

## Address

1706, Av. de Maurin  
34070 Montpellier

## Tel & Skype

+336 98 82 75 67  
alain-danet

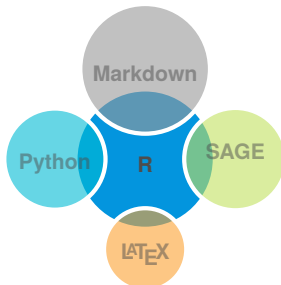
## Mail

alain.danet@  
umontpellier.fr

## Web & Git

alaindanet.github.io  
github.com/alaindanet

## Programming



## Scientific skills



# Alain Danet

## Community Ecologist

## Experience

- 10/14 - 11/17 **PhD** [ISEM/AMAP, University of Montpellier, Montpellier, France](#)  
Plant-Plant interactions at the community level: an experimental approach in Bolivia and Spain. *Skills: theoretical modeling, field work, statistics.*
- 09/14 - 09/14 **Engineer** [CEFE, Montpellier, France](#)  
Influence of micro-topography and micro-climate variabilities on the spatial distribution of the chestnut trees in the Cevennes. *Skill: spatial statistics.*
- 01/14 - 05/14 **Intern** [ISEM, Montpellier, France](#)  
Conjugated effects of indirect and direct facilitation on the stability of a dryland along grazing and stress gradients. *Skill: theoretical modeling.*
- 07/13 - 08/13 **Assistant Engineer** [CEFE, Montpellier, France](#)  
Spatial and temporal variabilities of drought indices across Tunisia. *Skills: spatial statistics and modeling.*
- 03/13 - 05/13 **Intern** [CEFE, Montpellier, France / IRD, Tunis, Tunisia](#)  
Spatial and temporal variabilities of drought indices across Tunisia. *Skills: spatial statistics and modeling.*
- 06/11 - 08/11 **Intern** [CBNB, Brest, France](#)  
Updating the status and threats of the *Lithodora prostrata* populations in Presqu'île of Crozon. *Skills: field work.*
- 06/10 - 08/10 **Intern** [INRA/FN3PT, Ploudaniel, France](#)  
Phenotypic assessment of the resistance of two segregating *Solanum tuberosum* families to *Phytophthora infestans*. *Skills: field work, statistics.*

## Education

- 2014 - 2017 **PhD in Biodiversity & Ecology** [University of Montpellier, Montpellier, France](#)  
Supervised by Fabien Anthelme & Sonia Kéfi
- 2012 - 2014 **Master's Degree in Evolutionary Biology & Ecology** [University of Montpellier, Montpellier, France](#)  
with honors, ranks: S1: 3/17; S2: 1/17, S3: 13/17, S4: 4/17
- 2012 **International Exchange, CREPUQ program** [Université du Québec à Rimouski, Rimouski, Québec, Canada](#)
- 2009 - 2012 **Bachelor's Degree in Population Biology** [University of Western Brittany, Brest, France](#)  
with honors
- 2006 - 2009 **Scientific Diploma** [Lycée Fulgence Bienvenüe, Loudéac, France](#)  
with distinction

## Languages

French ★★★★★  
English ★★★★★  
Spanish ★★★★★

## Hobbies

Meditation  
Running  
Botany  
Hiking

## Award

2014

PhD scholarship

[French Ministry of Research & Higher Education](#)

Highly competitive 3 years grant (Success rate: 10%)

## Publications

Danet, A., Anthelme, F., Gross, N., & Kéfi, S. (In press). **Effects of indirect facilitation on functional diversity, dominance and niche differentiation in tropical alpine communities** *Journal of Vegetation Science*. [Link](#)

Génin, A., Majumder, S., Sankaran, S., Danet, A., Guttal, V., Schneider, F. D., & Kéfi, S. (In press). **Monitoring ecosystem degradation using spatial data and the R package *spatialwarnings*** *Methods in Ecology and Evolution*. [Link](#)

Génin, A., Majumder, S., Sankaran, S., Schneider, F. D., Danet, A., Berdugo, M., Guttal, V., & Kéfi, S. (2018). **Spatially heterogeneous stressors can alter the performance of indicators of regime shifts** *Ecological Indicators*. [Link](#)

Danet, A., Kéfi, S., Meneses, R. I., & Anthelme, F. (2017). **Nurse species and indirect facilitation through grazing drive plant community functional traits in tropical alpine peatlands** *Ecology and Evolution*, 7 (24), 11265–11276. [Link](#)

Schneider, R., Bégin, J., Danet, A. & Doucet, R. (2013). **Effect of selective precommercial thinning on balsam fir stand yield and structure** *The Forestry Chronicle*, 89 (6), 759–768. [Link](#)

## Talks

A Danet, F Anthelme, N Gross & S Kéfi (2017). **Effects of indirect facilitation on functional diversity, dominance and niche differentiation in tropical alpine communities** *Ecology Across Borders: BES Joint Annual Meeting, Ghent, Belgium*. [Slides](#).

A Danet, F Schneider & S Kéfi (2018). **Effects of indirect facilitation on a dryland ecosystem** *Models in Ecology & Evolution, Montpellier, France*. [Slides](#).

## Teaching

Bachelor deg.	<b>General Biology</b> <i>Cellular Biology, Physiology, Histology, Ecology</i>	Assistant
Bachelor deg.	<b>Statistics</b> <i>Descriptive Statistics, Protocol Design</i>	Assistant
Master deg.	<b>Theoretical Ecology</b> <i>Modeling, Solving classic ecological models</i>	Assistant
Master deg.	<b>Scientific controversies</b> <i>Analysis of a scientific controversy.</i>	Tutor
Master deg.	<b>Statistics</b> <i>How to deal with scarce data? Randomization &amp; permutations</i>	Speaker

## Students' supervision

2016	<b>Arturo Perona</b> <i>Effect of sapling species and sapling community diversity on sapling-nurse interactions: insight from early survival. Supervision: 40%. Co-Supervisor: Susana Bautista</i>	Undergraduate, University of Alicante, Spain
2016	<b>Andrés Sáez</b> <i>Effect of sapling species and sapling community diversity on sapling-nurse interactions: insight from phenology. Supervision: 40%. Co-Supervisor: Susana Bautista</i>	Graduate, University of Alicante, Spain

## Event organisation

2016	<b>Models in Ecology &amp; Evolution</b> <i>Conference organized each year by PhD students. Funding: LaBeX CeMeB &amp; PhD school GAIA. Link</i>	Montpellier, France
------	---	---------------------

## Professional references

1.	<b>Sonia Kéfi</b> sonia.kefi@umontpellier.fr	PhD supervisor
2.	<b>Fabien Anthelme</b> fabien.anthelme@ird.fr	PhD supervisor
3.	<b>Florent Mouillot</b> florent.mouillot@ird.fr	Intern supervisor and former employer