

Curriculum Vitae

Marine Levé

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Academic path and formation

2015 - present - PhD student in conservation sciences

Thesis title : Domestic gardens as places pollinators go through and where they meet inhabitants.

Thesis advisors : Carmen Bessa-Gomes (University Paris Sud, Agro) et Anne-Caroline Prévot (MNHN).

Laboratories : Écologie Systématique Évolution, University Paris Sud, Orsay ; Centre d'Écologie et des Sciences de la Conservation, MNHN, Paris.

Doctoral School : Frontières du Vivant (ED 474).

2014 - 2015 - 4th year ENS Ulm - Agrégation SVSTU : competitive exam to be granted the right to teach life and earth sciences in lycées.

2013 - 2014 - 3rd year ENS Ulm, M2 Ecology-Biodiversity-Evolution, speciality theoretical ecology and modeling, UPMC-Paris VI.

2012 - 2013 - Gap year : internships and complementary formations

cf. full list of academic path's internships

2011 - 2012 - 2nd year ENS Ulm, M1 Ecology-Biodiversity-Evolution, UPMC-Paris VI.

2010 - 2011 - 1st year ENS Ulm, L3 Biology, UPMC-Paris VI.

2008 - 2010 - Training classes BCPST to the competitive ENS exam, Lycée du Parc, Lyon.

Publications, posters and oral communications

Peer-reviewed articles

- **M. Levé**. Quelques aspects de la biologie de la conservation dans les jardins privés. (Submitted).
- **M. Levé**, Baudry, E., Bessa-Gomes, C. (2019). Domestic gardens as favorable pollinator habitats in impervious landscapes. *Science of the Total Environment*, 647 : 420-430.
- **M. Levé**, C. Sueur, O. Petit, T. Matsuzawa, S. Hirata. Social grooming network in captive chimpanzees : does the wild or captive origin of group members affect sociality ?, *Primates*, 57 (1), 73–82, 2016.
- M. Costes-thiré, **M. Levé**, P. Uhlrich, C. Pasquaretta, A. De Marco, B. Thierry. Evidence That Monkeys (*Macaca tonkeana* and *Sapajus apella*) Read Moves , but no Evidence That They Read Goals, *Journal of Comparative Psychology*, 129 (3), 304–310, 2015.
- M. Costes-Thiré, **M. Levé**, P. Uhlrich, A. De Marco, B. Thierry. Lack of evidence that Tonkean macaques understand what others can hear, *Animal Cognition*, 18 (1), 251–258, 2015.
- C. Pasquaretta, **M. Levé**, et al. Social networks in primates : smart and tolerant species have more efficient networks, *Scientific Reports*, 4, 7600, 2014. (NB : co-first author)

Posters

- **M. Levé**, A Colléony, P. Conversy, A.C. Torres, M.X. Truong, C. Vuillot, A.C. Prévot. Lay people definitions of biodiversity : between scientific accuracy and concern for conservation, ICCB, Cartagena, Columbia, 2017.
- **M. Levé**, E. Baudry, C. Bessa-Gomes, A.C. Prévot. Buzzing around pollination : determinants of two pro-biodiversity behaviors in favour of pollinators, SCCB, Tihany, Hungaria, 2016.
- **M. Levé**, C. Sueur, O. Petit, T. Matsuzawa, et S. Hirata. Grooming network in a group of captive

chimpanzees : effect of the wild or captive origin of members, 5^{me} conference of the European Primatology Federation, Antwerp, Belgium, 2013.

Oral communications

- « Gardeners biodiversity : conservation biology in the garden », 4th Young Natural History scientists Meeting, Paris, France, 2018.
- « Why are gardens important for pollinators ? », colloque Ecology and Behavior, Chizé, France, 2017.
- « Structural equation modeling of pro-biodiversity behaviors toward pollinators », 3rd Young Natural History scientists Meeting, Paris, France, 2017.
- « Système couplé hommes-insectes pollinisateurs sur le Plateau de Saclay », Doctoral works of the Nature/action relationship conference, Blois, France, 2016.

Teaching

- Animal Biology, practical work, L1, University Paris VII (2015-2016 : 64h, 2016-2017 : 32h, 2017-2018 : 21h).
- Population genetics, theoretical work, L2, University Paris VII (2016-2017 : 16h, 2017-2018 : 16h).
- Population genetics, practical work, L2, University Paris VII (2016-2017 : 16h, 2017-2018 : 4h).
- Oral training for the CAPES competitive exam for collège teachers, University Paris VII (2017-2018 : 23h).

Interns supervision

- A. Odyé, M1 Biodiversity-Ecology-Evolution, spring 2017 (2 months).
- M. Gauvrit, M1 Biodiversity-Ecology-Evolution, spring 2017 (4 months).
- I. Levé, L3 Anthropology, spring 2016 (2 weeks).
- I. Cherkaoui and N. Madjoul, L3, spring 2016 (1 month).

Participation to conferences organisation and research life

- PhD representative for the ED 474 from January 2016 to September 2018.
- Reviewer for the Biodiversity dynamics and conservation session of the 4th Young Natural History scientists Meeting, 2018.
- Reviewer for the Biodiversity dynamics and conservation session of the 3rd Young Natural History scientists Meeting, 2017.
- Rapporteur for a workshop of the conference « Quelle éthique pour les relations hommes-biodiversité », NGO Humanité et Biodiversité, Decembre 2016.

Scientific mediation activities

- Scientific mentor for a CM2 class in the Savanturiers du vivant program (2017-2018).
- Participation as *scientific explorer* to mediation days at the Paris Zoological Park (April 2016, April 2017, April 2018).
- Generalist conference at the Maison des Arbres et des Oiseaux, Verrières-le-Buisson (May 2017, May 2018).
- Participation to my laboratory mediation stand during several scientific days around the Orsay University (spring 2016).
- Participation to Sciences' Night in the ENS, presenting about Social Network Analysis (2014).
- Generalist conference at the Cercle Edmont About, Dieuze (2012).

Academic path interships

- Research internship (5 months) : Social roles of shared gardens : a quantitative study with inhabitants and participants in Île-de-France region. Supervisors : Ana-Cristina Torres (MNHN, France) et Anne-Caroline Prévot (MNHN, France).
- Research internship (6 months) : poursuite du travail de M2 sur le processus de prise de décision ; encadrante : Odile Petit (Université de Strasbourg, France).
- M2 research internship (5 months) : Decision-making and perception during collective moves in feral horses. Supervisor : Odile Petit (University of Strasbourg, France).
- Scientific mediation internship (4 months) : I took part to the preparation of the *Great Apes* exhibition. Supervisor : Anne-Camille Bouillié (MNHN, France).
- Research internship (2 months) : Efficiency in primates social networks, an evolutionary selected variable? Supervisor : Cédric Sueur (University of Strasbourg, France).
- Research internship (2 months) : Theory of mind in two monkeys species (Tonkean macaque and brown capuchin). Supervisor : Bernard Thierry (University of Strasbourg, France) ; fieldwork : Parco Faunistico del Abatino, Italy.
- Research internship (3 months) : Habituation process in a wild chimpanzee community : study of moves and time budget. Supervisor : Catherine Hobaiter (University Saint Andrews, UK) ; fieldwork : BCFS, Uganda.
- M1 research internship (5 months) : Social behavior variation related to captive- or wild-origin in a captive chimpanzee group. Supervisors : Tetsuro Matsuzawa (University of Kyoto, Japan) and Hirata Satoshi (University of Kyoto, Japan).
- L3 research internship (2 months) : Influences of floral UV patterns on feeding behavior of the moth *Manduca sexta*. Supervisor : Robert Raguso (University of Cornell, États-Unis).

Skills

- Data sampling : ecological protocols, basic naturalist skills in botany and entomology, quantitative questionnaire studies, interviews.
- Data handling : R, Iramuteq, Sonal, QGIS, interview qualitative analysis.
- General : L^AT_EX, Open Office, Inkscape ; Operating systems Windows and Linux Ubuntu.
- Languages : French (mother tongue), English (scientific and daylife use), German (daylife use), Japanese (beginner).
- Driving license

Miscellaneous

- participation to citizen science program SPIPOLL (Photographic monitoring of flower visiting insects) and Oiseaux des Jardins (Birds in Garden)
- sports : hiking, cycling.
- Informal organisation of discussion groups about topics such as environmentalism, feminism, etc.