

## ***Curriculum Vitae***

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### **Dr. Jean-Yves Hiro MEYER**

Délégation à la Recherche de la Polynésie française  
(Research Department, Government of French Polynesia)

B.P. 20981 Papeete, 98713 Tahiti, French Polynesia.

Phone: (689) 40 47 25 60; Fax: (689) 40 43 34 00

Email: [jean-yves.meyer@recherche.gov.pf](mailto:jean-yves.meyer@recherche.gov.pf); [jeanyves.meyer@gmail.com](mailto:jeanyves.meyer@gmail.com)

Weblog: [www.jymeyer.com](http://www.jymeyer.com)

#### **Fields and areas of expertise**

Island biology & biogeography; botany & plant ecology; conservation biology; biological invasions; habitat restoration; tropical forest ecosystems; native and alien floras of French Polynesia, Easter Island (Rapa Nui), Cook Islands (Southeastern Polynesia) and Wallis & Futuna (Western Polynesia); invasive plants of the Pacific Ocean (including Hawaii, New Caledonia) and the Indian Ocean (Mayotte, La Réunion).

#### **Professional preparation**

Qualified as Lecturer (“*Maitre de Conférence*”) in Ecology and Population Biology, France, **2009**.

University of Hawaii at Manoa, USA, Botany, Postdoctoral Research Scholar, **1996-1997**.

University of Montpellier, France, Population Biology and Ecology, **Ph.D., 1994**.

University of Montpellier, France, Evolutionary Biology and Ecology, **M.S., 1991**.

University of Nancy, France, Organism and Population Biology, **B.S., 1990**.

#### **Appointments**

Head of the Research Department/Délégation à la Recherche (“*Délégué à la Recherche*”), Government of French Polynesia, Sept. **2014-on going**.

Senior Research Scientist (“*Chargé de Recherche 1<sup>ère</sup> classe*”), Délégation à la Recherche, Government of French Polynesia, **2007-2014**.

Research Scientist (“*Chargé de Recherche 2<sup>ème</sup> classe*”), Délégation à la Recherche, Government of French Polynesia, affiliated at the Institut Louis Malardé (Health Research Institute), **2002-2007**.

Scientific Director, National Botanical Garden of Mascarin, La Réunion Island, **2001-2002**.

Research Management Officer, Délégation à la Recherche, Government of French Polynesia, affiliated at the Université de la Polynésie française (University of French Polynesia), **1998-2001**.

Research Assistant (“*Volontaire à l’Aide Technique*”), Délégation à l’Environnement et à la Recherche, Government of French Polynesia, affiliated at the Centre ORSTOM de Tahiti (IRD Center), **1994-1996**.

#### **Selected representative publications**

##### ***Scientific papers in refereed journals with Impact Factor***

Nitta, J. H., Meyer, J.-Y., Taputuarai, R. & Davis, C. C. **in press (2017)**. Life cycle matters: DNA barcoding reveals contrasting community structure between fern sporophytes and gametophytes. *Ecological Monographs*. DOI: 10.1002/ecm.1246.

Prebble, M., Whitau, R., Meyer, J.-Y., Sibley-Punnett, L., Fallon, S. & Porch, N. **2016**. Abrupt late Pleistocene climate and ecological change in the island on Tahiti (French Polynesia). *Journal of Biogeography* 43(12): 2438-2453.

Pouteau, R., Meyer, J.-Y., Blanchard, P., Nitta, J. H., Terorotua, M. & Taputuarai, R. **2016**. Fern species richness and abundance as indicators of climate change on high-elevation islands: evidence from an elevational gradient on Tahiti (French Polynesia). *Climatic Change* 138(1): 143-156.

González Muñoz, N., Bellard, C., Leclerc, C., Meyer, J.-Y. & Courchamp, F. **2015**. Assessing current and future risks of invasion by the « green cancer » *Miconia calvescens*. *Biological Invasions* 17(11): 3337-3350.

- Cibois, A., Thibault, J.-C., Meyer, J.-Y. & Pasquet, E. **2015**. On the origin of sympatric fruit doves in a small and remote Pacific archipelago. *Pacific Science* 69(3): 299-312.
- Justine, J.-L., Winsor, L., Barrière, P., Fanai, C., Gey, D., Wee Kien Han, A., La Quay-Velázquez, G., Yi-Hann Lee, B. P., Lefevre, J.-M., Meyer J.-Y., Philippart, D., Robinson, D.G., Thévenot, J. & Tsatsi, F. **2015**. The invasive land planarian *Platydemus manokwari* (Platyhelminthes, Geoplanidae): record from six new localities, including the first in the USA. *PeerJ* 3:e1037 DOI 10.7717/peerj.1037 <https://peerj.com/articles/1037/>
- Pouteau, R., Meyer, J.-Y. & Larrue S. **2015**. Using range filling rather than prevalence of invasive plant species for management prioritisation: the case of *Spathodea campanulata* in the Society Islands (South Pacific). *Ecological Indicators* 54: 87-95.
- Soubeyran, Y., Meyer, J.-Y., Lebouvier, M., De Thoisy, B., Lavergne, C., Urtizbera, F. & Kirchner, F. **2015**. Dealing with invasive alien species in the French overseas territories: results and benefits of a seven-year initiative. *Biological Invasions* 17(2): 545-554.
- Meyer, J.-Y., Pouteau, R., Taputuarai, R., Fourdrigniez, M. & Spotswood, E. **2015**. The importance of novel and hybrid habitats for plant conservation in islands: a case study on Moorea (South Pacific) *Biodiversity and Conservation* 24(1): 83-101.
- Gillespie, T.W., O'Neill, K., Keppel, G., Pau, S., Meyer, J.-Y., Price, J. P. & Jaffré, T. **2014**. Prioritizing conservation of tropical dry forests in the Pacific. *Oryx* 48(3): 337-344.
- Chevillotte, H., Meyer, J.-Y., Mellado-Forichon, T., Florence, J., Emmanuelli, E., Habert, E., Galzin, R. & Ferraris, J. **2014**. Evaluation et suivi de la biodiversité dans l'île de Moorea, Polynésie française : approche méthodologique appliquée aux écosystèmes terrestres et marins. *Revue d'Ecologie (Terre et Vie)* 69(3-4): 267-284.
- Spotswood, E., Meyer, J.-Y. & Bartolome, J. **2013**. Preference for an invasive fruit trumps fruit abundance in selection by an introduced bird in the Society Islands, French Polynesia. *Biological Invasions* 15(10): 2147-2156
- Meyer, J.-Y., Fourdrigniez, M. & Taputuarai, R. **2012**. Restoring habitat for native and endemic plants through the introduction of a fungal pathogen to control the alien invasive tree *Miconia calvescens* in the island of Tahiti. *BioControl* 57(2): 191-198.
- Spotswood, E., Meyer, J.-Y. & Bartolome, J. **2012**. An invasive tree alters the structure of seed dispersal networks between birds and plants on islands. *Journal of Biogeography* 39(11): 2007-2020.
- Delnatte, C. & Meyer, J.-Y. **2012**. Plant introduction, naturalization, and invasion in French Guiana (South America). *Biological Invasions* 14(5): 915-927.
- Hardesty, B.D., Le Roux, J.J., Rocha, O.J., Meyer, J.-Y., Westcott, D. & Wieczorek, A.M. **2012**. Getting there from here: testing the paradigm of invasion success. *Diversity & Distributions* 18(2): 147-157.
- Jacq, F.A. & Meyer, J.-Y. **2012**. Taux de mortalité et causes de disparition de *Apetahia raiateensis* (Campanulaceae), une plante endémique de l'île de Raiatea (Polynésie française). *Revue d'Ecologie (Terre et Vie)*, Supplément 11: 57-72.
- Pouteau, R., Meyer, J.-Y., Taputuarai, R. & Stoll, B. **2012**. Support vector machine to map rare and endangered native and endemic plants in Pacific island forests. *Ecological Informatics* 9: 37-46.
- Meyer, J.-Y. & Fourdrigniez, M. **2011**. Conservation benefits of biological control: the recovery of a threatened endemic plant subsequent to the introduction of a pathogen agent to control a dominant invasive tree on the island of Tahiti (South Pacific). *Biological Conservation* 144(1): 106-113
- Pouteau, R., Meyer, J.-Y. & Stoll, B. **2011**. A SVM-based model for predicting distribution of the invasive tree *Miconia calvescens* in tropical rainforests. *Ecological Modelling* 222: 2631-2641.
- Gillespie, T. W., Keppel, G., Pau, S., Price, J. P., Jaffré, T., Meyer, J.-Y. & O'Neill, K. **2011**. Floristic composition and natural history characteristics of dry forests in the Pacific. *Pacific Science* 65(2): 127-141.
- Kueffer, C., Daehler, C.C., Torres-Santana, C.W., Lavergne, C., Meyer, J.-Y., Otto, R. & Silva, L. **2010**. A global comparison of invasive plant species on oceanic islands. *Perspectives in Plant Ecology, Evolution and Systematics* 12(2): 141-165.
- Meyer, J.-Y. & Butaud, J.-F. **2009**. The impacts of rats on the endangered native flora of French Polynesia (Pacific Islands): drivers of plant extinction or coup de grâce species? *Biological Invasions* 11(7): 1569-1585.
- Lee, T., Meyer, J.-Y., Burch, J.B., Pearce-Kelly, P. & Ó Foighil, D. **2008**. Not completely lost: two partulid tree snail species persist on the highest peak of Raiatea, French Polynesia. *Oryx* 42(4): 615-619.

- Le Roux, J.J., Wieczorek, A.M. & Meyer, J.-Y. **2008**. Genetic diversity and structure of the invasive tree *Miconia calvenscens* in Pacific islands. *Diversity and Distributions* 14(6): 935-948.
- Meyer, J.-Y., Duploup A. & Taputuarai, R. **2007**. Dynamique des populations de l'arbre endémique *Myrsine longifolia* (Myrsinacées) dans les forêts de Tahiti (Polynésie française) envahies par *Miconia calvenscens* (Mélastomatacées) après introduction d'un champignon pathogène de lutte biologique : premières investigations. *Revue d'Ecologie (Terre Vie)* 62(1): 17-33.
- Meyer, J.-Y. & Lavergne, C. **2004**. Beautés fatales: Acanthaceae species as invasive alien plants on tropical Indo-Pacific Islands. *Diversity & Distributions* 10(5-6): 333-347.
- Meyer, J.-Y. **2004**. Threat of invasive alien plants to native flora and forest vegetation of Eastern Polynesia. *Pacific Science* 58(3): 357-375.
- Meyer, J.-Y., Florence, J. & Tchung, V. **2003**. Les *Psychotria* spp. (Rubiacées) endémiques de Tahiti (Polynésie française) menacés par l'invasion de *Miconia calvenscens* (Melastomatacées): statut, répartition, écologie, phénologie et protection. *Revue d'Ecologie (Terre Vie)* 58(2): 161-185.
- Thibault, J.-C., Martin, J.-L., Penloup A. & Meyer, J.-Y. **2002**. Understanding the decline and extinction of monarchs (Aves) in Polynesian islands. *Biological Conservation* 108(2): 161-174.
- Thibault, J.-C. & Meyer, J.-Y. **2001**. Contemporary extinction and population declines of the monarchs (*Pomarea* spp.) in French Polynesia, South Pacific Ocean. *Oryx* 35(1): 73-80.
- Cootte, T., Loeve, E., Meyer, J.-Y. & Clarke, D. **1999**. Extant populations of endemic partulids on Tahiti, French Polynesia. *Oryx* 33(3): 215-222.
- Meyer, J.-Y. **1998**. Observations on the reproductive biology of *Miconia calvenscens* DC (Melastomataceae), an alien invasive tree on the island of Tahiti (South Pacific Ocean). *Biotropica* 30(4): 609-624.
- Meyer, J.-Y. & Florence, J. **1996**. Tahiti's native flora endangered by the invasion of *Miconia calvenscens* DC. (Melastomataceae). *Journal of Biogeography* 23(6): 775-783.
- Meyer, J.-Y. **1996**. Status of *Miconia calvenscens* (Melastomataceae), a dominant invasive tree in the Society Islands (French Polynesia). *Pacific Science* 50(1): 66-76.

### **Scientific book chapters**

- Van Driesche, R. G., Pratt, P. D., Center, T. D. *et al.* & Meyer, J.-Y. **2016**. Chapter 10. Cases of biological control restoring natural systems. Pp 208-246 in Van Driesche, R. G., Simberloff, D., Blossey, B. *et al.* (eds.) *Integrating Biological Control into Conservation Practice*, John Wiley & Sons, Ltd. (<http://onlinelibrary.wiley.com/doi/10.1002/9781118392553.ch10/summary>)
- Galzin, R., Duron, S.-D. & Meyer, J.-Y. (eds.) **2016**. *Biodiversité terrestre et marine des îles Marquises, Polynésie française*. Société Française d'Ichtyologie, Paris, 526 pages.
- Meyer, J.-Y. & Claridge, E. M. (eds.) **2014**. *Terrestrial Biodiversity of the Austral Islands, French Polynesia*. Service des publications scientifiques du Muséum national d'Histoire naturelle, Collection Patrimoines Naturels 72, Paris, 144 pages (<http://sciencepress.mnhn.fr/en/collections/patrimoines-naturels/terrestrial-biodiversity-austral-islands-french-polynesia>).
- Loope, L.L., Hughes, F. & Meyer J.-Y. **2013**. Plant invasions in protected areas of tropical Pacific Islands, with special reference to Hawaii. Pp. 313-348 in Foxcroft, L.C., Richardson, D.M., Pyšek, P. & Genovesi, P. (eds.) *Plant Invasions in Protected Areas: Patterns, Problems and Challenges*, Springer Series in Invasion Ecology Volume 7, Springer, Dordrecht.
- Pouteau, R., Meyer, J.-Y., Fourdrigniez, M. & Taputuarai, R. **2013**. Novel ecosystems in the Pacific Islands: assessing loss, fragmentation and alteration of native forests by invasive alien plants on the island of Moorea (French Polynesia). Pp. 19-33 in S. Larrue (ed.) *Biodiversity and Societies in the Pacific Islands*. Presses Universitaires de Provence, Aix-Marseille, The Australian National University Press, Canberra.
- Meyer, J.-Y., Loope, L.L. & Goarant, A.-C. **2011**. Strategy to control the invasive alien tree *Miconia calvenscens* in Pacific Islands: eradication, containment or something else? Pp. 91-96 in Veitch, C.R., Clout, M.N. & Towns, D.R. (eds.), *Island Invasives: Eradication and Management*. IUCN, Gland.
- Meyer, J.-Y. & Medeiros, A.C. **2011**. Melastomes. Pp. 458-462 in Simberloff, D. & Rejmánek, M. (eds.), *Encyclopedia of Invasive Introduced Species*. University of California Press.
- Meyer, J.-Y. **2010**. Montane cloud forests on remote islands of Oceania: the example of French Polynesia (South Pacific Ocean). Pp. 121-129 in Bruijnzeel, L.A., Scatena, F.N. & Hamilton, L.S. (eds.), *Tropical Montane Cloud Forests. Science for Conservation and Management*. Cambridge University Press.

Meyer, J.-Y. & Salvat, B., 2009. French Polynesia, Biology. Pp 332-338 in Gillespie, R. & Clague, D. (eds), *Encyclopedia of Islands*. University of California Press.

***Other scientific papers, books, technical reports, popular papers, and booklets***

Larrue, S., Daehler, C., Meyer, J.-Y., Pouteau, R. & Voldoire, O. 2016. Elevational distribution and photosynthetic characteristics of the invasive tree *Spathodea campanulata* on the island of Tahiti (South Pacific Ocean). *NeoBiota* 30: 127-149 (<http://neobiota.pensoft.net/articles.php?id=8201>).

Thibault, J.-C., Cibois, A. & Meyer, J.-Y. 2015. Birds of 'Uvea (Wallis), Futuna and Alofi islands (South-West Pacific): an update. *Notornis* 62(1): 30-37.

Meyer, J.-Y. 2014. Critical issues and new challenges for research and management of invasive plants in the Pacific Islands. *Pacific Conservation Biology* 20(2): 146-164.

Keppel, G., Morrison, C., Meyer, J.-Y. & Boehmer, H. J. 2014. Isolated and vulnerable: the history and future of Pacific Island terrestrial biodiversity. *Pacific Conservation Biology* 20(2): 136-145.

Thibault, J.-C., Cibois, A., Butaud, J.-F., Jacq, F., Poroï, E. & Meyer, J.-Y. 2013. Breeding birds of Hatuta'a, Marquesas Islands: species inventory and influence of drought on their abundance. *Bulletin of the British Ornithologists Club* 133(3): 168-177.

Meyer, J.-Y. 2013. Notes on the taxonomy, ecology, distribution and conservation status of the ferns (Pteridophytes) of Rapa Nui (Easter Island). *Rapa Nui Journal* 27(1): 67-79.

Dubois, A., Lenne, P., Nahoe, E., Rauch, M. & Meyer, J.-Y. 2013. *Plantas de Rapa Nui. Guía Ilustrada de la Flora de Interés Ecológico y Patrimonial*. Umanga Mo Te Natura, CONAF, ONF International, Santiago, 134 pages ([http://www.cepf.net/SiteCollectionDocuments/poly\\_micro/Plantas\\_de\\_RapaNui\\_UMTN.pdf](http://www.cepf.net/SiteCollectionDocuments/poly_micro/Plantas_de_RapaNui_UMTN.pdf)).

Meyer, J.-Y. 2011. *Rapa, îles Australes. Guide de la flore indigène et endémique*. Direction de l'Environnement, Délégation à la Recherche, Papeete, 20 pages ([http://www.environnement.pf/sites/default/files/fichiers-documents/rapa\\_light.pdf](http://www.environnement.pf/sites/default/files/fichiers-documents/rapa_light.pdf)).

Pouteau, R., Meyer, J.-Y., Taputuarai, R. & Stoll, B. 2010. La fonte de la biodiversité dans les îles : modélisation de l'impact du réchauffement global sur la végétation orophile de Tahiti (Polynésie française). *VertigO (Revue électronique en Sciences de l'Environnement)* 10(3): 1-10 (<http://vertigo.revues.org/10580>).

Meyer, J.-Y., Lavergne, C. & Hodel, D. 2008. Time bombs in gardens: invasive ornamental palms in tropical islands, with emphasis on French Polynesia (Pacific Ocean) and the Mascarenes (Indian Ocean). *Palms* 52(2): 23-35.

Meyer, J.-Y., Wan, V. & Butaud, J.-F. 2007. *Les plantes envahissantes en Polynésie française. Guide illustré d'identification*. Direction de l'Environnement, Délégation à la Recherche, Papeete, 84 pages ([http://www.environnement.pf/sites/default/files/fichiers-documents/guide\\_plantes\\_envahissantes.pdf](http://www.environnement.pf/sites/default/files/fichiers-documents/guide_plantes_envahissantes.pdf)).

Meyer, J.-Y., Loope, L.L., Sheppard, A., Munzinger, J. & Jaffré, T. 2006. Les plantes envahissantes et potentiellement envahissantes dans l'archipel néo-calédonien : première évaluation et recommandations de gestion. Pp. 50-115 in Beauvais, M.-L., Coléno, A. & Jourdan, H. (coord.), *Les espèces envahissantes dans l'archipel néo-calédonien, un risque environnemental et économique majeur*, IRD Editions, Collection Expertise collégiale, Paris ([http://horizon.documentation.ird.fr/exl-doc/pleins\\_textes/ed-06-08/010039997.pdf](http://horizon.documentation.ird.fr/exl-doc/pleins_textes/ed-06-08/010039997.pdf)).

Meyer, J.-Y. 2003. Parks in peril in the islands of French Polynesia (South Pacific Ocean). *Aliens (Invasive Species Specialist Group of the IUCN Species Survival Commission)* N°17: 6.

Meyer, J.-Y. & Picot, F. 2003. Reinforcement program of fragmented populations of the mazambon marron on La Réunion Island, Mascarenes, Indian Ocean. *Re-introduction News (IUCN/Species Survival Commission Re-introduction Specialist Group)* 22: 28-29.

Meyer, J.-Y. 2003. French Polynesia. Pp. 22-34 in Shine, C., Reaser J.K. & Gutierrez, A.T. (eds.). *Invasive Alien Species in the Austral-Pacific Region. National Reports & Directory of Resources*. The Global Invasive Species Programme, Cape Town (<http://www.issg.org/pdf/publications/GISP/Resources/AP-1.pdf>).

Meyer, J.-Y. 2001. The Conservatoire Botanique National de Mascarin: plant conservation in action in La Réunion Island (Mascarene Is., Indian Ocean). *Botanic Gardens Conservation News* 7(3): 41-43.

Meyer, J.-Y. & Tetuanui, W. 2000. Country report. French Polynesia. *FAO Workshop on Forestry Data Collection for the Pacific Region*, 4-8 September, Apia. ([www.fao.org/documents/show\\_cdr.asp?url\\_file=/docrep/006/ad672e/ad672e02.htm](http://www.fao.org/documents/show_cdr.asp?url_file=/docrep/006/ad672e/ad672e02.htm)).

Meyer, J.-Y. 2000. A Preliminary review of the invasive plants in the Pacific Islands (SPREP Member Countries). Pp. 85-114 in Sherley, G. (compiler). *Invasive Species in the Pacific. A technical review and regional strategy*.

South Pacific Regional Environmental Program, Apia

([www.hear.org/pier/pdf/invasive\\_species\\_technical\\_review\\_and\\_strategy.pdf](http://www.hear.org/pier/pdf/invasive_species_technical_review_and_strategy.pdf)).

Meyer, J.-Y. & Malet, J.-P. 1997. Study and management of the alien invasive tree *Miconia calvescens* DC. (Melastomataceae) in the islands of Raiatea and Tahaa (Society Islands, French Polynesia) : 1992-1996. *University of Hawaii Coop. Nat. Park Res. Studies Unit Technical Report* 111, 56 p. ([www.botany.hawaii.edu/faculty/duffy/techr/111.pdf](http://www.botany.hawaii.edu/faculty/duffy/techr/111.pdf)).

### Synergistic Activities

1. Coordinator of a course “Biological Invasions on Islands” for a Master of Science Degree (Master 2 “Environnement Insulaire Océanien”) at the University of French Polynesia: member of the teaching and student selection committee, course lecturer, reviewer of student dissertations and member of the jury for their final exam (2013-2017).
2. Guest lecturer for the University of California, Berkeley field-course in “Tropical Island Biology and Geomorphology” taught at the R. Gump South Pacific Research Station, Moorea (<http://www.moorea.berkeley.edu/>).
3. Scientific supervisor advising, training and mentoring French and foreign undergraduate/graduate/doctoral/post-doctoral students in terrestrial ecology, tropical botany, island biogeography, invasion biology, species conservation and habitat restoration.
4. Botanical expert, involved in the inventory and conservation of endemic plants in the islands of French Polynesia as well as identifying current and potential invasive alien plant species.
5. Major collaborator of botanist J. Florence, author of the three volumes on the Flora of French Polynesia and of the Nadeaud botanical database ([www.herbier-tahiti.pf](http://www.herbier-tahiti.pf)), collaborator for the Vascular Flora of the Marquesas Islands database (<http://botany.si.edu/pacificislandbiodiversity/marquesasflora/>).
6. Reviewer for the scientific journals “*Global Change Biology*”, “*Journal of Biogeography*”, “*Quaternary Science Reviews*”, “*Biological Conservation*”, “*Annals of Botany*”, “*Perspectives in Plant Ecology, Evolution and Systematics*”, “*Biological Invasions*”, “*Forest Ecology and Management*”, “*Ecology and Evolution*”, “*Biodiversity and Conservation*”, “*Insect Conservation and Diversity*”, “*Biotropica*”, “*Oryx. The International Journal of Conservation*”, “*Journal of Ornithology*”, “*BioControl*”, “*Weed Research*”, “*Biological Control*”, “*Acta Oecologia*”, “*Ecological Research*”, “*South African Journal of Botany*”, “*Pacific Science*”, “*Journal of Tropical Ecology*”, “*Zoosystema*”, “*Revue d’Ecologie (Terre Vie)*”, “*Pacific Conservation Biology*”, “*Tropical Conservation Science*” (e-journal), “*Phytologia*” (e-journal), “*Biodiversity Data Journal*” (e-journal), “*VertigO*” (e-journal), “*Atoll Research Bulletin*”.
7. Expert consultant on numerous terrestrial biodiversity and biological invasion initiatives across the Pacific: Global Invasive Species Program (GISP) and Database (GISD), IUCN Invasive Species Specialist Group (ISSG), CABI Invasive Species Compendium, Pacific-Asia Biodiversity Transect (PABITRA), South Pacific Regional Environmental Program (SPREP), Pacific Invasives Learning Network (PILN).
8. Scientific collaborations with: University of California at Berkeley (USA), Smithsonian Institution of Washington (USA), Bishop Museum of Honolulu (Hawaii, USA), University of Hawaii at Manoa (Hawaii, USA), Biosecurity Queensland (Australia), Australian National University, Canberra (Australia), University of the South Pacific, Suva (Fiji), CONAF-Rapa Nui National Park (Chile), IRD Nouméa (New Caledonia), Service de l’Environnement of Wallis and Futuna (France) and Université de La Réunion (France).
9. Reviewer for research and conservation projects submitted to the French “Fondation pour la Recherche sur la Biodiversité (FRB)”, the “Agence Nationale de la Recherche (ANR)” and the “Stratégie Nationale sur la Biodiversité (SNB)”, and to the “The Netherlands Organisation for Scientific Research (NWO)”.
10. French Polynesia coordinator for the French IUCN Committee’s “Initiative on Invasive Species in the French Overseas Territories” ([www.uicn.fr/Especies-envahissantes-d-outre-mer.html](http://www.uicn.fr/Especies-envahissantes-d-outre-mer.html)) (2006-on going).
11. Research Associate in Botany, National Tropical Botanical Garden, Hawaii, USA (<http://ntbg.org/programs/research-appointments.php>) (2008-on going).
12. Member of the “Groupement de Recherche CNRS 3647 Invasions Biologiques” (2014-on going).
13. Executive Committee Member for the “Moorea Biocode Project” (University of California at Berkeley, Smithsonian Institution of Washington, USA, and CNRS-EPHE-Université de Perpignan, France), team co-leader for the inventory of the native and alien vascular flora (<http://www.mooreabiocode.org/teams/plants>) (2008-2012).

14. Member of the Technical Advisory Committee for the “Polynesia-Micronesia Critical Ecosystems Partnership Fund” (CEPF) ([http://www.cepf.net/Documents/CEPF\\_PolyMicro\\_factsheet.pdf](http://www.cepf.net/Documents/CEPF_PolyMicro_factsheet.pdf)) (2008-2013).
15. Member of the scientific committee of the “Grand Observatoire de l’Environnement et de la Biodiversité du Pacifique Sud” (GOPS) (<http://www.observatoire-gops.org/fr/comite-scientifique>) (2010-2014); member of the GOPS executive committee (2015-on going).
16. Board Member of the “Society for Conservation Biology, Oceania section” (<http://www.conbio.org/groups/sections/oceania>) (2011-2014).
17. Council Member of the “Pacific Science Association” (<http://www.pacificscience.org/PSACouncil.html>) (2013-2016).
18. Member of the “Tetiaroa Society Scientific Advisory Board” (2014-on going).
19. Member of the Pacific committee of the “Biodiversity and Ecosystem Services in Territories of European Overseas (BEST 2.0) Project” of IUCN (<https://portals.iucn.org/best/>) as an independent expert in charge of reviewing, selecting and assessing conservation projects in French Polynesia, New Caledonia, Wallis et Futuna and Pitcairn Islands (2015-on going).
20. Member of the Editorial committee (Associate Editor) of the “New Zealand Journal of Botany” (<http://www.royalsociety.org.nz/publications/journals/nzjb/>) (2016-on going).
21. Member of the “Society for Island Biology” Board (2016-on going).