

**Lucio Montecchio - Curriculum vitae:**

Date of Birth: 30.03.1963

Present address: University of Padova, Department Territorio e Sistemi Agroforestali (TeSAF), viale dell'Università 16, 35020 Legnaro PD, Italy . [www.tesaf.unipd.it](http://www.tesaf.unipd.it)

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**Education and professional career:**

- 1988: MSc Degree with full marks in Forest Sciences.
- 1992: Researcher in Plant pathology at the University of Padova (TeSAF Dept.).
- 1992-2002: teacher of "Alterations and protection of wood", "Forest plant pathology II", "Mycology", "Practicals in forest pathology", "Parasitic diseases of natural and anthropic ecosystems", "Timber alterations", "Forest pathology and wood alterations".
- 2005-2009: Chairman of the BsC in "Wood Technology and Industry".
- 2012-2014: Ecologia dei funghi in foresta (MsC in Scienze forestali e ambientali, University of Padova)
- 2005-ongoing: Associate Professor of "Forest pathology and wood alterations" (MSc Degree Course in Scienze forestali e ambientali, University of Padova).
- 2012, ongoing: "Forest pathology and wood alterations" (MsC in Forest Science, curriculum in English, University of Padova)
- 2015-ongoing: "Epidemie, endemie e monitoraggio fitosanitario" (MsC in Scienze Forestali e ambientali), and "Patologia delle piante ornamentali" (BsC in Riassetto del territorio e tutela del paesaggio, University of Padova).
- 2004-ongoing: member of the board of the PhD School "Territory, Environment, Resources and Health", University of Padova.

**Supervision of PhD students:**

- Dr. Leonardo Buso, Dottorato di ricerca in Protezione delle colture, Università di Padova, 2006.
- Dr. Linda Scattolin. Dottorato di ricerca in Territorio, Ambiente, Risorse e Salute, Università di Padova, 2007. Main supervisor, in cooperation with Prof. R. Agerer, Ludwig-Maximilian-Universität, D.
- Dr. Elena Mosca. Dottorato di ricerca in Territorio, Ambiente, Risorse e Salute, Università di Padova, 2007. Main supervisor, in cooperation with Dr. J. Garbaye, INRA, F.
- Dr. Erika Di Marino Dottorato di ricerca in Territorio, Ambiente, Risorse e Salute, Università di Padova, 2008. Main supervisor, in cooperation with Prof. R. Agerer, Ludwig-Maximilian-Universität, D.
- Dr. Mirco Baldo, Dottorato di ricerca in Territorio, Ambiente, Risorse e Salute, Università di Padova, 2009.
- Dr. Elisa Dal Maso. Dottorato di ricerca in Territorio, Ambiente, Risorse e Salute. Università di Padova, 2014.

Member of the examination board for the conferment of PhD degrees at the Universities of Padova, Bari, Florence, Viterbo (Italy), Murdoch (Australia), Pondicherry (India), and Ljubljana (Slovenia).

**Research interests:**

- Quarantine and related legislation.

- Epidemiology, infection and colonization strategies (including electron microscopy).
- Survey and monitoring (including forecasting tools).
- Taxonomy: description of both mutualistic and parasitic fungal species.
- Diagnostics (including ectomycorrhizal community composition as diagnostic bioindicators).
- Control: biological, physical and chemical control in agricultural, forest and ornamental plants, including low impact trunk injection devices and products.

### **Scientific and expertise relevant cooperations:**

- 1996-2004: Technische Universität München, Lehrstuhl für Ökophysiologie der Pflanzen (Dr. H. Blaschke; Freising, D).
- 1996-2006: Ludwig-Maximilian-Universität, Bereich Biodiversitätsforschung Systematische Mykologie (Prof. R. Agerer, Munich, D);
- 1999: Ludwig-Maximilians-Universität, Institut für Statistik (Munich, D).
- 2003-2007: National Institute of Nuclear Physics, National laboratories at Legnaro PD.
- 2003-2007: Unitè Mixte de Recherche I.N.R.A. - Université H. Poincaré "Interactions Arbres / MicroOrganismes" (Dr. F. Martin and Dr. J. Garbaye; Nancy-Champenoux, F).
- 2005-2008: Corpo Forestale dello Stato (Roma). Planning of the field surveys, editing of the technical manual and training courses for SFC teams responsible for phytosanitary monitoring in the National Forest and Carbon Inventory (INFC 2005-08).
- 2006-2008: Agricultural University of Iceland, Department of Natural Resources and Environmental Sciences (Prof. Ó. Arnalds; Hvannejri, ICE).
- 2007-2008: European Commission, Directorate-General Health and Consumer Protection, Food and Veterinary Office: expert on inspection missions to Cyprus (*Seiridium cardinale*) and in Spain (*Gibberella circinata*). Curriculum-based appointment.
- 2012: Michigan State University, Department of Entomology (Prof. J. Wise; Lansing, USA).
- 2010-ongoing: Slovenian Forestry Institute, Department for Forest Protection (Dr. D. Jurc; Ljubljana; SLO).
- 2011-ongoing: University of Zagreb, Faculty of Forestry (Prof. D. Diminic; Zagreb, HR)
- 2012-ongoing: Austrian research centre for forests (BFW), unit of Phytopathology (Dr. T. Cech, Vienna, A).
- 2014: IPPC/FAO: member of the Expert working group "International movement of wood products".
- 2007-ongoing: Higher Institute for Environmental Protection and Research (ISPRA). Member of the Scientific Committee of the "Special project fungi".
- 2007-ongoing: Ministry of Agricultural, Food and Forestry Policies, central phytosanitary service. Italian representative at EPPO (European and Mediterranean Plant Protection Organization on the panel "Quarantine pests in forestry". Curriculum-based appointment.
- 2009-ongoing: European and Mediterranean Plant Protection Organization (EPPO): core member in the compilation and evaluation of Pest Risk Analyses. Curriculum-based appointment.
- invited speaker at several international workshops and congresses, including the University of Zagreb and the Michigan State University.
- 2015- ongoing: Universidad de Extremadura, Grupo de Investigacion forestal (Prof. A. Solla).
- 2015-ongoing: Plant diseases expert in the Board of the Unesco Botanical Garden of the University of Padova.

### **Reviewer/editor for international journals:**

- 2014-ongoing: Member of the Editorial Board of Jove (Journal of Visualized Experiments, USA).

2015-ongoing: Member of the Editorial Board of Arb Journal (UK).  
Referee for the indexed journals Forest Pathology, European Journal of Forest Research, Journal of Plant Pathology, Trees - Structure and Function, Annals of Forest Science, Croatian Journal of Forest Engineering, Plant Disease, Forest@, Crop Protection, and book chapters edited by Springer.

### **Member of the Scientific committee in international conferences**

### **Main participation in international R&D projects:**

- "BACCARA. Biodiversity and climate change, a risk analysis": FP7- Food, Agriculture and Fisheries, and Biotechnology-KBBE (coord. H. Jactel, Institut National de la Recherche Agronomique, Bordeaux, F).
- "Climate-fit forests": FP7-People-Marie Curie-Irses. (coord. H. Pretzsch, Technische Universität München, D).
- "PERMIT. Pathway evaluation and pest risk management in transport": Cost Action FP1002, 2010-2014 (coord. H. Evans, Forestry Commission, UK).
- "FRAXBACK. Fraxinus dieback in Europe: elaborating guidelines and strategies for sustainable management": Cost action FP1103, 2012-2016 (coord. R. Vasaitis, Swedish University of Agricultural Sciences, SE).

### **Awards:**

- 2001: International Scientist of the Year (International Biographical Centre, Cambridge, UK).
- 2010: Included in the 27th edition of "Who's Who in the World" (Marquis Who's Who, NJ, USA).
- 2012: Oroflor/Flormart International Innovation Prize for the Trunk injection device "Bite".
- 2014: Editor's Pick for the following paper: Montecchio L., 2013. A Venturi effect can help cure our trees. Journal of Visualized Experiments, 80, e51199, doi:10.3791/51199.

### **Publications:**

The scientific activity is documented by approximately 160 scientific and technical papers and book chapters, international reports, congress talks and posters.