

David Bruy

Curator of the  
Herbarium of New  
Caledonia (NOU)



27 years old

Systematic Plant evolution

Collection management

Databases Pacific islands

## CONTACT

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New Caledonia

## ABOUT ME

I am a New Caledonian botanist interested in plant diversity, evolution and conservation in island systems. In addition to describe the New Caledonian flora through research in systematic, I am interested in the evolution of plant traits in Pacific lineages to highlight global evolutionary patterns explaining the actual diversity and originality of the New Caledonian flora. The Herbarium of New Caledonia (NOU), for which I am responsible, serves as basic tool for my research. I am committed to preserving, enriching and enhancing these botanical collections to make them functional tools for research, development and heritage.

## SKILLS

### Botanic

▸ Taxonomy ▸ Nomenclature ▸ Determination ▸ Phylogenies ▸ Plant ecology  
▸ Conservation

### Data management

▸ Databases ▸ Statistics ▸ Programming

### Distinctions

▸ Prix d'Excellence de la Province Sud 2016 ▸ Bourse doctorale de l'ED GAIA

### Others

▸ Member of the board of directors of the Endémia association ▸ Member of the Red List Authority for New Caledonia's flora

## EXPERIENCE

### Curator of the Herbarium of New Caledonia

Institut de recherche pour le développement (IRD) - AMAP -  
Since April 2018 - Full-time - Nouméa - New Caledonia



### PhD in botanic and plant evolution

Université de Montpellier - AMAP - October 2015 to April 2018 - Full-time -  
Nouméa - New Caledonia



### Internship in botanic and plant ecology

Institut de recherche pour le développement (IRD) - AMAP -  
January 2015 to June 2015 - Internship - Nouméa - New Caledonia



### Internship in botanic and plant ecology

Institut de recherche pour le développement (IRD) - AMAP -  
March 2014 to August 2014 - Internship - Nouméa - New Caledonia



### Internship in systematic and taxonomy

Institut de recherche pour le développement (IRD) - Herbar de  
Montpellier -  
May 2013 to July 2013 - Internship - Montpellier - France



### Internship in botanical collection management

IRD - AMAP - June 2012 to July 2012 - Internship - Montpellier - France



### Participation to the expeditions "Our revisited planet" 2016 and 2017

MNHN - IRD - Provinces Sud et Nord de la Nouvelle-Calédonie -  
November 2016 to November 2017 - New Caledonia

### Participation to the Annual Meeting of the Association for Tropical Biology and Conservation

IRD-AMAP - June 2016 - Montpellier - France

## EDUCATION

### PhD "Functionnal Ecology and Agronomic Sciences"

Ecole doctorale GAIA  
October 2015 to November 2018

### Master degree "Tropical Plant Biodiversity"

Université de Montpellier  
2013 to 2015

# Bachelor "Biology and Ecology of Organisms"

Université de Montpellier

August 2010 to June 2013

## PUBLICATION LIST

- ▶ Munzinger, J., et al. [continuously updated]. FLORICAL: Checklist of the vascular indigenous flora of New Caledonia. <http://publish.plantnet-project.org/project/florical>.
- ▶ Bruy, D., et al. (2018). "Novitates neocaledonicae VII: A new monocaulous species of Bocquillonia (Euphorbiaceae) from New Caledonia." *Phytotaxa* 360(1): 61-68.
- ▶ Bruy, D., et al. (2018). "Evolution of Plant Architecture, Functional Diversification and Divergent Evolution in the Genus *Atractocarpus* (Rubiaceae) for New Caledonia." *Frontiers in Plant Science* 9(1775).
- ▶ Bruy, D., et al. (2018). "Abundance, richness and composition of lianas in forest communities along an elevation gradient in New Caledonia." *Plant Ecology & Diversity* 10(5-6): 469-481.
- ▶ Tanguy, V., et al. (2018). Plantes de l'île des Pins, ngwöö kwênnyll, une sélection d'espèces des plus menacées aux plus communes. Nouméa, Endemia.
- ▶ Bruy, D. (2018). Diversity, Ecology and Evolution of Monocaulous Plants in New Caledonia. Montpellier, Université de Montpellier. PhD: 328.
- ▶ Munzinger, J., et al. (2019). Flore & Végétation. La Planète Revisitée, Nouvelle-Calédonie 2016-18. Volet "Forêt" 2017 en province Nord. O. Pascal. Paris, MNHN. 1.
- ▶ Mouly, A., et al. (accepted). "Phylogenetic study of the Gardenieae (Rubiaceae) in New Caledonia: towards a singular diversification of *Atractocarpus*." *Plant Ecology and Evolution* x(x): xx-xx.
- ▶ Bruy, D., et al. (submitted). "A remarkable case of evolutionary convergence: correlated evolution and environmental contingencies of monocauly in the flora of New Caledonia." *Annals of Botany* x(x): xx.