Evolution*, *3*(9), 1331–1340. `https://doi.org/10.1038/s41559-019-0967-2`