



## Jérémie SOUCHET

22/08/1990 (27 years old)

French nationality

License B (obtained in 2008)

+ 33 (0)6.31.84.31.58 (GMT +1)

jeremie.souchet@gmail.com

Skype : jeremie.souchet

<http://jeremie-souchet.jimdo.com>

Member of **Ad Naturam**

<https://adnaturam.org/>

## Compétences

### Languages

French : Maternal language

English: Good knowledge

### Softwares

GIS software (ArcGis), MS Office, R et Rstudio, Tracker, Zotéro

### Techniques

General herpetology, Biometric measurements, blood sampling, breeding and dissections on reptiles and amphibians, DNA sampling, monitoring by CMR, group and work team management, popular sciences

## References

### Xavier Bonnet

xavier.bonnet@cebc.cnrs.fr

### Fabien Aubret

fabien.aubret@sete.cnrs.fr

### Stéphane Lecq

stephane.lecq@gmail.com

### Olivier Lourdais

olivier.lourdais@cebc.cnrs.fr

## Scientific and educational experiences

### 2016 PhD student in Ecology - Plasticity and Ecophysiology (in progress)

SETE – CNRS de Moulis UMR 5321 - Moulis, France

- Altitudinal colonization and adaptability to hypoxia in reptiles

### 2016 Research assistant - Evolutionary Ecophysiology

CEBC - CNRS de Chizé UMR 7372 - Villiers-en-Bois, France (4 months)

- Management and care of animals (Reptiles and Birds)
- Participation in the creation of protocols and assistance to experiments
- Students supervision

### 2016 Volunteering - Phenotypic plasticity

SETE - CNRS de Moulis UMR 5321 - Moulis, France (3 months)

- Altitudinal colonization and adaptability to hypoxia in reptiles
- Capture, maintenance in breeding and incubation of the eggs of reptiles

### 2016 Volunteering - Evolutionary Ecophysiology

CEBC - CNRS de Chizé UMR 7372 - Villiers-en-Bois, France (1 month)

- Training interns in handling and biometric measurements
- Snake populations tracking

### 2016 Substitute Biology teacher in High school - Teaching

Private high school Notre-Dame - Fontenay le comte, France (2 weeks)

- Course preparation, teaching and class management

### 2015 Substitute Biology teacher in Middle school - Teaching

Private middle school Antoine de Saint Exupéry - Pouzauges, France (2 weeks)

- Course preparation, teaching and class management

### 2015 Internship of Master 2 - Socio Evolutive Ecology

SETE - CNRS de Moulis UMR 5321 - Moulis, France (8 months)

- Identify the role of aposematic signaling in children's fear of snakes

### 2014 DU internship - Hedgerow Conservation

CEBC - CNRS de Chizé UMR 7372 / ONCFS de Chizé - Villiers-en-Bois, France (4.5 months)

- Common frog habitat use in post-breeding period (*Rana temporaria*) by GIS analysis
- DNA sampling of newt

### 2013 Internship of Master 1 - Evolutionary Ecophysiology

CEBC - CNRS de Chizé UMR 7372 - Villiers-en-Bois, France (5 months)

- Influence of the environment and impacts of anthropization on snake populations
- Snake populations tracking

### 2012 Bachelor's degree internship - Evolutionary Ecophysiology

CEBC - CNRS de Chizé UMR 7372 - Villiers-en-Bois, France (3 months)

- Snake populations tracking

## Formations

### 2017 Training on the use of animals for scientific purposes on non-hosted wildlife - Designer level MNHN – ONCFS - CNRS

- Training in ethical responsibility for the use of wild animals
- 3R Concept: Replace - Reduce - Refine
- Regulation of the use of wildlife for scientific purposes

### 2015 Master Biology, Ecology, Evolution - (honors - 4th/13th)

Faculty of Fundamental and Applied Sciences, University of Poitiers

- Evolutionary Strategies, Symbiotic Systems, Evolutionary Genetics, GIS and Statistics

### 2014 GIS University Diploma - (honors)

Department of Geography, University of Poitiers

- GIS Mapping, Spatial Analysis, Statistical Analysis

## Publications

- Trochet, A., Dupoué, A., **Souchet, J.**, Bertrand, R., Deluen, M., Murarasu, S., Calvez, O., Martinez-Silvestre, A., Verdaguer-Foz, I., Darnet, E., Le Chevalier, H., Mossoll-Torres, M., Guillaume, O. & Aubret, F. **Variation of preferred body temperatures along an altitudinal gradient: a multi-species study**. *Journal of Thermal Biology* 77, p.38-44. (2018)
- Cordero, G. A., Andersson, B. A., **Souchet, J.**, Micheli, G., Noble, D. W. A., Gangloff, E. J., Uller, T. & Aubret, F. **Physiological plasticity in lizard embryos exposed to high-altitude hypoxia**. *Journal of Experimental Zoology part A: Ecological and Integrative Physiology*, 1 0.1002/jez.2115 (2017)
- Aubret F., Bignon F., Bouffet-Halle A., Blavillain G., Kok P. J. R. & **Souchet J.** **Yolk removal generates hatching asynchrony in snake eggs**. *Scientific reports* 7, Article number: 3041 (2017)
- **Souchet J.** & Aubret F. **Revisiting the fear of snake in human: the role of aposematic signals**. *Scientific Reports* 6, Article number: 37619 (2016)
- Bonnet X., Lecq, S., Lassay JL., Ballouard JM., Barbraud C., **Souchet J.**, Mullin S.J. & Provost G. **Forest management bolsters native snake populations in urban park**. *Biological Conservation* 193, p.1-8 (2016)

## Posters

- Trochet A., Guillaume O., Calvez O., Clobert J., Perrin C., Bousquet M., Bertrand R., **Souchet J.**, Barthe L., Pottier G., Altimir A., Mossoll-Torres M., Madrenys E., Martinez-Silvestre A. & Aubret F. *Interreg Poctefa Ectopyr project*. 44th congress of Herpetological Society of France in Namur (2016)
- **Souchet J.**, Micheli G., Bossu C. & Aubret F. *Altitudinal colonisation and adaptability to hypoxia: an ignored strain of climate change on biodiversity*. 44th congress of Herpetological Society of France in Namur (2016)
- **Souchet J.**, Sarraude T. & Aubret F. *Danger signal perception in children: examples of animals' aposematic signals*. 43th congress of Herpetological Society of France in Toulouse (2015)

## Conférences

- **Souchet, J.** *Altitudinal colonization and adaptability to hypoxia at Reptiles*. 13th Ecology and Behaviour meeting in Chizé (2017)
- **Souchet, J.** *Altitudinal colonization and adaptability to hypoxia at Reptiles*. DiPEE Midi-Pyrénées day, Transdisciplinary meeting of seven laboratories on the theme: "Behavior and Environment" in Toulouse (2016)
- **Souchet, J.**, Chevalier T., Lecq S., Provost G. & Bonnet X. *Monitoring snake populations in forest Chizé - Extension to site of Le Mans*. 29th Menigoute Festival: 8th National Meeting on Amphibians and Reptiles Conservation in Menigoute (2013)
- Bonnet X., Lecq S., Provost G., Chevalier T., **Souchet J.**, Thiburce C., Jay M. & Ballouard JM. *Review of one of the most important systems deployed in Europe for the monitoring and conservation of snake populations*. 41th Congress of the Herpetological Society of France in Bordeaux (2013)

## Popular sciences

- Short movies: The guardians of the mountain. Produced by the project Poctefa Ectopyr (2018)
- Video clip: *Share Your Science, the Ecophysiology with Jérémie Souchet*. By Aurélien Prudor, during the 13th Ecology and Behaviour meeting in Chizé (2017)
- Radio: *Global warming and biodiversity*. With Audrey Trochet for the radio emission "De la puce à l'oreille" for the Ariège Naturalists Association (2017)
- Conference: *Prejudice to Science; The reptiles of France*. For the associations Ad Naturam & Aude au Nat' (2017)
- Conference: *Impacts of global warming on the fauna of the Pyrenees*. With Audrey Trochet for the Ariège Naturalists Association in part of the ANA's Wednesdays (2017)
- Press article: *Moulis tests the adaptability of reptiles at the Pic du Midi de Bigorre*. The Dépêche du Midi of August 9, 2016 (2016)
- Press article: *Jérémie, The student who wants to know where the fear of snakes comes from*. The Gazette Ariègeoise of March 27, 2015 (2015)
- Reportage: *Colubers and vipers, snakes of our regions - Snakes tracking*. As part of "Les Deux-Sèvres, an unknown animal land" on the program "Animals of the 8" channel D8 Canal + (2014)