

Marc-André Selosse

Born March 29th 1968 in Paris; French.

Affiliation Professor at Muséum nat. d'Histoire Naturelle and University of Gdansk.
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Head of the team *Interactions et Evolution Végétale et Fongique* (Muséum, Paris)
Head of *Laboratory of Plant Symbiosis* (Faculty of Biology, Univ. Gdansk)

Academic career and positions held to date

1988-90 Completion of BSc and Msc degrees (Biology/Biochemistry) at the Ecole Normale Supérieure, Rue d'Ulm (Paris), with honours
1991-93 Two-year scholarship at the ENGREF (French Institute of Forestry, Agricultural and Environmental Engineering).
1993-94 Military service as a scientist at the Centre de l'Energie Atomique.
1994-98 Ph.D, Université Paris XI, on "Population genetics of the ectomycorrhizal fungus *Laccaria bicolor*" ("Médaille de vermeille" by the Academy of Agriculture).
1998-2000 Research and teaching assistant at the ENGREF.
2000-04 Maître de Conférences at the University P. & M. Curie.
2004-12 Full 2nd and then 1st class Professor position at the University Montpellier II.
2013 - Full 1st class Professor position at Muséum national d'Histoire Naturelle.
2015 - Visiting Prof. at Univ. of Viçosa (MG, Brazil); Professor at Univ. of Gdansk (Poland).
2017 - Member of the French Academy of Agriculture.

Main research activities. I am working on mycorrhizae, a symbiosis linking plants roots and soil fungi. I focus on plant species exploiting the carbon of neighbouring plants by way of common mycorrhizal fungi; on fungal communities in ecosystems and their responses to anthropic disturbances; and on population genetics of mycorrhizal fungi (gene flow, cryptic speciation and specificity). Last, I have interest in general aspects of symbiosis, especially its evolutionary role.

Teaching. I teach >200 hrs/yrs at Muséum and in other French or European Universities, as well as 'Grandes Ecoles'. My teaching encompasses field and lecture courses in ecology, soil sciences, microbiology, evolution of symbiosis, at all university levels (L, M, D). I supervised 22 MSc students and 9 PhDs. I actively contribute to the writing of curricula for high schools and to teachers' training. A strong action in outreach (105 papers, 50 talks/year, high schools, radio interviews, films...).

Five editorships and/or memberships in academic organisations. Editor of *New Phytologist* (IF: 7.6) & *Symbiosis* (IF: 1.4) and *Espèces*. President of the *Société Botanique de France*; member of scientific councils of *Tela Botanica* (the French internet botanical society); member of the French Academy of Agriculture.

Five most important invitations to present at scientific conferences (out of 37). 3-week invitation (incl. Japanese Congress on Mycorrhizae) by the Japanese Society for Advancement of Science (2012); 27th Fungal Genetics Conference (Asilomar, 2013); 2nd International Symposium on Microbiology and Biotechnology (Bello-Horizonte, Brazil, 2013); 'Plant Biology Europe' (FESP/EPSo, Dublin, 2014); Mycological Society of America & Botanical Society of America (Edmonton, Alberta, 2015).

Names and institutions of key international cooperation partners in the last 5 years. Cooperation and copublications with: Univ. of Torino (+CNR) & Salerno (Italy); Bayreuth, Tübingen & Marburg, DFG Marburg (Germany); Obihiro, Tokyo & Mie (Japan); Dakar (Senegal, +IRD); Moscow (Russia); Gdansk (Poland); Univ. Agriculture & Univ. Science Tartu (Estonia); Univ. Charles (Prag), Institute of Botany ACSR, Univ. Ceske-Budejovice (Czech Rep.); Univ. do Minho (Braga Portugal)...

Main recent grants: Leader of the 'Systruf' research project on truffles (ANR + Région Languedoc-Roussillon; 3 500 k€, 2010-14); ATM Microbiology "age of carbon in mycorrhizal networks" (5 k€ in 2014); sponsoring of an anonymous private company (15 k€ in 2015); research on orchids' heterotrophy (Fondation *Ars Cuttoli*, 70 k€ in 2016-17); research on mycorrhizae of epiphytic orchids (Fondation *Franklinia*, 60 k€ in 2016-17; Brazilian CNPq, 100 k€ in 2016-17 at Viçosa Univ.); research on orchids' metabolism (Orchidomics, Polish National Center for Science, 880 k€ in 2016-19).

Publications - 130 research papers (3309/5531 citations; H=32/37 in *ISI Web of Knowledge* / *Google Scholar*), 35 book chapters, and 125 outreach papers - all available online at <http://isyeb.mnhn.fr/Marc-Andre-SELOSSE>, see also at http://en.ug.edu.pl/pracownik/39466/marc-andre_selosse .