Kevin Cazelles

Theoretical ecologist

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⌕ KevCaz

French: mother tong
English: fluency
Portugese: fluency
German: beginner
Chinese: beginner

Scientific Programming

■■■■■ R   ■□□□□ Julia
■■■■□ C/C++   ■□□□□ Java
■■■□□ Matlab   ■■■□□ HTML/CSS
■■□□□ Sage   ■■■■□ Markdown
■■□□□ Bash   ■■□□□ PostgreSQL
■□□□□ Python

Document Preparation

■■■■□ Latex   ■■■■□ Microsoft Office Suite
■■■■□ Beamer   ■■■■□ LibreOffice Suite
■■■■□ Remark
■■□□□ Inkscape

Experience

2011–	Laboratório de Ecologia Evolutiva e Biodiversidade, Universidade Federal de Minas Gerais *Six months' training period, working on herbaceous plant communities in Cerrado: phenology and germination.* Belo Horizonte, Brazil
2010	SIMBIOS Centre, Abertay University *Six months' training period, working on modelling fungal growth dynamics in a realistic soil environment.* Dundee, United Kingdom
2009	Laboratoire Ecologie et Evolution, Ecole Normale Supérieure *Research Professional, working on wavelets: statistical testing, code in C and application to time series of dengue in Southern Asia.*

Education

2012-	Phd Thesis. Integration of ecological interaction in species distributon mdoel *UQAR / ISEM ; Rimouski, Québec, Canada /Montpellier, France Université du Québec à Rimouski*
2008–2012	B.Sc. Biologie *AgroParisTech, Paris, France* **Diploma of Agronomy Engineer and Master degree in Ecology**

Grants

2011	Modélisation de la complexité de la Forêt, UQAM (10,000$)
2011	Modélisation de la complexité de la Forêt, UQAM (10,000$)
2015-2016	Bourse Frontence, Quebec (6,000$/year)

Articles published in peer-reviewed journal

1. **Cazelles K**., Araújo M., Mouquet N., Gravel D., 2016. A theory for species co-occurrence in inter-action networks. *Theoretical Ecology*, 9(1):39-48.
   http://link.springer.com/10.1007/s12080-015-0281-9

2. **Cazelles K**., Mouquet N., Mouillot D., Gravel D., 2015. On the integration of biotic interaction and environmental constraints at the biogeographical scale. *Ecography*, (October):n/a-n/a.
   http://doi.wiley.com/10.1111/ecog.01714

3. Poisot T., Cirtwill A., **Cazelles K**., Gravel D., Fortin M., Stouffer D., 2016. The structure of proba-bilistic networks. *Methods in Ecology and Evolution*, 7(3):303-312.
   http://biorxiv.org/lookup/doi/10.1101/016485 http://doi.wiley.com/10.1111/2041-210X.12468

4. Le Stradic S., Silveira F., Buisson E., **Cazelles K**., Carvalho V., Fernandes G., 2015. Diversity of germination strategies and seed dormancy in herbaceous species of campo rupestre grasslands. *Austral Ecology*, 40(5):537-546.
   http://doi.wiley.com/10.1111/aec.12221

5. **Cazelles B**., **Cazelles K**., Chavez M., 2013. Wavelet analysis in ecology and epidemiology: impact of statistical tests. *Journal of The Royal Society Interface*, 11(91):20130585-20130585.
   http://rsif.royalsocietypublishing.org/cgi/doi/10.1098/rsif.2013.0585

6. **Cazelles K**., Otten W., Baveye P., Falconer R., 2013. Soil fungal dynamics: Parameterisation and sensitivity analysis of modelled physiological processes, soil architecture and carbon distribution. *Ecological Modelling*, 248():165-173.
   http://linkinghub.elsevier.com/retrieve/pii/S030438001200419X

Science popularization

1. **Cazelles K**., 2014. La Biodiversité en territoire isolée. *Accromath*.

Reviewer for the following peer-reviewed journals:

Ecography, *Ecology Letters*, *Global Ecology and Biogeography*, *Proceedings of the Royal Society B*, *Theoretical Ecology*.