

## CURRICULUM VITAE

Name: Giovanni Giuseppe Vendramin

Date and Place of Birth: 15.11.1957, Brunico (BZ), Italy

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Via Madonna del Piano, 10 - 50019 Sesto Fiorentino (Firenze), Italy,  
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- ✓ Feb. 1981: Graduated in Forest Sciences magna cum laude at the University of Florence
- ✓ June 1982: Research associate at the Silviculture Institute, University of Florence
- ✓ Nov. 1983: Fellowship at the Silvicultural Institute, University of Florence
- ✓ Apr. 1985: permanent position as Researcher at the Forest Tree Breeding Institute of the National Research Council of Florence
- ✓ Jun. 1986: Research fellow at the Forest Genetics Institute, University of Gottingen, Germany
- ✓ Nov. 1989: Research fellow at the Forest Genetics Institute, University of Gottingen, Germany
- ✓ Jun. 1996: Research fellow at the USDA, Forestry Sciences Lab., Rhinelander, Wisconsin, USA
- ✓ Dec. 1998: permanent position as Senior Researcher at the Forest Tree Breeding Institute of the National Research Council
- ✓ Jan 2002: permanent position as Director of Research at the Plant Genetics Institute of the National Research Council
- ✓ Aug 2008: responsible of the Plant Genetics Institute – Division of Firenze of the National Research Council
- ✓ Sep 2012: *doctor honoris causa* at the University of Zvolen, Slovakia
- ✓ Oct 2013: *ad interim director* of the Institute of Biosciences and Bioresources of the National Research Council (former Plant Genetics Institute)
- ✓ Mar 2014: Habilitation as university full professor
- ✓ Aug 2014: Director of the Institute of Biosciences and Bioresources of the National Research Council
- ✓ Aug 2018: *ad interim director* of the Institute of Biosciences and Bioresources of the National Research Council (former Plant Genetics Institute)

Coordinator of the International Union of Forestry Research Organization (IUFRO), Division 2, subdivision 2.04.00 “Genetics” (2000-2005)

Coordinator of the International Union of Forestry Research Organization (IUFRO), Division 2, subdivision 2.04.00 “Genetics” (2006-2010)

Coordinator of the International Union of Forestry Research Organization (IUFRO), Division 2, subdivision 2.04.00 “Genetics” (2011-2018)

Ad Hoc Grant Reviewer for the European Commission (May 1995, November 1995, April 1996, July 1996, July 1997, July 1998, September 1999)

Ad Hoc Grant Reviewer for the Terrestrial Sciences Research Grants Team, United Kingdom (November 2002)

Ad hoc Grant Reviewer for the Deutsche Forschungsgemeinschaft (DFG), Germany (January and March 2005, January 2006)

Ad hoc Grant Reviewer for the “National Sciences and Engineering Research Council of Canada (NSERC)”, Canada (January 2006)

Ad Hoc Grant Reviewer for the “French National Research Agency (ANR)”, France (November 2011)

Ad Hoc Grant Reviewer for the “NOW Department, Earth and Life Sciences”, The Netherland (January 2012)

Ad Hoc Grant Reviewer for the European Commission, ERC proposals (March 2018)

Member of the specialist advisory group (Family Editorial Panel) for the Euro+Med PlantBase project

Member of the Scientific Committee of the Forest Tree Breeding Institute of the CNR of Florence and of the Forest Tree Pathology Institute of the CNR of Florence

Member of the Scientific Committee of International Doctoral scholarships in Agrobiodiversity, Sant’Anna School of Advanced Studies, Pisa, Italy, Curriculum A - Plant genetic resources.

Italian representative of the CNR within the programme “Tropical Canopy Research”, sponsored by the European Science Foundation.

Italian representative within the programme “EUFORGEN – Network Conifers”, sponsored by IPGRI and supported by the Italian Ministry of Agriculture and Forestry (Phase II, III and IV (2010-2014)).

Italian representative (expert) within the programme “Streamlining European 2010 Biodiversity Indicators”, sponsored by the European Union and coordinated by the European Environmental Agency

Member of the Scientific Board of the Italian Society of Plant Genetics (SIGA) (2005-2007)

Honorary Research Fellow at Bioversity International, Rome (2012)

Scientific responsible of the genomic platform Genexpress of the Department of Agricultural Biotechnology of the University of Florence, Italy (2004-2009)

Member of the Italian Academy of Forest Sciences

Member of the jury for the evaluation of PhD thesis at the:

University of Montpellier (France), March 1996,  
University of Marseille (France), April 1998 and June 1999,

University of Madrid (Spain), December 1999,  
 University of Oulu (Finland), April 2001,  
 University of Umea (Sweden), May 2001,  
 University of Paris (France), November 2001,  
 University of Marrakesh (Morocco), December 2001,  
 University of Nancy (France), January 2002.  
 University of Varese (Italy), February 2006,  
 University of Siena (Italy), March 2006  
 University of Udine (Italy), May 2006  
 University of Pisa (Scuola Superiore Sant'Anna) (Italy), October 2008, March 2010  
 University of Copenhagen (Denmark), October 2010  
 University of Antylles and Guyane (French Guyana), December 2011  
 University of Montpellier (France), April 2013

Scientific responsible of the following projects:

- 1) "*Development and adaptation of rapid molecular screening techniques for assessing genetic diversity in forest trees*" sponsored by the European Union (01/09/1993-31/08/1996) (Contract BIO2-CT93-0373)
- 2) "*Adaptation and selection of Mediterranean Pinus and Cedrus for sustainable afforestation of marginal lands*" sponsored by the European Union (01/03/1996-29/02/2000) (Contract FAIR CT95-0097)
- 3) "Costruzione di una mappa genetica in abete rosso (*Construction of a genetic map in Norway spruce*)", programma di Ricerca "Biotecnologie vegetali", sponsored by the Ministero dell'Agricoltura e Foreste Italiano (1997-1999) (DM 566/7240/97 del 24/12/1997)
- 4) "*New methods of monitoring genetic diversity in forest trees*" finanziato dallo *United States Department of Agriculture* (USDA) (Contract n. 23-98-20-CA) (01/09/1998-31/08/2001)
- 5) "*Development, optimization and validation of molecular tools for assessment of biodiversity in forest trees*", sponsored by the European Union (01/11/1996-31/10/1999) (Contract BIO4-CT96-0706)
- 6) "*Biodiversity in alpine forest ecosystem: analysis, protection and management*", sponsored by the European Union (01/02/1997-31/01/2000) (Contract FAIR3-CT96-1949)
- 8) "*Measuring molecular differentiation of European deciduous forests for conservation and management*" sponsored by the European Union (01/04/1998-31/07/2002) (Contract FAIR5-CT97-3795)
- 9) "*Global, physiological and molecular responses to climatic stresses of three Mediterranean conifers (pines of the halepensis - brutia section, maritime pine and Mediterranean cedars). Consequences for optimal use, conservation and sustainable improvement of their genetic resources*" sponsored by the European Union (01/09/1997-31/08/2001) (Contract EC18-CT97-0200).
- 10) "*Dynamics of forest tree biodiversity: linking genetics, paleogenetic and plant historical approaches*", sponsored by the European Union (01/03/2000-30/09/2003) (Contract EVK2-CT1999-00036)
- 11) "*The dynamic nature of introgressive hybridisation in natural and introduced polyploid plants from agricultural and riparian landscapes: an evaluation with molecular tools*", sponsored by the European Union (01/10/2000-30/09/2003) (Contract QLK3-CT-2000-30227)
- 12) "*Construction and application of a multifunctional and saturated genetic map for coniferous species*", sponsored by the European Union (01/02/2000-31/01/2003) (Contract QLK5-CT99-01159)
- 13) "*Effects of silvicultural regimes on dynamics of genetic and ecological diversity of European beech*", sponsored by the European Union (01/02/2000-31/01/2004) (Contract QLK5-CT1999-01210)
- 14) "*Biogeography of Larix: an important tool for the definition of genetic resources conservation*", sponsored by the

European Union (01/06/2000-31/05/2004) (Contract INTAS-01358)

- 15) “*Intra and interspecific gene flow in oak as mechanisms promoting genetic diversity and adaptive potential*” sponsored by the European Union (01/01/2001-31/12/2004) (Contract QLK5-2000-00960)
- 16) “*Developing best practice for seed sourcing for planting and natural regeneration in the neotropics, SEEDSOURCE*” sponsored by the European Union (2004-2008) (01/05/2005-30/04/2009)
- 17) “*Evolution of Trees as Drivers of Terrestrial Biodiversity, EVOLTREE*” (European Network of Excellence) sponsored by the European Union (2006-2010) (01/01/2006-30/12/2010)
- 18) “*Novel tree breeding strategies, NOVELTREE*” sponsored by the European Union (2008-2011) (01/07/2008-30/06/2011)
- 19) “*Towards the Sustainable Management of Forest Genetic Resources in Europe, FORGER*” sponsored by the European Union (2012-2016) (01/03/2012-28/02/2016)
- 20) “*Promoting a functional and comparative understanding of the conifer genome- implementing applied aspects for more productive and adapted forests, ProCoGen*”, sponsored by the European Union (2012-2015) (01/01/2012-30/06/2015)
- 21) “*Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest tree to climate change in Europe (MaP-FGR)*”, COST-Action sponsored by the European Union (2012-2016) (08/11/2012-07/11/2016)
- 22) “*Optimising the management and sustainable use of forest genetic resources in Europe*” (GenTree), sponsored by the European Union H2020 (2016-2020)
- 23) “*Fostering forest system resilience through managing biodiversity, from genes to communities (Biodiversity)*”, European Project INFORMED (INtegrated research on FOrest Resilience and Management in the mEDiterranean)
- 24) “*Tree fragmented populations from refugial areas: the anfiadriatic connection*”, CNR MoS - Bilateral Project Italy/Montenegro (2015-2016)
- 25) “*Indagine su provenienza genetica e livello autoctonia dei popolamenti artificiali di Abies alba presenti nel territorio del Parco Nazionale della Majella*”, Parco Nazionale della Majella (2017)
- 26) “*Conservazione in situ del germoplasma di pino loricato. Azione 1 – Indagini genomiche ed ecofisiologiche: adattamenti ai cambiamenti climatici del pino loricato*”, Parco Nazionale del Pollino (2016)
- 27) “*Conservazione in situ del germoplasma di pino loricato. Azione 2 – Studio della variabilità genetica adattativa*”, Parco Nazionale del Pollino (2017)
- 28) “*Adaptive responses to drought in Pinus heldreichii along altitudinal transects in the Apennines and the Balkans*”, CNR MoS- Bilateral Project Italy/Montenegro (2017-2018)
- 29) “*Tropospheric ozone effects on forest growth and diversity*” (TROZGRODIV2), CNR - Bilateral Project Italy/Romania (2017-2018)
- 30) “*Adaptive breeding for productive, sustainable and resilient forests under climate change*” (B4EST), sponsored by the European Union H2020 (2018-2022)

Associated Editor of the scientific journal:

- Tree Genetics and Genomes
- I-Forest

- PLoS One
- Genetic Resources and Crop Evolution

Member of the Editorial Board of the following scientific journals:

- Forest Genetics
- New Forest
- Annals of Forest Sciences

Ad Hoc Reviewer for the following scientific journals:

- Molecular Ecology
- Annals of Forest Sciences
- Theoretical and Applied Genetics
- Genome
- Forest Genetics
- Journal of Experimental Botany
- Silvae Genetica
- Proceedings of the Royal Academy of London
- Canadian Journal of Forest Research
- Journal of Molecular Breeding
- Environmental Conservation
- Plant Biology
- Journal of Ecology
- Conservation Genetics
- Annals of Botany
- Journal of Molecular Evolution
- American Naturalist
- Plant Systematic and Evolution
- New Phytologist
- Taxon
- Heredity
- Tree Genetics and Genomes
- Advances in Horticultural Sciences
- Scientia Horticulturae
- American Journal of Botany
- Molecular Biology and Evolution
- Perspectives in Plant Ecology, Evolution and Systematics
- Journal of Biogeography
- BMC Evolutionary Biology
- Australian Journal of Botany
- Canadian Journal of Botany
- Genetica
- Forest Ecology and Management
- Molecular Ecology Resources
- New Forest
- PLoS one
- BMC Genetics
- Botany
- New Forests
- Plant Molecular Biology Reporter
- Biological Journal of the Linnean Society
- Trees – Structure and Function
- Evolutionary Applications
- Journal of Heredity

Invited speaker at:

- Università degli Studi di Napoli
- Università degli Studi di Ancona
- Università degli Studi di Firenze
- Università degli Studi di Sassari
- Università degli Studi della Calabria
- Università degli Studi di Milano
- Università degli Studi di Ferrara
- Università dell'Insubria di Varese
- Università degli Studi di Siena
- Università degli Studi di Campobasso
- Università degli Studi di Viterbo
- Università degli Studi di Torino
- Università degli Studi di Bari
- Università degli Studi di Perugia
- Istituto per l'Agroselvicoltura, CNR, Porano (TR)
- Istituto di Genetica Vegetale, CNR, Sezione di Perugia
- Stazione Zoologica, Anton Dohrn, Napoli
- Azienda delle Foreste Sardegna, Cagliari
- IASMA, San Michele all'Adige, Trento
- CRA - Istituto Sperimentale Selvicoltura, Arezzo
- Orto Botanico Forestale, Abetone
- Scuola Superiore di Studi Sant'Anna, Pisa
- Accademia dei Georgofili, Pisa
- Accademia Italiana di Scienze Forestali, Firenze
- Istituto di Genetica Vegetale, CNR - Sezione di Palermo
- Istituto di Genetica Vegetale, CNR - Sezione di Bari
  
- University of Gottingen, Germany
- Trinity College, Dublin, Ireland
- University of Munich, Germany
- University of Bonn, Germany
- INRA, Pierroton, France
- University of Jerusalem, Israel
- University of Marburg, Germany
- International Plant Genetic Resources Institute (IPGRI), Rome
- Institut of Forest Genetics, Grosshansdorf, Germany
- The Royal Veterinary and Agricultural University, Copenhagen, Denmark
- University of Zuerich, Institute for Systematic Botany, Zuerich, Switzerland
- INRA, Kourou, French Guiana
- University of Zvolen, Slovakia
  
- Meeting on "*Genome analysis in conifer*", February 10-11, 2000, Freising, Germany
- International Conference on "*Wood, Breeding, Biotechnology and Industrial expectations*", June 11-14, 2001, Bordeaux, France
- International Symposium of "*Population and Evolutionary Genetics of Forest Trees*", Stara Lesna, Slovakia, August 25-29, 2002
- International Symposium on "*Introducing genetic and palaeogenetic approaches in plant palaeology and archaeology*", Bordeaux, France, September 5-6, 2003.
- International Symposium on "*Forest Genetics and its Contribution to Sustainability in Forestry and to Consumer Protection*", Grosshansdorf, Germany, February 18-19, 2004.
- Indonesia-Italy workshop on "*Wood research and industrial needs for the forestry wood sector*", Jakarta, 17-19 May, 2004.

- International Workshop “*The role of Biotechnology for the characterisation and conservation of crop, forestry, animal and fishery genetic resources*”, Turin, Italy, 5-7 March 2005
- International meeting on “*Winter survival of plants and plant-microbe interactions at low temperatures. Plant and Microbe adaptations to cold*”, Salsomaggiore Terme, Italy, May 16-20, 2006
- IUFRO Division 2 Joint Conference “*Low input breeding and genetic conservation of forest tree species*”, Antalya, Turkey, October 9-13, 2006
- Joint Conference IUFRO “*Population genetics and genomics of forest trees: from gene function to evolutionary dynamics and conservation*”, Alcalá de Henares (Madrid), Spain, October 1-6, 2006
- Annual meeting of the Italian Society of Ecology (SIte), Viterbo, Italy, 19 September, 2006
- Expert Joint Meeting, FAO-Silva Mediterranea and IUFRO 20213, “*Promotion and use of results from the international trials of Mediterranean Conifers*”, Arezzo and Rome, 21-23 June 2007
- International Meeting on “*Genes, genomes and genealogy for the conservation of biodiversity*”, Cuenca, 2-4 July, 2007, Spain
- 80<sup>th</sup> Meeting of the Italian Society of Experimental Biology, Trento, Italy, 29/11-01/12, 2007
- International Workshop “*Population, quantitative and comparative genomics of adaptation in forest trees*” Monte Bondone (TN), 3-5 August 2008.
- 12<sup>th</sup> International Palynological Congress, Bonn (Germany), August 30 – September 5, 2008
- The 8th IUFRO International Beech Symposium, organized by IUFRO Working Party 1.01.07 “*Ecology and Silviculture of Beech*”, Hokkaido, Japan, September 8-13, 2008.
- II Simposio Brasileiro de Genética Molecular de Plantas, Buzios, Rio de Janeiro, Brazil, March 31 to April 03, 2009.
- Workshop on “*Forests at the limit: evolutionary – genetic consequences of environmental changes at the receding (xeric) edge of distribution*” Sopron, Hungary, 15-15 May, 2009.
- International Scientific Conference “*Balkans – Hot spots of ancient and present genetic diversity*” Sofia, Bulgaria, 17-20 June, 2009.
- Meeting on “*Molecular Biodiversity: concepts, technologies and applications*”, Roma, Italy, 9-10 July, 2009
- International Workshop “*Opportunities, challenges and limitations of genomics-based technologies in forest tree breeding and forest genetics*”, Freiburg, Germany, 7-9 October 2009
- International IUFRO Conference “*Sustainable Utilisation and Conservation of Forests in the Genomics Era*”, Kuala Lumpur, Malaysia, March 7-12, 2010.
- Workshop II: Biodiversity “*Environmental research at the Fondazione Edmund Mach*”, San Michele all’Adige (TN) Italy, 17 June 2010.
- International Joint Meeting National Research Council of Italy/Food Agriculture Organisation “*International year of forests: research need and perspectives*”, Roma, October 17, 2011
- Third “*Biological Evolution Workshop*”, Porto Alegre, Brasil, November 7-9, 2011
- First International Conference “*The role of biobanks for research and protection of forest biodiversity*”, University of Tuscia, Viterbo, 19-21 April, 2012
- 107<sup>o</sup> Annual Meeting of the Italian Society of Botany (SBI), 18-22 September 2012, Benevento, Italy.
- V Congress of the Italian Society of Evolutionary Biology (SIBE), “*Adaptation of Mediterranean forest species to climatic gradients: a forest genetic perspective*”. 28-31 August 2013, Trento, Italy
- II International Congress of Silviculture designing the future of the forestry sector. Florence (Italy) 26-29 November 2014
- Sixth International Conference “*Drylands, Desert and Desertification-theory and Practice*”. Ben-Gurion University of the Negev, The Jacob Blaustein Institutes for Desert Research, Beer Sheva, Israel. 6-9 November 2017

Invited by the Associazione Italiana Genetica to present a lecture on “*Filogeografia e conservazione delle foreste in Europa*” during the course “*Genetica della Conservazione*”, Cortona (Italy), 10-12 Novembre 2003

Invited by the scientific committee of the Advanced Research Workshop entitled “*Genomic Approaches to Forest Tree Stress Tolerance*” to teach the following topics: Classroom instruction: Total hours 5, topics: Generation and use of SSR markers, Introduction to population genetics, DNA fingerprinting, Trends in Tree Breeding and conservation. Molecular laboratory instruction: total hours 10, topics: hands-on practical exercises on i) DNA extraction and quantification, ii) generation of SSR markers. Computer laboratory and software applications: Total hours 5, topics: Population structure, gene flow, primer design. The Workshop was funded by the European Union (DG RTD / QLK5 CT-2001- 30246) with coupling funds provided by the Centre International des Hautes Etudes Agronomiques Méditerranéennes - Mediterranean Agronomic Institute of Chania; MAICH. The activities of the workshop lasted for two weeks and were realized in the premises of MAICH in Chania, Crete, Greece.

Invited as teacher at the course “*Molecular population genetics for tree populations*” at the Department of Biology, University of Oulu (Finland), 7-9 December 2006.

Teacher at the International Doctoral scholarships in agrobiodiversity, Sant’Anna School of Advanced Studies, Pisa, Italy, Curriculum A - Plant genetic resources. Course on population and conservation genetics: year 2005, 120 hours; year 2006, 74 hours.

Teacher at the course organized by the Italian Society of Crop Genetic (SIGA) on “*Population Genetics and Molecular Markers*”: year 2006, 2 hours; year 2008, 2 hours. Monsampolo (AP), Italy.

Teacher at the course “*Genomica delle Specie Vegetali*” master course of “*Biotechnologie per l’Agroindustria*” at the University of Naples, Italy, year 2008: 20 hours.

Teacher at the training course on “*DNA sequence analysis and association genetics*”, Valsain, Segovia, Spain, 13-17 July, 2009

Teacher at the training course “*Genetica di popolazioni e genotipizzazione*”, “Principi di Miglioramento genetico e prospettive di applicazione al settore vegetale, animale e microbico”. SIGA, Salsomaggiore Terme, 11-14 maggio 2010.

Teacher at the training course “*Using diversity to understand fundamental processes of speciation and genome organization*” organized with the patronage of Consorzio Interuniversitario Biotechnologie (CIB), Vitorchiano (VT), 20-22 June 2011.

Teacher at the summer school “*Genetic and ecological properties of marginal populations and their importance for conservation and use under climate change*” organized by the COST Action MAP/FGR, Chania (Greece), 14-19 July 2013.

Colaboracion Docente en el Curso de Verano “*Adaptation and evolution of Marginal-Peripheral populations of forest trees at the leading, altitudinal and rear edges of species distribution*” celebrado en Jaca (Huesca) del 7 al 11 de Julio de 2014. Universidad Zaragoza.

Chairperson at the following meetings:

- International IUFRO Conference on “*Genetic Responses of Forest Systems to Changing Environmental Conditions*”, September 1999, Freising, Germany.
- International Conference on “*Wood, Breeding, Biotechnology and Industrial expectations*”, June 11-14, 2001, Bordeaux, France
- International Symposium of “*Population and Evolutionary Genetics of Forest Trees*”, Stara Lesna, Slovakia, August 25-29, 2002
- Dygen Conference “*Dynamics and conservation of genetic diversity in forest ecosystems*”, Strasbourg, France, December 2<sup>nd</sup>-5<sup>th</sup>, 2002.
- Workshop “*Conservation, management and sustainable use of forest genetic resources with reference to Brazil and Argentina*”, San Carlos de Bariloche, Argentina, 28 April-2 May, 2003
- XXII IUFRO World Congress “*Forest in the balance: linking tradition and technology*”, Brisbane, Australia, August 8-13, 2005
- Joint Conference IUFRO “*Population genetics and genomics of forest trees: from gene function to evolutionary dynamics and conservation*”, Alcalá de Henares (Madrid), Spain, October 1-6, 2006
- Annual meeting of the Italian Society of Evolutionary Biology (SIbE), Firenze, Italy, 4-7 September, 2006
- Annual meeting of the Italian Society of Plant Genetics (SIGA), Ischia, Italy, 10-14 September, 2006
- Annual meeting of the Italian Society of Ecology (SIeE), Viterbo, Italy, 19 September, 2006
- Annual meeting of the Italian Society of Plant Genetics (SIGA), Riva del Garda, Italy, 23-26 September, 2007
- IX Annual Congress of the Italian Life Sciences Federation (FISV), Riva del Garda, Italy, 26-29 September, 2007
- IUFRO-CTIA 2008 Joint Conference “*Adaptation, Conservation and Breeding in the Era of Forest Tree Genomics and Environmental Change*”, Quebec City, Canada, August 25-28, 2008.
- Annual meeting of the Italian Society of Plant Genetics (SIGA), Padova, Italy, 14-18 September, 2008
- Workshop on “*Forests at the limit: evolutionary – genetic consequences of environmental changes at the receding (xeric) edge of distribution*” Sopron, Hungary, 15-15 May, 2009.



- Annual Meeting of the Italian Society of Plant Biology (SIBV), Verona, Italy, 30<sup>th</sup> June-02<sup>nd</sup> July, 2009
- International IUFRO Conference “*Sustainable Utilisation and Conservation of Forests in the Genomics Era*”, Kuala Lumpur, Malaysia, March 7-12, 2010.
- International Workshop “*Tree breeding, Genomics and Evolutionary Biology: new synergies to tackle the impact of climate change in the 21st century*”, 16-17 October 2012, Helsinki, Finland.
- International IUFRO Conference “*Forest tree breeding conference*”, 25-29 August 2014. Prague, Czech Republic.
- IUFRO Meeting on Tree Biotechnology Conference “*Forests: the importance to the planet and society*”, Florence, Italy, 8-12 June, 2015
- 11° Convegno Nazionale sulla Biodiversità “*Biodiversità e intensificazione ecosostenibile*”, 9-10 Giugno 2016, Matera, Italy
- 12° Convegno Nazionale sulla Biodiversità “*Biodiversità, Ambienti, Salute*”, 13-15 Giugno 2018 Campus A. Saliceti, Università degli Studi di Teramo, Italy

Scientific Board of the following international Congresses:

- IUFRO World Congress on “*Forest genetic and Improvement*”, China, August 1998
- IUFRO World Congress on “*Genetic response of forest systems to changing environmental conditions – Analysis and management*”, Germany, September 1999.
- International Conference on “*Wood, Breeding, Biotechnology and Industrial expectation*”, Bordeaux (France), 2001.
- IUFRO Congress on “*Population and Evolutionary Genetics of Forest Tree Species*”, Stará Lesná, Slovakia, August 25-29, 2002
- IUFRO Conference on “*Population, evolutionary and ecological Genomics of forest trees*”. Asilomar, USA, September 13-17, 2004
- XXII IUFRO World Congress “*Forest in the balance: linking tradition and technology*“, Brisbane, Australia, August 8-13, 2005
- IUFRO Division 2 Joint Conference “*Low input breeding and genetic conservation of forest tree species*”, Antalya, Turkey, October 9-13, 2006
- Joint Conference IUFRO “*Population genetics and genomics of forest trees: from gene function to evolutionary dynamics and conservation*”, Alcalá de Henares (Madrid), Spain, October 1-6, 2006
- Annual meeting of the Italian Society of Plant Genetics (SIGA), Ischia, Italy, 10-14 September, 2006
- Annual meeting of the Italian Society of Plant Genetics (SIGA), Riva del Garda, Italy, 23-26 September, 2007
- IX Annual Congress of the Italian Life Sciences Federation (FISV), Riva del Garda, Italy, 26-29 September, 2007
- IUFRO-CTIA 2008 Joint Conference “*Adaptation, Conservation and Breeding in the Era of Forest Tree Genomics and Environmental Change*”, Quebec City, Canada, August 25-28, 2008.
- Workshop on “*Forests at the limit: evolutionary – genetic consequences of environmental changes at the receding (xeric) edge of distribution*” Sopron, Hungary, 15-15 May, 2009.
- International Scientific Conference “*Balkans – Hot spots of ancient and present genetic diversity*” Sofia, Bulgaria, 17-20 June, 2009.
- International IUFRO Conference “*Sustainable Utilisation and Conservation of Forests in the Genomics Era*”, Kuala Lumpur, Malaysia, March 7-12, 2010.
- International Workshop “*Tree breeding, Genomics and Evolutionary Biology: new synergies to tackle the impact of climate change in the 21st century*”, 16-17 October 2012, Helsinki, Finland.
- IUFRO Meeting on “*Genetics of Fagaceae & Nothofagaceae*”, 9-12 October 2012, Talence, France
- Cost Action FP0905 “*Biosafety of forest transgenic trees: improving the scientific basis for sale tree development and implementation of EU policy directives*” March 4-5 2014, Rome, Italy
- 5 International Conference on Mediterranean Pines (Medpine 5), 22-26 September 2014, Solsona, Spain
- IUFRO Meeting on Tree Biotechnology Conference “*Forests: the importance to the planet and society*”, Florence, Italy, 8-12 June, 2015
- 11° Convegno Nazionale sulla Biodiversità “*Biodiversità e intensificazione ecosostenibile*”, 9-10 Giugno 2016, Matera, Italy
- 12° Convegno Nazionale sulla Biodiversità “*Biodiversità, Ambienti, Salute*”, 13-15 Giugno 2018 Campus A. Saliceti, Università degli Studi di Teramo, Italy

## PRESENT JOB DUTIES

Establish and maintain a research program that provides knowledge leading to the solution of the problems of the conservation of forest tree genetic resources, and contribute to the general knowledge in the area of the tree population genetics. The research program's focus is the description and the analysis of the dynamics of genetic diversity in coniferous and broadleaved forest species, including the development of simple and efficient molecular methods to obtain information on the amount and distribution of genetic variation and on gene flow and to study migration history and phylogeography. Main focus is given to studies aiming at dissecting the role of demography and selection in shaping the distribution of diversity in forest tree species.

Advice and direct national and international graduate students, PhD students and post-doc.

Research interest:

- population genetics of forest trees
- conservation genetics of forest trees
- phylogeography of forest tree species
- identification and characterisation of molecular markers in forest trees (SSRs, SNPs)
- use of molecular markers in forest genetics and breeding
- plant genome organization
- molecular basis of adaptation

## Papers in international journals

**(at present G.G. Vendramin holds an H index of 61 (Google Scholar),  
total citations: 14500,  
38 papers with more than 100 citations)**

1. M. Borghetti, **G.G. Vendramin**, A. Veneziano, R. Giannini (1986) - Influence of stratification on germination of *Pinus leucodermis*. Canadian Journal of Forest Research 16: 867-869.
2. M. Borghetti, G.G. Vendramin, R. Giannini (1986) - Specific leaf area and leaf area index distribution in a young Douglas-fir plantation. Canadian Journal Forest Research 16: 1283-1288.
3. M. Borghetti, P. Menozzi, **G.G. Vendramin**, R. Giannini (1986) - Morphological variation in chestnut fruits (*Castanea sativa* Mill.) in Tuscany (Italy). Silvae Genetica 35: 124-128.
4. M. Borghetti, G.G. Vendramin (1987) - Seasonal changes of soil and plant water relations in Douglas-fir forest. Acta Oecologica-Oecologia Plantarum 22 (8): 113-126.
5. R. Giannini, M. Lambardi, **G.G. Vendramin** (1987) - Some observations on graft incompatibility in Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco). Acta Horticulturæ 227: 84-86.
6. P. Calamassi, S. Puglisi, **G.G. Vendramin** (1988) - Genetic variation in morphological and anatomical needle characteristics in *Pinus brutia* Ten.. Silvae Genetica 37: 199-206.
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