

Curriculum vitae - Prof. Renzo Motta

Title: **Full Professor of Silviculture**

Affiliation: **Department of Agriculture, Forest and Food Sciences (DISAFA), University of Turin**

- **President** of the **Italian Society of Silviculture and Forest Ecology** (SISEF)
- **Head** of BSc and MSc degrees in **Forest and Environmental Sciences**
- Member of the Committee of the **Doctoral School of Sciences and Innovative Technologies**, PhD in Food Science, Agriculture and Forestry, University of Turin.
- Ordinary member of the **Italian Academy of Forest Science**
- Ordinary member of the **Turin Agriculture Academy**

Personal details:

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Languages: Italian (mother tongue), English (written/spoken C1), French (written/spoken C1).

Current address: Dep. DISAFA, University of Turin, L.go Paolo Braccini 2, 10095, GRUGLIASCO (TO), Italy

Education

- B.Sc. & M.Sc. Forest Sciences, University of Turin (Italy), 1985
- Ph.D. Ecology - Environmental Sciences, Université de Droit, d'Economie et des Sciences d'Aix-Marseille (Aix-Marseille III) - Université Paul Cézanne (France), 2004. Thesis: "Forest stand history reconstruction along an altitudinal gradient in the upper Susa valley (Piedmont, Italy)".

Courses taught (AA 2020-21)

- BSc (Hons) in Forest and Environmental Sciences. Teaching in Silviculture: 6 CFU
- MSc in Forest and Environmental Sciences. Teaching in Mountain and Protection Silviculture: 4 CFU
- MSc and BSc in Forest and Environmental Sciences. Interdisciplinary training (field trip + report): 4 CFU
- MSc in Forest and Environmental Sciences. Applied silviculture: 4 CFU
- PhD program in Agricultural, Forest and Food Science, Dep. DISAFA: Forests in a changing climate: 1 CFU

Main research interests

- **Silviculture and ecology of mountain forests:** silviculture in forests that play a protective role, sustainable management and silviculture of mountain forests, regeneration and mortality processes.
- **Upper forest limits (tree-line and forest-line), land-use and climate change:** forest dynamics and global change: present and past forest-lines

and tree-lines, recent dynamics, impact of climate change on forest growth and on forest regeneration at forest-lines and tree-lines

- **Forest-wildlife (ungulates) relationships:** Qualitative and quantitative analysis of the impact of wild ungulates on forest regeneration in mountain forests.
- **Long-Term Silvicultural and Ecological Research (LTER) in permanent plots:** Long term Forest Ecosystem Research in Forest reserves and in a network of more than 30 sites along the Italian Alps, the Apennines and the Dinaric mountains.
- **Old-growth forests:** the studies are developed in Dinaric old-growth forests and in forests that have been withdrawn from regular management for many decades and have developed some old-growth characteristics: degree of naturalness, regeneration processes, climate growth relationships; autogenic and allogenic mortality, density dependent mortality, dynamic process, stand history, human disturbances, human heritage in the forest dynamics, disturbance history.

Member of Editorial Board for the following:

- Former Dendrochronologia Co-Editor (2000-2005) and Associated editor (2005-2018)
- Forest@ (Co-editor)
- iForest (Co-editor)
- L'Italia Forestale e Montana
- Collana "Scienze forestali e ambientali" Compagnia delle foreste
- Glasnik, University of Banja Luka (Bosnia-Herzegovina)
- Agriculture and Forestry", Časopis "Poljoprivreda i šumarstvo", University of Montenegro, Podgorica (Montenegro).

Reviewer for:

Advances in Meteorology, Agroforestry systems, Annals of Forest Science, Biodiversity and Conservation, Canadian Journal of Forest Research, Dendrochronologia, Dendronatura, Ecosystems, Forest@, Forestry, Forest Ecology and Management, iForest, Journal of Ecology, Journal of Vegetation Science, L'Italia forestale e Montana, Plant Biology, Plant Biosystems, Plant Ecology, Plos One, Polish Journal of Environmental Studies, Scandinavian Journal of Forest Research, Sherwood, Tree physiology.

Publications and author's impact metrics

- I have published more than 400 scientific papers of which 101 are ISI papers (H index ISI: 33; >3000 citations; H index Google scholar (PoP) 41; >5000 citations and >400 papers; Reference date December 2020) <https://scholar.google.com/citations?user=qNParOUAAAAJ&hl=it>
- I'm listed among the Top Italian Scientists <https://topitalianscientists.org/home>
- I'm listed in both Plos Biology Databases assessing scientists for career-long citation impact up until the end of 2019 (top 100.000 among a total of more than 7 million researchers) and for citation impact during the single calendar year 2019 (2% of the most cited researchers). <https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>

