

## CURRICULUM VITAE

### Personal Data

**Full name:** Thomas Raimund Jung  
**Birth place and date:** Rosenheim, 27<sup>th</sup> May 1965  
**Nationality:** German



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[Web of Science \(ResearcherID F-1665-2013\)](#)

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[Google Scholar Profile](#)

[ResearchGate Profile](#)

<http://www.tree-diseases.com>

## Academic Qualifications

- 1996 PhD in Forest Sciences – Ludwig-Maximilians-University, Munich.
- 1993 Graduate Degree in Forest Sciences – Ludwig-Maximilians-University, Munich.

## Previous and Current Scientific and Professional Activities

- Since 02/2026** Head of the Phytophthora Research Centre, Mendel University in Brno, Brno, Czech Republic.
- Since 05/2024** Expert member of the BiodivRestore Knowledge Hub: A pan-European Nature Restoration Knowledge Hub to strengthen the knowledge base for the implementation of Nature Restoration efforts.
- Since 04/2024** Adjunct Professor, Hasanuddin University, Faculty of Agriculture, Makassar, Sulawesi, Indonesia.
- Since 12/2016** Head Scientific Researcher of the Phytophthora Research Centre, Mendel University in Brno, Brno, Czech Republic. (Academic position since July 2018).
- 07/2016** Approval for funding of a Portuguese Foundation for Science and Technology Investigator Development Grant (IF/00974/2015). (Declined in November 2016).
- 05/2014 – 12/2018:** Management committee member of COST Action FP 1401 “A global network of nurseries as early warning system against alien tree pests (Global Warning)”.
- 01/2014 – 12/2016:** Leader of Working Package 4 ‘Detection and early warning of fungal and oomycete pathogens’ of BiodivERsA project RESIPATH: Responses of European Forests and Society to Invasive Pathogens.
- 01/2014 – 12/2016:** Member of the Centre for Mediterranean Bioresources and Food (MeditBio), Laboratory of Molecular Biotechnology and Phytopathology, Faculty of Sciences and Technology, University of Algarve, 8005-139 Faro, Portugal.
- 12/2012 – 12/2016:** Invited Researcher at the University of Algarve, Campus Gambelas, 8005-139 Faro, Portugal.
- Since 09/2012:** Co-Chair of IUFRO (International Union of Forest Research Organisations) Unit 7.02.09 “*Phytophthora* in Forests and Natural Ecosystems”.
- 03/2012 – 12/2013:** Member of IBB/CGB Plant and Animal Genomic Group, Laboratory of Molecular Biotechnology and Phytopathology, Faculty of Sciences and Technology, University of Algarve, 8005-139 Faro, Portugal.
- Since 11/2011:** Visiting Professor at the University of Sassari, Italy.
- 11/2010 – 11/2014:** Vice-Chair of COST Action FP 1002 “Pathway Evaluation and Pest Risk Management In Transport (PERMIT)”.
- 10/2010 – 09/2011:** Senior Research Fellow. Ingeniería Técnica Forestal, Universidad de Extremadura, Avenida Virgen del Puerto 2, 10600 Plasencia, Spain.

- 09/2009 – 08/2011:** Adjunct Senior Lecturer. Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, 90 South Street, Murdoch 6150, Western Australia.
- 11/2008 – 11/2012:** Coordinator of Working Group 4 “Management and Control of *Phytophthora* Diseases” of COST Action FP 0801 “Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe”. *Phytophthora* Research and Consultancy, Thomastrasse 75, D-83098 Brannenburg, Germany.
- 09/2008 – 08/2009:** Senior Lecturer. Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, 90 South Street, Murdoch 6150, Western Australia.
- 05/2002 – 05/2007:** Production of nine informative and scientific broadcasts on the involvement of *Phytophthora* species in tree declines in Europe in cooperation with 3 German TV stations (ZDF, BR, SWR). Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany and since 04/2005 *Phytophthora* Research and Consultancy in Brannenburg, Germany.
- Since 04/2005:** Independent scientist and consultant for tree diseases. *Phytophthora* Research and Consultancy, Am Rain 9, 83131 Nußdorf, Germany.
- 07/2003 – 09/2004:** Organisation and coordination of the 3rd Workshop of IUFRO Working Party 7.02.09 „*Phytophthora* in Forests and Natural Ecosystems“ in Freising, 11th – 17th September 2004. Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany.
- 09/2002:** Offer of the advertised permanent position as *Phytophthora* Project Leader at the Forest Research Agency, Farnham, Surrey, UK (declined due to the high costs of living in the southern UK). Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany.
- 08/2001 – 05/2002:** Organisation and coordination of the statewide survey of *Phytophthora* dieback of alders along more than 20000 river kilometers and in 3300 forest stands in Bavaria, Germany. Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany.
- 11/2000 – 03/2005:** Senior Postdoctoral Research Fellow. Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany.
- 03/1999 – 03/2005:** Consultant for tree diseases as sideway. Freelancer.
- 1998:** Arnold Sommerfeld Award of the Bavarian Academy of Sciences, acknowledging works on the clarification of the causes of oak decline.
- 07/1996 – 10/2000:** Postdoctoral Research Fellow. Institute of Forest Botany / Section Phytopathology of the Ludwig-Maximilians-University of Munich (from 10/1999 on Technical University of Munich, due to administrative reorganisations) in Freising, Germany.
- 07/1996:** PhD (Forest Sciences).
- 03/1993 – 06/1996:** PhD student. Institute of Forest Botany / Section Phytopathology of the Ludwig-Maximilians-University of Munich (LMU) in Freising, Germany. Title of thesis: Untersuchungen zur *Phytophthora* – Erkrankung europäischer Eichenarten mit besonderer Berücksichtigung der Stieleiche (*Quercus robur* L.): Ein Beitrag zur Klärung des Phänomens Eichensterben (Investigations on the *Phytophthora* disease of European oak species with special emphasis on pedunculate oak (*Quercus robur* L.): a contribution to clarify the phenomenon oak decline).

- 06/1990 - 12/1991:** Diploma thesis, title: 'Investigations on in vitro toxigenicity of *Ceratocystis/Ophiostoma* spp. and *Fusarium* spp. isolated from oak'. Institute of Forest Botany of the Ludwig-Maximilians-University of Munich (LMU) in Munich, Germany.
- 11/1986 – 03/1993:** Studies in Forest Sciences. Ludwig-Maximilians-University of Munich in Munich and Freising, Germany.

## Research and Professional Services

### Participation in R&D projects and cooperation

- 04/2023 – 03/2026:** Project OOMYCOAST (Characterising Oomycetes in Brown Algae along the Norwegian Coast). External consultant. Funded by the Norwegian funding agency Artsdatabanken (Project no. 70184247).
- 01/2023– 12/2026:** Horizon Europe project PurPest: Plant pest prevention through technology-guided monitoring and site-specific control. Coordinator of Working Package 4 'Tests and demonstration in relevant environment' and Principal Investigator of the team of Mendel University in Brno. Funded by the European Commission.
- 04/2022 – 12/2025:** BiodivERsA project RESTORESEAS: Marine forests of animals, plants and algae: nature-based tools to protect and restore biodiversity. Coordinator of Task 1.5 'Diversity and role of pathogens in restoration' and Principal Investigator of the team of Mendel University in Brno. Funded by TACR.
- 03/2022 – 02/2024:** Project PROMETEO (Un village transfrontalier: pour protéger les cultures arboricoles méditerranéennes en partageant les connaissances). Associated partner. Funded by the Programme IEV CT Italie-Tunisie 2014-2020 and co-funded by the European Commission.
- 03/2019 – 02/2024:** Project ALNUS (Screening *Alnus glutinosa* resistance to an emerging disease under climatic stressors: predicting alder forests resilience across river networks). External consultant. Funded by the Portuguese Foundation for Science and Technology (FCT, Ref. PTDC/ASP-SIL/28593/2017).
- 11/2016 – 05/2023:** Phytophthora Research Centre - Mendel University, Brno, Czech Republic. (Project registration no. CZ.02.1.01/0.0/0.0/15\_003/0000453; Project Reference no. MSMT-15932/2016-1. Head Scientific Researcher. Co-funded by Ministry of Education, Youth and Sports, Czech Republic and the European Regional Development Fund.
- 11/2015 – 10/2019:** Horizon 2020 project POnTE 'Pest Organisms Threatening Europe'. Principal Investigator and Beneficiary with own budget. Funded by the European Commission.
- 05/2014 – 04/2018:** COST Action FP 1401 "A global network of nurseries as early warning system against alien tree pests (Global Warning)". Management committee member. Funded by the European Commission.
- 01/2014 – 12/2016:** BiodivERsA project RESIPATH: Responses of European Forests and Society to Invasive Pathogens. Leader of Working Party 4 'Detection and early warning of fungal and oomycete pathogens'. Co-Principal Investigator of the Portuguese team of the University of Algarve. Funded by the Portuguese Foundation for Science and Technology (FCT).

- 07/2013 – 06/2014:** Exploratory project QuerResist ‘Screening of Asian oak species for potential resistance to *Phytophthora* spp.’ (EXPL/AGR-FOR/1304/2012). Principal Investigator. Funded by the Portuguese Foundation for Science and Technology (FCT).
- 01/2012 – 11/2014:** COST Action FP1103 ‘*Fraxinus* Dieback in Europe: Elaborating Guidelines and Strategies for Sustainable Management (FRAXBACK)’. Management Committee substitute. Funded by the European Commission.
- 01/2012 – 12/2014:** Project ‘Hacia una posible coexistencia entre *Quercus ilex* y nuevas especies de *Phytophthora* detectadas en el ámbito forestal’, Grupo de Investigación en Hongos Fitopatógenos del Instituto Agroforestal del Mediterráneo de la Universidad Politécnica de Valencia, Spain. External consultant. Funded by ‘el Programa Nacional de Proyectos de Investigación Fundamental convocado por el Ministerio de Ciencia e Innovación’, Madrid, Spain.
- 01/2012 – 12/2014:** Project ‘Regeneración de *Quercus ilex* ante nuevas especies de *Phytophthora* detectadas en el ámbito forestal’, Universidad de Extremadura in Plasencia, Spain. External consultant. Funded by ‘el Programa Nacional de Proyectos de Investigación Fundamental convocado por el Ministerio de Ciencia e Innovación’, Madrid, Spain.
- Since 10/2011:** Project NR12-0098-10/2011: ‘Application of phosphites as elicitors of tree resistance against root pathogens in nurseries and forest stands (Stosowanie fosforynów jako elicytorów odporności na patogeny korzeni w szkółkach leśnych i drzewostanach)’, Forest Research Institute (Instytut Badawczy Leśnictwa IBL), Raszyn, Poland. External consultant. Funded by the National Centre for Research and Development.
- 11/2010 – 11/2014:** COST Action FP 1002 “Pathway Evaluation and Pest Risk Management In Transport (PERMIT)”. Vice-Chair of the Action. Funded by the European Commission.
- 08/2009 – 08/2011:** ‘Involvement of *Phytophthora* species in the decline of *Eucalyptus rudis* in riparian ecosystems in Western Australia’. Consultant and Supervisor of the Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia. Funded by Murdoch University and the State Centre of Excellence on Climate change and Woodland and Forest Health, Western Australia.
- 01/2009 – 01/2012:** ‘Identification and characterisation of *Phytophthora* isolates associated with alder decline in Spain’. External consultant and Supervisor of the Universidad de Valladolid, Departamento de Producción Vegetal y Recursos Forestales, Spain. Funded by the Universidad de Valladolid.
- 11/2008 – 11/2012:** COST Action FP 0801 “Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe”. Coordinator of Working Group 4 “Management and Control of *Phytophthora* Diseases”. Funded by the European Commission.
- 01/2008 – 12/2010:** ‘Monitoring *Quercus* decay in Extremadura to check its relation with soil properties and the presence of *Phytophthora cinnamomi* and mycorrhizae’. External consultant and Supervisor of the Universidad de Extremadura in Plasencia, Spain. Funded by the Consejería de Industria, Energía y Medio Ambiente, Junta de Extremadura, Spain.
- 01/2008 – 12/2009:** Bilateral project between Spain and Portugal ‘*Quercus* decay in the Iberian Peninsula: analysis of a cross-border problem’. External consultant and Supervisor of the Universidad de Extremadura in Plasencia, Spain. Funded by the UE - Ministerio de Educación y Ciencia (Acción Integrada España-Portugal), Madrid, Spain.

- 09/2008 – 08/2011:** Project 'Survival strategies of *Phytophthora cinnamomi* and other *Phytophthora* species in the Jarrah and Tingle Forest, the Banksia Woodlands and heathlands of Western Australia and potential eradication techniques'. Senior Research Associate (until 08/2009) and Adjunct Senior Lecturer (since 09/2009) at the Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia.
- 08/2008 - 12/2010:** Project 'CODIBE - Complex disease of beech – root and stem diseases of beech in deciduous stands of Lower Austria after climatic extremes'. Senior Researcher and external contractor of the Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna, Austria.
- 05/2007 – 08/2011:** 'Potential role of *Phytophthora* species in the decline of *Eucalyptus gomphocephala* (tuart forest)'. Consultant and Supervisor of the Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia. Funded by Murdoch University, the Australian Research Council and industry partners.
- 04/2007 – 06/2011:** Classical and Molecular Taxonomy, Pathogenicity Testing and Evolutionary Biology of *Phytophthora* species. Consultant and Supervisor of the Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia. Funded by Murdoch University, the Cooperative Research Centre for National Plant Biosecurity, and the Department of Environment and Conservation of Western Australia.
- 05/2007 – present:** 'Efficacy of potassium phosphite in controlling soilborne and airborne *Phytophthora* species'. Ongoing cooperation with the University of Kiel, the Bavarian Castle Administration and the agrochemical company Agroplanta GmbH in Germany.
- 01/2007 – 12/2008:** Coordination Action '044436' 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)'. Team member. Funded by the European Commission.
- 09/2006 – 12/2008:** Project 'Sviluppo e validazione di metodi molecolari per il monitoraggio di specie di *Phytophthora* nelle faggete e nei vivai di piante forestali (Development and validation of molecular methods aimed at the monitoring of *Phytophthora* species of beech stands and forest nurseries)' within the project 'Difesa e gestione delle faggete mediterranee (DIGESFAM) (Protection and management of mediterranean beech forests)'. External consultant and contractor of the Dipartimento di Gestione dei Sistemi Agrari e Forestali, Università Mediterranea di Reggio Calabria, Reggio Calabria, Italy. Funded by the Italian Ministry for Agriculture and Forestry (MIPAF).
- 01/2006 – present:** 'Control of the *Phytophthora* dieback of mature trees of European beech, oaks and linden trees with aerial and stem applications of potassium phosphite'. Principal Investigator. Funded by the Bavarian Administration of Castles, Gardens and Lakes, the city of Augsburg, Shelton Technologies, UK, Agrichem Ltd., Australia and Agroplanta GmbH, Germany.
- 06/2005 – 12/2007:** 'Modelling the susceptibility of the USA to *Phytophthora alni*.' Senior Researcher and external contractor of the Forest Health Technology Enterprise Team, Forest Health Protection, USDA Forest Service, Fort Collins, Colorado, USA and the University of Colorado. Funded by the USDA Forest Service.
- 05/2005 – 12/2005:** '*Phytophthora* disease of alder – distribution and disease intensity in alder stands in Vienna, Austria'. Senior Researcher and external contractor of the Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna, Austria. Funded by the River Authorities of the City of Vienna.

- 07/2004 - 03/2005:** Project F47 'Damages on beech in Bavaria – investigation of selected stands on potential infections by *Phytophthora* and risk assessment of the danger of disease spread via infested nursery stock'. Principal Investigator. Funded by the Bavarian State Ministry for Agriculture and Forestry, Munich, Germany.
- 01/2001 – 12/2004:** 'Investigations on the new alder mortality in the biosphere reserve Spreewald (causes, distribution, implications and control'. External consultant of the Technical University of Dresden, Faculty of Forest Botany and Forest Zoology, Tharandt, Germany. Funded by the Brandenburg Ministry for Agriculture, Conservation and Development.
- 01/2001 – 06/2004:** Project F45 II 'Development of a management concept for the *Phytophthora* disease of alders in Bavaria'. Principal Investigator. Funded by the Bavarian State Ministry for Agriculture and Forestry, Munich, Germany.
- 01/2001 – 12/2002:** 'Investigations on fungal and fungal-like plant pathogenic microorganisms involved in oak decline in Saxony'. External consultant of the Technical University of Dresden, Faculty of Forest Botany and Forest Zoology, Tharandt, Germany. Funded by the Saxon Ministry for Environment, Agriculture, Food and Forestry (SML).
- 10/1999 – 10/2004:** 'Importance of *Phytophthora* spp. and nutrient availability for root vitality of pedunculate oak (*Quercus robur*)'. External Consultant and Supervisor of the University of Lund, Department of Plant Ecology, Forest Ecology, Lund, Sweden. Funded by AB Gustaf Kähr, Gustafsborgs Säteri AB, the National Board of Forestry, Region Skånes Miljövärdssfond, the Regional Board of Forestry, Sparbanksstiftelsen Kronan and Tarkett Sommer.
- 06/1999 – 02/2001:** Concerted Action 'FAIR 5 CT97 3615' '*Phytophthora* disease of alder in Europe: potential for damage; opportunities for limitation of pathogen spread, and for management and control'. Team member. Funded by the European Commission.
- 04/1999 – 04/2000:** Project F45 'Investigations on the *Phytophthora* disease of common alder and grey alder in Bavaria: occurrence of the alder pathogen in nurseries'. Research Associate. Funded by the Bavarian State Ministry for Food, Agriculture and Forestry, Munich, Germany.
- 01/1998 – 03/2001:** Project PATHOAK, 'FAIR CT97 3926' 'Long term dynamics of oak ecosystems: Assessment of the role of root pathogens and environmental constraints as interacting decline inducing factors'. Postdoctoral Research Fellow. Funded by the European Commission.
- 07/1997 – 06/2000:** ARC Project 901 'Development of molecular diagnostics for detecting and identifying *Phytophthora* species involved in oak decline in Europe' (07/1997-06/1999), 'Development of molecular diagnostics for detecting and identifying oak and beech root pathogens *Phytophthora syringae* and *P. undulata*, and AFLP analyses of *P. quercina* isolates.' (prolongation period 07/1999-06/2000). Team member. Cooperation with the Scottish Crop Research Institute, Dundee, UK. Funded by the Deutscher Akademischer Austauschdienst (DAAD) (British-German Academic Research Collaboration Program ARC).
- 01/1997 – 03/1999:** Project F44 'Screening for *Phytophthora* in stands of pedunculate and sessile oak in Bavaria on the basis of the Assessment of Forest Condition 1994: attempted correlation with crown transparency, root damages and site factors'. Postdoctoral Research Fellow. Funded by the Bavarian State Ministry for Food, Agriculture and Forestry, Munich, Germany.
- 04/1993 – 06/1997:** 'The *Phytophthora* disease of European oak species'. PhD student. Funded by the Allianz Foundation for the Protection of Environment, Munich, Germany.

**Scientific research in foreign countries**

- 2026:** **Italy** (monitoring and management of invasive *Phytophthora* species in a Botanical Garden).
- 2024:** **Norway** (project OOMYCOAST: survey of oomycetes in marine seagrass meadows and tidal brown algae stands).  
**Portugal** (project RESTORESEAS: survey of oomycetes in marine seagrass meadows; pathogenicity tests).  
**Italy** (decline of cork oaks, holm oaks and wild olive trees and nursery management in Sardinia).
- 2023:** **Portugal** (project RESTORESEAS: survey of oomycetes in marine and estuarine ecosystems).  
**Italy** (monitoring and management of invasive *Phytophthora* species in a Botanical Garden).
- 2020:** **Morocco** (project Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).
- 2019:** **Portugal** (project Phytophthora Research Centre: survey of *Phytophthora* and *Halophytophthora* diversity in estuarine ecosystems).  
**Indonesia (Kalimantan, Sumatra, Java, Sulawesi)** (project Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).
- 2018:** **Norway** (project POnTE and Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).  
**Indonesia (Sumatra)** (project Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).  
**Japan** (project Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).
- 2017:** **Vietnam** (projects POnTE and Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).  
**Japan** (project Phytophthora Research Centre: survey of *Phytophthora* species in natural forests and riparian ecosystems).  
**Portugal** (project RESIPATH: survey of *Phytophthora* and *Halophytophthora* diversity in estuarine ecosystems).
- 2016:** **Portugal** (project RESIPATH: survey of *Phytophthora* diversity in forests, rivers and nurseries).  
**Vietnam** (project POnTE: survey of *Phytophthora* species in natural forests and riparian ecosystems).
- 2015:** **Portugal** (project RESIPATH: survey of *Phytophthora* diversity in forests, rivers and nurseries).  
**Italy** (diversity and impact of *Phytophthora* species in forest and riparian ecosystems in Sicily).  
**Slovakia and Morocco** (studies on the nursery pathway and on the control of *Phytophthora* diseases).
- 2014:** **Chile** (survey of *Phytophthora* species in natural forests and riparian ecosystems in Valdivia).  
**Austria, Italy, Slovakia and Morocco** (studies on the nursery pathway and on the control of *Phytophthora* diseases).  
**Hungary** (project QuerResist: phylogenetic studies of new *Phytophthora* species from Asia).

- Portugal** (project RESIPATH: survey of *Phytophthora* diversity in forests, rivers and nurseries; Project QuerResist: testing of Asian *Quercus* spp. for resistance to *P. cinnamomi*).
- 2013: Taiwan** (project QuerResist: search for *Phytophthora*-resistant Fagaceae species and survey of *Phytophthora* species in natural forest and riparian ecosystems).
- Italy** (studies on the involvement of *Phytophthora* species in beech and oak decline in Sicily and Sardinia; morphological, physiological and phylogenetic studies of new *Phytophthora* spp.).
- Spain** (studies on the involvement of *Phytophthora* species in the decline of *Pinus pinaster* forests).
- Slovakia** (studies on the nursery pathway and on the control of *Phytophthora* diseases).
- 2012: Morocco** (studies on the nursery pathway and on the control of *Phytophthora* diseases).
- Italy** (studies for the description of *Phytophthora acerina* sp. nov. at the University of Florence and of *Phytophthora parvispora* sp. nov. at the University of Sassari; studies on *Phytophthora* infestations of heathland ecosystems in Sardinia).
- Portugal** (studies on *Phytophthora* populations in river systems; studies on the nursery pathway of *Phytophthora* diseases into forest ecosystems).
- Spain** (studies on *Phytophthora*-mediated decline of *Quercus faginea* and *Quercus pyrenaica*).
- Sweden** (studies on *Phytophthora*-mediated decline of beech forests and on the nursery pathway of *Phytophthora* diseases in cooperation with the Southern Swedish Forestry Institute of SLU in Alnarp).
- 2011: Serbia** (studies on the nursery pathway of *Phytophthora* diseases into forest ecosystems; studies on the involvement of *Phytophthora* species in oak decline in three National Parks).
- Poland** (studies on *Phytophthora*-mediated oak and ash decline and on *Phytophthora* infestation of alder plantings; phosphite trials in mature oak forests to control *Phytophthora*-mediated oak decline).
- Portugal** (studies on *Phytophthora* populations in river systems; studies on the nursery pathway of *Phytophthora* diseases into forest ecosystems).
- Italy** (studies on *Phytophthora* infestations of nursery stock, forest and amenity plantings, mature cork oak, holm oak and chestnut forests, and heathland ecosystems in Sardinia).
- Spain** (studies on the nursery pathway of *Phytophthora* diseases into forest ecosystems; studies on *Phytophthora* populations of aquatic habitats; studies on the involvement of *Phytophthora* species in the decline of *Quercus ilex* and *Quercus suber*).
- Sweden** (studies on *Phytophthora*-mediated decline of beech forests in cooperation with the Southern Swedish Forestry Institute of SLU in Alnarp).
- Australia:** (studies on the survival strategies of *Phytophthora cinnamomi* under controlled conditions at the CPSM in Murdoch; morphological studies of *Phytophthora* hybrids from natural ecosystems in Western Australia, Victoria and Tasmania).
- 2010: Portugal** (studies on the involvement of *Phytophthora* species in the decline of cork oak in the South of Portugal; studies on *Phytophthora* populations in rivers in the South of Portugal; studies on dieback of riparian *Alnus glutinosa* caused by *Phytophthora alni* in the North of Portugal, all in cooperation with the University of Algarve in Faro).

- Spain** (studies on the involvement of *Phytophthora* species in the decline of *Quercus faginea* and *Q. ilex* in the Valencian region, and studies on the characterisation and pathogenicity of several new *Phytophthora* species at the Instituto Agroforestal Mediterráneo, Universidad Politécnica de Valencia; studies on *Phytophthora* infestations of nurseries and oak plantations in Extremadura, and studies on the involvement of *Phytophthora* species in the decline of *Q. ilex* in Extremadura and La Mancha, at the Ingeniería Técnica Forestal, Universidad de Extremadura, in Plasencia).
- Australia** (studies on the survival strategies of *Phytophthora cinnamomi* and other *Phytophthora* species in different ecosystems at the CPSM in Murdoch).
- Austria** (studies on beech decline at the BFW in Vienna).
- Italy** (studies on *Phytophthora* infestations of horticultural plants).
- Sweden** (studies of beech decline in cooperation with the Southern Swedish Forestry Institute of SLU in Alnarp).
- 2009:** **Australia** (studies on the survival strategies of *Phytophthora cinnamomi* and other *Phytophthora* species in different ecosystems, and studies on the decline of tuart and rudis forests at the CPSM in Murdoch).
- Austria** (studies on beech decline at the BFW in Vienna).
- Italy** (studies on *Phytophthora* infestations of horticultural plants).
- Spain** (studies on oak decline, ink disease of chestnut and mortality of alders in cooperation with the Universities of Plasencia, Palencia and Valencia).
- 2008:** **Australia** (studies on the survival strategies of *Phytophthora cinnamomi* and other *Phytophthora* species in different ecosystems at the CPSM in Murdoch).
- Austria** (studies on beech at the BFW in Vienna).
- 2007:** **Australia** (studies on decline of tuart forests at the Centre for *Phytophthora* Science and Management (CPSM) in Murdoch).
- Italy** (studies on *Phytophthora* infestations of horticultural plants).
- 2006:** **Switzerland** (studies on oak decline).
- Italy** (studies on nursery infestations).
- 2005:** **Austria** (studies on alder mortality caused by *Phytophthora alni* at the Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW) in Vienna),
- the Netherlands** (studies on decline of horse chestnuts in cooperation with the Dutch Plant Protection Service in Wageningen).
- 2004:** **Italy** (studies on beech decline at the University of Tuscia in Viterbo).
- Sweden** (studies on oak decline at Lund University).
- Switzerland** (studies on oak decline).
- 2002:** **Sweden** (studies on oak decline at Lund University).
- Dominican Republic** (studies on littleleaf disease of pines).
- 2000:** **Luxembourg** (studies on oak decline).
- Sweden** (studies on oak decline at Lund University).

- 1999: Scotland** (development of genetical markers for the detection of *Phytophthora quercina*, *Phytophthora cambivora* and *Phytophthora citricola* at the SCRI).  
**England** (studies on oak decline at the Forest Research Agency in Farnham, Surrey).
- 1998: Scotland** (studies on oak decline and molecular studies of the genetic variability of *Phytophthora cambivora* and *Phytophthora citricola* at the SCRI).  
**France** (studies on oak decline at INRA Nancy).
- 1997: Scotland** (molecular studies of the genetic variability of a European population of *Phytophthora quercina* at the Scottish Crop Research Institute SCRI in Dundee).
- 1995: Slovenia, Switzerland and Italy** (studies on oak decline in cooperation with the Slovenian Forestry Institute in Ljubljana, the ETH Zurich and the CNR in Florence).

### **Professional Memberships, Societies and International Networks/Working Units**

Member of the EU BiodivRestore Knowledge Hub.

Member of the Oomycete Molecular Genetics Network (OMGN).

Co-Chair of IUFRO Unit 7.02.09 '*Phytophthora* in Forests and Natural Ecosystems'.

Member of IUFRO Unit 7.03.12 'Alien Invasive Species and International Trade'.

Member of IUFRO Unit 7.02.06 'Disease/Environment Interactions in Forest Decline'.

Member of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS, 2007-2008)'.

Member of COST Action FP 0801 'Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe'. Coordinator of Working Group 4 'Management and Control of *Phytophthora* Diseases' (2008-2012).

Vice-Chair of COST Action FP 1002 'Pathway Evaluation and Pest Risk Management In Transport (PERMIT, 2010-2014)'.

Member of COST Action FP1103 '*Fraxinus* dieback in Europe: elaborating guidelines and strategies for sustainable management (FRAXBACK, 2012-2016)' (Management Committee substitute).

Member of COST Action FP 1401 'A global network of nurseries as early warning system against alien tree pests (Global Warning, 2014-2018)' (Management Committee member).

### **Awards and honours**

"Honorable mention for discipline development" Award on the 100<sup>th</sup> Anniversary of the founding of the Faculty of Forestry and Wood Technology, Mendel University (October 2019).

Arnold Sommerfeld Award of the Bavarian Academy of Sciences, acknowledging works on the clarification of the causes of oak decline (1998).

**General scientific expertise**

Role of oomycete pathogens in declines of forest and marine ecosystems.

Root pathology of trees.

Classical and molecular methods for detection, isolation and identification of *Phytophthora* and other oomycete species from plant tissues, soil and water.

Taxonomy, ecology, pathology and phylogeny of *Phytophthora*, *Halophytophthora* and *Nothophytophthora* species.

Pathways, survival strategies, host specificity and aggressiveness of *Phytophthora* species.

Management and control (including eradication) of *Phytophthora* diseases of trees and forest and riparian ecosystems.

Coordination and practical realisation of large-scale field surveys on soilborne, airborne and waterborne *Phytophthora* and other oomycete pathogens.

**Specific scientific expertise**

Role of infested nursery stock as primary pathway for *Phytophthora* diseases of trees:

- detection methods;
- distribution of *Phytophthora* spp.;
- control methods;
- management strategies.
- association between infested nursery stock and diseases in the field;

*Phytophthora*-mediated decline of oaks (*Quercus* spp.):

- distribution, aggressiveness and ecology of the involved soil-borne *Phytophthora* species;
- relationships between site factors, *Phytophthora* population in the rhizosphere, crown condition and fine root condition of trees;
- interaction between site factors, *Phytophthora* fine root damages and insect defoliation;
- interaction with environmental constraints such as nitrogen input and drought.

*Phytophthora* root and collar rot of alders (*Alnus* spp.):

- distribution of the disease, dissemination of *Phytophthora x alni* and infection process;
- influence of site factors on disease incidence and progress;
- role of infested nursery stock in disease spread;
- selection of resistant alder clones;
- management and control;
- taxonomy and evolution of the *Phytophthora x alni* hybrid swarm.

Root and collar rot and aerial bleeding cankers of European beech (*Fagus sylvatica*) caused by *Phytophthora* spp.:

- etiology and symptomatology;
- distribution, aggressiveness and ecology of the involved soil-borne *Phytophthora* species;
- relationships between site factors, *Phytophthora* population in the rhizosphere, crown condition and fine root condition of trees;
- interactions between *Phytophthora* damages and secondary pathogens;
- effect of climate change on disease epidemiology;
- occurrence of *Phytophthora* spp. in beech fields of nurseries.

Involvement of *Phytophthora* root infections in the declines of linden (*Tilia* spp.), maple (*Acer* spp.) and birch (*Betula* spp.) trees in Central Europe.

Littleleaf disease of *Pinus* spp. in the Dominican Republic and in Europe caused by *Phytophthora cinnamomi*.

Survival strategies of *Phytophthora* species under different environmental conditions.

Potential role of *Phytophthora* species in the declines of natural ecosystems in Australia, Taiwan, Chile, Japan, Vietnam and Indonesia.

Control of the *Phytophthora* dieback of mature trees of European beech, oaks, horse chestnut, maple and linden trees with aerial and stem applications of potassium phosphite.

Ecological and pathological role of *Phytophthora*, *Halophytophthora* and other oomycete genera in marine and brackish-water ecosystems (sea, estuaries, mangroves, salt marshes).

### **Current research interests**

Global diversity, biogeography and evolution of the genera *Phytophthora*, *Halophytophthora* and *Nothophytophthora*.

Adaptive evolution and invasiveness of the genus *Phytophthora*.

Behaviour and role of invasive *Phytophthora* species in their centres of origin.

Factors driving diversity and speciation of oomycetes in different ecosystems and climatic zones.

Role of interspecific hybridisations in *Phytophthora* evolution.

Detection and description of new oomycete species and genera in Europe and other continents and assessment of their potential host ranges among European tree and crop species.

Roles of introduced and endemic oomycete species in declines of terrestrial and marine ecosystems on a global scale.

Genomic basis of aggressiveness, invasiveness and host ranges of *Phytophthora* spp. and of the resistance of tree species to *Phytophthora* infections.

Use of transcriptomic approaches for studying susceptible and resistant host - *Phytophthora* interactions

Factors triggering the onset of oomycete epidemics including ongoing climatic changes.

Pathways and survival mechanisms of oomycetes.

Integrated management concepts for *Phytophthora* diseases in natural ecosystems and nurseries.

Early detection of *Phytophthora*-infected plants by analysis of volatile organic compounds emission.

Potential biological activities of oomycete extracts.

### **Language skills:**

	Reading	Writing	Conversation
German	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
English	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
French	<i>Advanced</i>	<i>Elementary</i>	<i>Elementary</i>
Italian	<i>Elementary</i>	<i>Elementary</i>	<i>Elementary</i>
Portuguese	<i>Elementary</i>	<i>Elementary</i>	<i>Elementary</i>
Latin	<i>Advanced</i>	<i>Advanced</i>	<i>Elementary</i>

## Teaching experience and student supervision

### Classes and laboratories taught

- 06/2024: Training course 'Biodiversity of Oomycetes associated with Marine Algae and Seagrass', Marine Research Station Drøbak of the University of Oslo, Norway.
- 2023 – 2026: Training course 'Schadbilder bei Stadt- und Straßenbäumen: Ursachen – Handlungsbedarf – Perspektiven (Disease symptoms of urban and roadside trees: Causes – management – perspectives)', Akademie Landschaftsbau Weihenstephan, Freising, Germany.
- 2007 – 2020: Eidgenössische Technische Hochschule (ETH), Zurich, Switzerland: Co-supervisor of the laboratory course 'Advanced Forest Pathology'.
- 04/2014: Training course 'Recognition of Disease Symptoms, Isolation and Identification of *Phytophthora* species', Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna, Austria.
- 07/2013: Training course 'Recognition of Disease Symptoms, Isolation and Identification of *Phytophthora* species', University of Valladolid, Spain.
- 07/2011: Training course 'Recognition of Disease Symptoms, Isolation and Identification of *Phytophthora* species', University of Algarve, Portugal.
- 06/2011: Lecturer and trainer at the COST FP 0801 Training School: Detection and Diagnosis of *Phytophthora* in Forest Ecosystems. IBL, Warsaw, Poland.
- 1993 – 1996: Institute of Forest Botany, Ludwig-Maximilians University (LMU) Munich in Freising, Germany:  
Laboratory practicals and field excursions on the identification of flowering plants;  
Co-supervisor of laboratory courses on the identification of fungal diseases of trees.

### External examiner

- Cornelia Siricord, Centre for Phytophthora Science and Management, Murdoch University, Perth, Western Australia. PhD thesis: Detection of *Phytophthora* Species by MALDI-TOF Mass Spectrometry. Published in 2005 by Murdoch University, Perth, Western Australia.
- Sarah Collins, Centre for Phytophthora Science and Management, Murdoch University, Perth, Western Australia. PhD thesis: Long term survival of *Phytophthora cinnamomi* in rehabilitated bauxite mines and adjacent jarrah (*Eucalyptus marginata*) forest. Published in 2006 by Murdoch University, Perth, Western Australia.
- Anna Rytönen, Faculty of Agriculture and Forestry, University of Helsinki, Finland. PhD thesis: *Phytophthora* in Finnish nurseries. Published in 2011 as Dissertations Forestales 137, Helsinki University Print, Finland.

**Examiner**

Matěj Panek, Department of Forest Protection and Wildlife Management, Faculty of Forestry and Wood Technology, Mendel University, Brno, Czech Republic. PhD thesis: Population structure of *Phytophthora cactorum* complex in Europe. Published in 2017 by Mendel University, Brno, Czech Republic.

**Post Graduate student training**Completed

Jan Nechwatal, Institute of Forest Botany, Technical University of Munich, Freising, Germany. PhD thesis: Wurzeluntersuchungen an Fichten und Buchen im Bayerischen Alpenraum: mögliche Beteiligung von Wurzelpathogenen am Krankheitsgeschehen sowie Methoden zu deren Nachweis (Root investigations on spruce and beech trees in the Bavarian Alps: potential involvement of root pathogens in the decline scenario and detection methods). Published in April 2000 by Hieronymus, Munich. Current affiliation: Research Associate at the Bavarian State Institute of Agriculture (LfL), D-85354 Freising, Germany.

Ulrika Jönsson, University of Lund, Department of Plant Ecology, Forest Ecology, Lund, Sweden. PhD thesis: *Phytophthora* and oak decline – impact on seedlings and mature trees in forest soils. Published in October 2004 by Lund University. Current affiliation: Scientific journalist in Seglora, Sweden.

Christoph Ulrich Tellenbach, ETH Zurich, Dept. Forest Pathology and Dendrology, Institute of Integrative Biology (IBZ), PhD thesis: Natural disease control by root endophytes in a changing climate. Published in 2011 as Diss. ETH No. 19714.

Peter Scott, Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia. PhD project title: The role of *Phytophthora* species in *Eucalyptus gomphocephala* decline. Published in January 2011.

Alex Rea, Centre for *Phytophthora* Science and Management (CPSM), Murdoch University, Murdoch, Western Australia. PhD project title: Classical and Molecular Taxonomy, Pathogenicity Testing and Evolutionary Biology of *Phytophthora* species. Published in March 2011.

Beatrice Ginetti, University of Florence, Dept. of Agricultural Biotechnology, Section of Plant Protection, Italy. PhD project title: Identity, impact and role of *Phytophthora* species in planted forests of north Italy. Published in March 2013.

Tamara Corcobado, Universidad de Extremadura, Plasencia, Spain. PhD project title: Influencia de "Phytophthora cinnamomi" Rands en el decaimiento de "Quercus ilex L." y su relación con las propiedades del suelo y las ectomicorrizas (*Quercus* decay in Extremadura in relation to soil properties and the presence of *Phytophthora cinnamomi* and mycorrhizae). Published in November 2013.

Ivan Milenkovic, Faculty of Forestry, University of Belgrade, Serbia. PhD project title: Diversity of species from the *Phytophthora* genus and their role in the decline of broadleaved forest trees in Serbia. Published in July 2015.

Maria Evoli, Department of Agri-Food and Environmental Systems Management, Plant Pathology Section, University of Catania, 95123 Catania, Italy. PhD project title: Molecular analysis of genetic diversity of *Phytophthora citrophthora* using nuclear and mitochondrial markers. Published in February 2016.

Beatriz Mora Sala, Universidad Politècnica de València, Spain. PhD project title: Aplicacion de tecnicas moleculares para valorar la implicacion de *Phytophthora* spp. en el decaimiento de *Quercus ilex*. PhD defense September 2020.

Alessandra Benigno, University of Florence, Italy. PhD project title: Diagnostics, epidemiology and control of emerging oomycetes and phytopathogenic fungi.

#### Ongoing

Cristiana Maia, University of Algarve, Portugal. PhD project title: *Halophytophthora* and *Phytophthora* spp. in marine and estuarine ecosystems in Portugal: biodiversity, ecological roles and possible biotechnological uses.

Kateřina Kováčiková, Mendel University in Brno, Czech Republic. PhD project title: Optimization of methodologies for virus elimination in forest pathogens and examination of the effect of the virus absence and presence on their hosts.

Tamara Vukanović, Mendel University in Brno, Czech Republic. PhD project title: Critical interactions between mycorrhizal fungi and soil pathogens in European forest biomes, with a focus on their impacts on biogeochemical cycles.

#### **Master of Science (M.Sc.) or Diploma students**

##### Completed

Kirsten Joas, University of Applied Sciences Weihenstephan, Section Forest Sciences. Thesis: Untersuchungen zur Sporangienbildung verschiedener *Phytophthora* – Arten in Abhängigkeit von pH-Wert, Stickstoff- und Aluminiumkonzentrationen (Studies on the effects of pH and different concentrations of nitrogen and aluminium on the production of sporangia by various *Phytophthora* species). July 1998. Current affiliation: Bavarian State Forestry.

Bernd Zolles, University of Applied Sciences Weihenstephan, Section Forest Sciences, Freising, Germany. Thesis: Untersuchungen zur Optimierung der Isolierungsmethoden von Pilzen der Gattung *Phytophthora* aus Böden unter besonderer Berücksichtigung von Waldböden des Buntsandsteins (Studies on the improvement of methods for the isolation of *Phytophthora* species from soils with a special emphasis on forest soils derived from sandstone). December 1998. Current affiliation: Bavarian State Forestry.

Sindy Leonhard, Technical University of Dresden, Faculty of Forest Botany and Forest Zoology, Tharandt, Germany. Thesis: Vorkommen und Bedeutung pilzähnlicher Phytopathogene (Abt. Oomycota) in ausgewählten Eichenbeständen des Freistaates Sachsen (Occurrence and importance of fungal-like plant pathogens from the oomycota in selected oak stands in Saxony). March 2004.

Katherine Edwards, Centre for *Phytophthora* Sciences and Management (CPSM), Murdoch University, Murdoch, Western Australia. Master project title: Involvement of *Phytophthora* species in the decline of *Eucalyptus rudis* in riparian ecosystems in Western Australia.

Federico La Spada, Department of Agri-Food and Environmental Systems Management, Plant Pathology Section, University of Catania, Italy. Distribution and impact of *Phytophthora* species in the Sicilian forests. April 2016.

Giuseppe Carella, University of Florence. Specie di *Phytophthora* e *Halophytophthora* degli ambienti salmastri dell'Algarve (Distribution of *Phytophthora* and *Halophytophthora* species in the lagoon ecosystem Ria Formosa in Portugal). December 2017.

Henrieta Ďatková, Mendel University in Brno, Czech Republic. *Phytophthora* diversity in forest streams of Moravia and Slovakia. May 2020.

## Training Courses, Seminars and Science Communication

### Training of scientists

Training courses and seminars in recognition of disease symptoms in the field and in methods for the isolation, identification and testing of pathogenicity of *Phytophthora* species for PhD students, Postdoctoral Fellows, Senior Research Fellows and Professors of the 59 research institutions listed below.

**10/2025:** French Agency for Food, Environmental and Occupational Health & Safety (ANSES)

**06/2024:** Norwegian Institute for Water Research (NIVA)  
Norwegian University of Life Sciences (BIOVIT)  
Norwegian Institute of Bioeconomy Research (NIBIO)  
University of Oslo, Department of Biosciences  
University of Santo Tomas, Manila, Philippines

**09/2023:** University of Tokyo, Japan.

**03/2023:** University of Tuscia, Italy.

**09/2021-10/2022:** University of Florence, Italy.

**08/2021:** University of Sassari, Italy.  
University of Poznan, Poland.

**02/2020:** Universidade de Lisboa, Portugal,  
Univerzita Karlova, Prague, Czech Republic  
CCMAR, Faro, Portugal.

**06/2019:** Hasanuddin University, Faculty of Agriculture, Makassar, Sulawesi, Indonesia.

**11-12/2018:** Gifu University, Japan.  
Tohoku Research Center, FFPRI, Morioka, Japan.  
University of Tokyo, Japan.  
Norwegian Institute of Bioeconomy Research (NIBIO)

**08-09/2018:** APRIL AAA R&D, PT Riau Andalan Pulp and Paper, Kerinci, Sumatra, Indonesia.

**05-06/2017:** Gifu University, Japan.  
Tohoku Research Center, FFPRI, Morioka, Japan.  
University of Tokyo, Japan.

**03-04/2016:** Forest Protection Research Centre, Vietnamese Academy of Forest Sciences, Hanoi, Vietnam.

**10-12/2015:** University of Florence, Italy.

**05-07/2015:** Universidad Politècnica de València, Spain.

- 11/2014:** Universidad de Concepción, Facultad de Ciencias Forestales, Concepción, Chile.  
Bioforest, Concepción, Chile.
- 04/2014:** Swedish University of Agricultural Sciences, Uppsala, Sweden,  
Mendel University, Brno, Czech Republic,  
Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW),  
Vienna, Austria.
- 03/2014:** University of Sassari, Department of Plant Protection, Sassari, Italy.
- 01/2014:** Mendel University, Brno, Czech Republic.  
Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW),  
Vienna, Austria.
- 07/2013:** Universidad de Extremadura, Departamento de Ingeniería del Medio Agronómico y Forestal,  
Plasencia, Spain.  
Universidad de Valladolid, Sustainable Forest Management Research Institute, Palencia,  
Spain.  
Universidad de Córdoba, Spain.  
Universidad de León, Spain.  
Universidad Politécnica de València, Spain.  
ICIA\_Instituto Canario de Investigaciones Agrarias, Gran Canaria, Spain.  
Instituto del Corcho, la Madera y el Carbón Vegetal (IPROCOR), Merida, Spain.  
Centro de Sanidad Forestal de Calabazanos, León, Spain.  
Empresa de Transformación Agraria (TRAGSA), Spain.  
Centro De Investigación Agraria La Orden-Valdesequera, Merida, Spain.  
Instituto Madrileño de Investigación y Desarrollo Rural Agrario y Alimentario (IMIDRA),  
Madrid, Spain.  
University of Catania, Italy.  
University of Reggio Calabria, Italy.
- 05/2013:** University of Catania, Italy.
- 07/2012:** University of Florence, Agricultural Biotechnology Dept - Plant Protection Section, Italy.
- 03/2012:** University of Valladolid, Palencia, Spain.
- 02/2012:** Southern Swedish Forest Research Centre, Swedish University of Agricultural Sciences,  
Alnarp, Sweden.
- 12/2011:** Faculty of Forestry, University of Belgrade, Serbia.  
Forest Research Institute (IBL), Sękocin Stary, Poland.  
National Forestry University of Ukraine, Lviv, Ukraine.
- 11/2011:** University of Sassari, Department of Plant Protection, Sassari, Italy.
- 07/2011:** Instituto Nacional de Recursos Biológicos, Unidade de Silvicultura e Produtos Florestais,  
Oeiras, Portugal.  
Universidade de Trás-os-Montes e Alto Douro, Departamento de Ciências Florestais e Arq.  
Paisagista, Vila Real, Portugal.  
Universidade de Évora, Departamento de Fitotecnia, Laboratório de Virologia Vegetal, Évora,  
Portugal.  
Universidade do Algarve, Faculdade de Ciências e Tecnologia, Departamento de Biologia e  
Bioengenharia, Faro, Portugal.  
Universidade do Algarve, IBB-CGB Plant and Animal Genomic Group, Faro, Portugal.  
University of Cordoba, Department of Agronomy, Cordoba, Spain.  
University of Valladolid, Sustainable Forest Management Research Institute, Valladolid, Spain.

Universidad de Huelva, Department Ciencias Agroforestales, Huelva, Spain.

Universidad de Extremadura, Departamento de Ingeniería del Medio Agronómico y Forestal, Plasencia, Spain.

University of Florence, Agricultural Biotechnology Department, Plant Protection Section, Florence, Italy.

Suleyman Demirel University, Faculty of Forestry, Forest Pathology, Isparta, Turkey.

**05/2011:** Faculty of Forestry, University of Belgrade, Serbia.

**11/2010 and 09/2009:** University of Extremadura, Plasencia, Spain.

**10/2010 and 09/2009:** Instituto Agroforestal Mediterráneo, University of Valencia, Spain.

**05/2010:** Southern Swedish Forest Research Centre, Swedish University of Agricultural Sciences, Alnarp, Sweden.

**05/2010:** University of Algarve, Faro, Portugal.

**09/2009:** University of Valladolid, Palencia, Spain.

**12/2007:** Department of Forest Sciences, ETH Zurich, Switzerland.

**10/2007, 05/2007 and 03/2007:** Murdoch University, CPSM, Murdoch, Australia.

**10/2007 and 09/2005:** Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna, Austria.

**03/2004:** Cornell University, Ithaca, USA.

**11/2002 and 08/1997:** Forest Research Station of Baden-Württemberg, Freiburg, Germany.

**11/2002:** Technical University of Dresden, Tharandt, Germany.

**05/2000 and 10/1999:** Lund University, Lund, Sweden.

**03/2000:** Forest Research Station of Lower Saxony, Göttingen, Germany.

**09/1999 and 09/1998:** Scottish Crop Research Institute (SCRI), Dundee, UK.

**09/1999:** Slovenian Forestry Institute, Ljubljana, Slovenia.

**09/1999:** University for Soil Science (BOKU), Vienna, Austria.

**05/1999:** Forestry Commission Research Agency, Alice Holt, UK.

**04/1998 and 06/2004:** University of Tuscia, Viterbo, Italy.

**04/1998:** University of Bari, Italy.

**04/1998:** University of Florence, Italy.

**04/1998:** Oregon State University, Corvallis, USA.

**04/1998:** INRA Nancy, Champenoux, France.

**10/1995:** CNR, Florence, Italy.

**Training of foresters and biologists**

Nine seminars and field exercises (between March 2001 and March 2002) in order to train more than 250 foresters from the Bavarian State Forestry and 30 biologists from the Bavarian river authorities in the detection of *Phytophthora* root and collar rot symptoms of alders, and in the biology, pathways and control of *Phytophthora alni*. These training units were the basis for the state-wide survey of the disease in forest and riparian ecosystems performed in Bavaria between August 2001 and May 2002.

**Training of practitioners**

Twenty-six seminars (between February 2007 and February 2025; 2023-2025 organised by the Academy for Landscaping Weihenstephan ALW, Freising, Germany) on the detection and management of *Phytophthora* diseases of trees for ca. 950 practitioners from different garden and environmental authorities, landscape and garden companies, and nursery owner associations in Austria, Germany, Serbia and Slovakia.

**Communication of science to the general public**

**12/2017:** Science café debate, Pilsen House, Brussels (Belgium). Organized by the Czech Liaison Office for Research, Development and Innovation.

**10/2011:** Long night of sciences, Zoo Nuremberg (Germany).

**05/2002 – 05/2007:** Production of nine informative and scientific broadcasts on the involvement of *Phytophthora* species in tree declines in Europe in cooperation with 4 German TV stations (ARD, ZDF, BR, SWR). Bavarian State Institute of Forestry (LWF), Section Forest Ecology and Forest Protection in Freising, Germany and since 04/2005 *Phytophthora* Research and Consultancy in Brannenburg, Germany.

**Symposia and Congress Sessions Convened or Chaired**

Organizing Committee of the virtual APS Workshop ‘The Genus *Phytophthora* – Don’t Change a Winning Concept?’, 22–25 April 2024.

Member of the scientific committee of the 11<sup>th</sup> Workshop of the IUFRO Unit 7.02.09 ‘*Phytophthora* in Forests and Natural Ecosystems’ in Paihia, Bay of Islands, New Zealand, September 2024.

Organiser of the Oomycete Molecular Genetics Network (OMGN) meeting OMGN2022 in Brno, Czech Republic, August 2022.

Co-organiser and member of the scientific committee of the “9<sup>th</sup> IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems” in La Maddalena, Sardinia (Italy), October 2019.

Member of the scientific committee of the 7<sup>th</sup> Workshop of the IUFRO Unit 7.02.09 ‘*Phytophthora* in Forests and Natural Ecosystems’ in Esquel, Argentina, November 2014.

Co-organiser and member of the scientific committee of the 6<sup>th</sup> Workshop of the IUFRO Unit 7.02.09 ‘*Phytophthora* in Forests and Natural Ecosystems’ in Cordoba, Spain, September 2012.

Member of the scientific committee for the 5<sup>th</sup> Workshop of the IUFRO Unit 7.02.09 ‘*Phytophthora* in Forests and Natural Ecosystems’ in Rotorua, New Zealand, March 2010.

Organiser of the 3<sup>rd</sup> Workshop of the IUFRO Unit 7.02.09 ‘*Phytophthora* in Forests and Natural Ecosystems’, Freising, Germany, September 2004.

### **Referee for Journals**

- Agricultural and Forest Meteorology
- Annals of Forest Science.
- Austral Ecology.
- Australasian Plant Pathology.
- Baltic Forestry.
- BioControl.
- Biology and Environment: Proceedings of the Royal Irish Academy
- Biological Invasions.
- Cladistics.
- European Journal of Plant Pathology.
- FEMS Microbiology Letters.
- Forest Pathology.
- Forests.
- Fungal Biology.
- Fungal Systematics and Evolution.
- IMA Fungus.
- International Journal of Systematic and Evolutionary Microbiology.
- Journal of Ecology.
- Journal of Fungi.
- Journal of Microbiological Methods.
- Journal of Phytopathology.
- Journal of Plant Pathology.
- Microbiology Spectrum.
- Mycologia.
- Mycological Progress.
- New Phytologist.
- New Zealand Journal of Forestry Science.
- NRCP Research Journal.
- Persoonia.
- Phytopathology.
- Plant Biology.
- Plant Disease.
- Plant Pathology.
- Rhizosphere.
- Studies in Mycology.
- Vegetos.

### **Editor**

- 2015-2016: Forest Pathology.

### **Editorial board**

- Journal of Plant Protection Research.
- 2012-2017: Journal of Plant Pathology.

**Guest Editor**

- 2018-2020: Special Issue of Forests '[Phytophthora Infestations in Forest Ecosystems](#)'.
- 2020-2022: Special Issue of Journal of Fungi '[Oomycetes – Diversity, Taxonomy, Evolution, Ecology and Host-Pathogen Interactions](#)'.

**Main scientific achievements**

First demonstrations of *Phytophthora* pathogens being involved in widespread forest (oak, beech, ash, alder, poplar) declines in Europe;

Development of new methods for the isolation and pathogenicity testing of *Phytophthora* spp. and for the assessment of fine root damages of trees;

Coordination of the largest forest disease survey in European history (*Alnus* mortality in Bavaria) in more than 3,000 forest stands and along more than 20,000 river kilometers.

Coordination of a European survey in 2,000 nursery stands and 2,500 young plantations, demonstrating for the first time almost ubiquitous *Phytophthora* infestations and the importance of the nursery pathway in spread of *Phytophthora* pathogens to natural and managed ecosystems;

First demonstration of the interaction between invasive *Phytophthora* pathogens and climatic extremes triggering a large-scale epidemic forest decline (*Fagus sylvatica*);

Description of 99 new *Phytophthora* species, 8 new *Halophytophthora* species, the new oomycete genus *Nothophytophthora* including 8 new *Nothophytophthora* species and the new oomycete genus *Synchrospora*;

Identification of the hybrid nature of *Phytophthora* ×*cambivora* and contributions to the evolutionary role of hybridizations in the genus *Phytophthora*;

Leader of 11 scientific expeditions to Chile, Indonesia, Morocco, Japan, Taiwan and Vietnam, coordinator of 7 scientific expeditions to Nicaragua, Panama, Canada, USA and Mongolia, and oomycete surveys in 22 European countries demonstrating outstanding *Phytophthora* diversity in previously unsurveyed natural ecosystems and providing insights into the global biogeography of *Phytophthora*;

Identification of the geographic origins of the invasive forest pathogens *Phytophthora cinnamomi*, *P. kernoviae*, *P. plurivora*, *P. pseudosyringae*, *P. ramorum* and *P. ×cambivora*.

## Publications

### Publications, citations, *h* Index, *g* Index and *i10* Index updated on 09.03.2026.

107 scientific articles in peer reviewed journals and 4 book chapters published: 104 articles and 3 book chapters indexed to Web of Science (WoS), 102 articles and 2 book chapters indexed to WoS Core Collection and 105 articles and 1 book chapter indexed to Scopus, 107 articles and 1 book chapter indexed to Google Scholar.

2 dissertations.

Books: author = 1; editor = 2; chapters = 4.

7340 citations in Web of Science;	average citations per article 68.6 <i>h</i> Index = 46; <i>g</i> Index = 85; <i>i10</i> Index = 81
6407 citations in Web of Science (Core Collection);	average citations per article 61.6 <i>h</i> Index = 43; <i>g</i> Index = 80; <i>i10</i> Index = 74
6847 citations in Scopus;	average citations per article 64.6 <i>h</i> Index = 44; <i>g</i> Index = 82; <i>i10</i> Index = 78
10102 citations in Google Scholar;	average citations per article 95.5 <i>h</i> Index = 52; <i>i10</i> Index = 84

### Peer reviewed journal articles

1. Kartakis, S., Jung, T., Kriticos, D.J., Wesseler, J. (2026). **Modeling disease expression of *Phytophthora ramorum* to estimate potential economic impacts in European forests.** *Forest Ecology and Management* 601: 123367.  
[DOI: 10.1016/j.foreco.2025.123367](https://doi.org/10.1016/j.foreco.2025.123367) WoS citations: 0. Scopus citations: 0.
2. Cauldron, N.C., Press, C.M., Weisberg, A.J., Horta Jung, M., Corcobado, T., Webber, J.F., Kageyama, K., Hieno, A., Masuya, H., Uematsu, S., Scanu, B., Brasier, C.M., Jung, T., Chang, J., Grünwald, N.J. (2025). **Intraspecific variation and recent loss of ancient, conserved effector genes in the sudden oak death pathogen *Phytophthora ramorum*.** *Molecular Plant-Microbe Interactions* 38: 440–453.  
[DOI: 10.1094/MPMI-10-24-0131-R](https://doi.org/10.1094/MPMI-10-24-0131-R) WoS citations: 1. Scopus citations: 1.
3. Horta Jung, M., Maia, C., Mora-Sala, B., Abad-Campos, P., Schena, L., Mosca, S., Carella, G., Moricca, S., Nechwatal, J., Dionísio, L., Cravador, A., Jung, T. (2025). **High diversity of *Phytophthora* species in natural ecosystems and nurseries of Portugal: Detrimental side effect of plant introductions from the age of discovery to modern globalization.** *Plant Pathology* 74: 330–362.  
[DOI: 10.1111/ppa.14022](https://doi.org/10.1111/ppa.14022) WoS citations: 14. Scopus citations: 12.
4. Gomes Marques, I., Vieites-Blanco, C., Barrento, M.J., Cupertino, A., Semedo, J.N., Rodrigues, A.P., Scotti-Campos, P., Jung, T., Solla, A., David, T.S., Rodríguez-González, P. (2025). **Individual and combined effects of a simulated heatwave and the emerging *Phytophthora ×multiformis* on European alder species.** *Forest Ecology and Management* 598: 123202.  
[DOI: 10.1016/j.foreco.2025.123202](https://doi.org/10.1016/j.foreco.2025.123202) WoS citations: 0. Scopus citations: 0.

5. Botella, L., Hejna, O., Kudláček, T., Kovačiková, K., Rost, M., Forgia, M., Raco, M., Milenković, I., Corcobado, T., Maia, C., Scanu, B., Drenth, A., Guest, D.I., Liew, E.C.Y., Chi, N.M., Thu, P.Q., Chang, T.-T., Fu, C.-H., Kageyama, K., Hieno, A., Masuja, H., Uematsu, S., Durán, A., Tarigan, M., Junaid, M., Nasri, N., Sanfuentes, E., Čurn, V., Webber, J.F., Brasier, C.M., Horta Jung, M., Jung, T. (2025). **The virome of the panglobal, wide host-range plant pathogen *Phytophthora cinnamomi*: Phylogeography and evolutionary insights.** *Virus Evolution* 11(1): veaf020.  
[DOI: 10.1093/ve/veaf020](https://doi.org/10.1093/ve/veaf020) WoS citations: 2. Scopus citations: 1.
6. Brasier, C.M., Grünwald, N.J., Bourret, T.B., Govers, F., Scanu, B., Cooke, D.E.L., Bose, T., Hawksworth, D.L., Abad, Z.G., Albarracin, M.W., Alsultan, W., Altamirano-Junqueira, A.E., Arifin, A.R., Arnet, M.J., Aumentado, H.D.R., Bakonyi, J., Belisle, W.H., Benigno, A., Bienapfl, J.C., Bilodeau, G.J., Blair, J.E., Botella, L., Brandano, A., Cacciola, S.O., Carbone, I., Castroagudin, V.L., Chaendaekattu, N., Consford, J.D., Corcobado, T., Covey, P.A., Daniels, H.A., Deidda, A., Dorrance, A.E., Dort, E.N., Drenth, A., Drizou, F., Evangelisti, E., Fajardo, S.N., Fang, Y., Ference, C.M., Frankel, S.J., Goss, E.M., Guest, D.I., Hardy, G.E.St.J., Harris, A.R.H., Hawku, M.D., Heungens, K., Hong, C., Horner, I.J., Horta Jung, M., Iyanda, O.J., Jamieson, B.-A., Jeffers, S.N., Judelson, H.S., Junaid, M., Kalogeropoulou, E., Kamoun, S., Kang, S., Kasuga, T., Kudláček, T., LeBoldus, J., Lee, C.A., Li, D.W., Llanos, A.K., Lopez-Nicora, H.D., Machado, H., Maia, C., Mandal, K., Manosalva, P., Martin, F.N., Matson, M.E.H., McDougal, R.L., McDowell, J.M., Michelmores, R.W., Milenković, I., Moricca, S., Mostowfizadeh-Ghalamfarsa, R., Nagy, Z.Á., Nikolaeva, E.V., Ortega-López, P., Paap, T., Parada-Rojas, C.H., Peduto Hand, F., Pérez-Sierra, A., Pettersson, M., Prasad, P., Puig, A.S., Raco, M., Rajput, N.A., Ristaino, J.B., Rooney-Latham, S., Seidl, M.F., Shamoun, S.F., Solla, A., Spies, C.F.J., Sudermann, M.A., Swiecki, T.J., Tian, M., Tripathy, S., Uematsu, S., Van Poucke, K., Vichou, A.E., Walter, M., Webber, J.F., Williams, N.M., Wingfield, M.J., Yadav, D., Yang, X., Jung, T. (2025). **Preserving the biologically coherent generic concept of *Phytophthora*, 'Plant Destroyer'.** *Phytopathology* 115: 573–586.  
[DOI: 10.1094/PHYTO-11-24-0372-LE](https://doi.org/10.1094/PHYTO-11-24-0372-LE) WoS citations: 4. Scopus citations: 3.
7. Ulaszewski, B., Mishra, B., Jung, T., Thines, M. (2024). **Genome sequences for twenty-four *Phytophthora* and one *Nothophytophthora* species for the study of the evolution of pathogenicity in Peronosporaceae.** *Mycological Progress* 23: 68.  
[DOI: 10.1007/s11557-024-02008-5](https://doi.org/10.1007/s11557-024-02008-5) WoS citations: 0. Scopus citations: 0.
8. Favaro, R., Berka, M., Pettersson, M., Thöming, G., Arce, C.C.M., Inácio M.L., Turlings, T.C.J., Faria, J.M.S., Jung, T., Bazin, D., Pozzebon, A., Angeli, S., Cappellin, L. (2024). **The use of volatile organic compounds in preventing and managing invasive plant pests and pathogens.** *Frontiers in Horticulture* 3: 1379997.  
[DOI: 10.3389/fhort.2024.1379997](https://doi.org/10.3389/fhort.2024.1379997) WoS citations: 7. Scopus citations: 7.
9. Pérez-Sierra, A., Chitty, R., Rodger, I., Chambers, J., Horta Jung, M., Cacciola, S.O., Jung, T. (2024). **First report of *Phytophthora platani* causing bark canker and dieback on London plane in England (UK).** *New Disease Reports* 50: e12303.  
[DOI: 10.1002/ndr2.12303](https://doi.org/10.1002/ndr2.12303) WoS citations: 0. Scopus citations: 0.
10. Milenković, I., Trifković, M., Karadžić, D., Jovanović, D., Radulović Z., Horta Jung, M., Jung, T. (2024). **First report of *Cryphonectria carpinicola* on *Carpinus betulus* in Serbia.** *Forest Pathology* 54: e12882.  
[DOI: 10.1111/efp.12882](https://doi.org/10.1111/efp.12882) WoS citations: 2. Scopus citations: 1.
11. Bačova, A., Cooke, D.E.L., Milenković, I., Májek, T., Nagy, Z.A., Corcobado, T., Randall, E., Keillor, B., Cock, P.J.A., Horta Jung, M., Jung, T., Tomšovský, M. (2024). **Hidden *Phytophthora* diversity unveiled in tree nurseries of the Czech Republic with traditional and metabarcoding techniques.** *European Journal of Plant Pathology* 170: 131–156.  
[DOI: 10.1007/s10658-024-02886-1](https://doi.org/10.1007/s10658-024-02886-1) WoS citations: 10. Scopus citations: 10.

12. Gomes Marques, I., Vieites-Blanco, C., Rodríguez-González, P., Segurado, P., Marques, M., Barrento, M.J., Fernandes, M.R., Cupertino, A., Almeida, H., Biurrun, I., Corcobado, T., Costa e Silva, F., Díez, J.J., Dufour, S., Faria, C., Ferreira, M.T., Ferreira, V., Jansson, R., Machado, H., Marçais, B., Moreira, A.C., Oliva, J., Pielech, R., Rodrigues, A.P., Soares David, T., Solla, A., Jung, T. (2024). **The ADnet Bayesian belief network for alder decline: Integrating empirical data and expert knowledge.** *Science of the Total Environment* 947: 173619.  
[DOI: 10.1016/j.scitotenv.2024.173619](https://doi.org/10.1016/j.scitotenv.2024.173619) WoS citations: 6. Scopus citations: 6.
13. Mullett, M.S., Harris, A.R., Scanu, B., Van Poucke, K., LeBoldus, J., Stamm, E., Bourret, T.B., Christova, P.K., Oliva, J., Redondo, M.A., Talgø, V., Corcobado, T., Milenković, I., Horta Jung, M., Webber, J., Heungens, K., Jung, T. (2024). **Phylogeography, origin and population structure of the self-fertile emerging plant pathogen *Phytophthora pseudosyringae*.** *Molecular Plant Pathology* 25: e13450.  
[DOI: 10.1111/mpp.13450](https://doi.org/10.1111/mpp.13450) WoS citations: 6. Scopus citations: 6.
14. Macháčová, M., Tomášková, I., Corcobado, T., Nagy, Z., Milanović, S., Janoušek, J., Pešková, V., Čepel, J., Gezan, S., Nakládal, O., Zúmr, V., Kalyniukova, A., Milenković, I., Jung, T. (2024). **Response of *Alnus glutinosa* to *Phytophthora* bark infections at ambient and elevated CO<sub>2</sub> levels.** *Frontiers in Forests and Global Change* 7: 1379791.  
[DOI: 10.3389/ffgc.2024.1379791](https://doi.org/10.3389/ffgc.2024.1379791) WoS citations: 7. Scopus citations: 5.
15. Jung, T., Milenković, I., Balci, Y., Janoušek, J., Kudláček, T., Nagy, Z.Á., Baharuddin, B., Bakonyi, J., Broders, K.D., Cacciola, S.O., Chang, T.-T., Chi, N.M., Corcobado, T., Cravador, A., Đorđević, B., Durán, A., Ferreira, M., Fu, C.-H., Garcia, L., Hieno, A., Ho, H.-H., Hong, C., Junaid, M., Kageyama, K., Kuswinanti, T., Maia, C., Májek, T., Masuya, H., Magnano di San Lio, G., Mendieta-Araica, B., Nasri, N., Oliveira, L.S.S., Pane, A., Pérez-Sierra, A., Rosmana, A., Sanfuentes von Stowasser, E., Scanu, B., Singh, R., Stanivuković, Z., Tarigan, M., Thu, P.Q., Tomić, Z., Tomšovský, M., Uematsu, S., Webber, J.F., Zeng, H.-C., Zheng, F.-C., Brasier, C.M., Horta Jung, M. (2024). **Worldwide forest surveys reveal forty-three new species in *Phytophthora* major Clade 2 with fundamental implications for the evolution and biogeography of the genus and global plant biosecurity.** *Studies in Mycology* 107: 251–388.  
[DOI: 10.3114/sim.2024.107.04](https://doi.org/10.3114/sim.2024.107.04) WoS citations: 35. Scopus citations: 36.
16. Caballol, M., Redondo, M. Á., Catalán, N., Corcobado, T., Jung, T., Marçais, B., Milenković, I., Nemesio-Gorritz, M., Stenlid, J., Oliva, J. (2024). **Climate acts as an environmental filter to plant pathogens.** *The ISME Journal* 18: wrae010.  
[DOI: 10.1093/ismej/wrae010](https://doi.org/10.1093/ismej/wrae010) WoS citations: 8. Scopus citations: 8.
17. Corcobado, T., Cech, T.L., Daxer, A., Ďatková, H., Janoušek, J., Patra, S., Jahn, D., Hüttler, C., Milenković, I., Tomšovský, M., Horta Jung, M., Jung, T. (2023). ***Phytophthora*, *Nothophytophthora* and *Halophytophthora* diversity in rivers, streams and riparian alder ecosystems of Central Europe.** *Mycological Progress* 22: 50.  
[DOI: 10.1007/s11557-023-01898-1](https://doi.org/10.1007/s11557-023-01898-1) WoS citations: 23. Scopus citations: 21.
18. Mullett, M.S., Van Poucke, K., Haegeman, A., Focquet, F., Cauldron, N.C., Knaus, B.J., Horta Jung, M., Kageyama, K., Hieno, A., Masuja, H., Uematsu, S., Webber, J.F., Brasier, C.M., J. Bakonyi, J., Heungens, K., Grünwald, N.J., Jung, T. (2023). **Phylogeography and population structure of the global, wide host-range hybrid pathogen *Phytophthora x cambivora*.** *IMA Fungus* 14: 4.  
[DOI:10.1186/s43008-023-00109-6](https://doi.org/10.1186/s43008-023-00109-6) WoS citations: 10. Scopus citations: 9.

19. Raco, M., [Jung, T.](#), Horta Jung, M., Chi, N.M., Botella, L., Suzuki, N. (2023). **Sequence and phylogenetic analysis of a novel alphaendornavirus, the first virus described from the oomycete plant pathogen *Phytophthora heveae***. *Archives of Virology* 168: 158.  
[DOI: 10.1007/s00705-023-05786-7](#) WoS citations: 5. Scopus citations: 4.
20. [Jung, T.](#), Balci, Y., Broders, K.D., Milenković, I., Janoušek, J., Kudláček, T., Đorđević, B., Horta Jung, M. (2023). ***Synchrospora* gen. nov., a new Peronosporaceae genus with aerial lifestyle from a natural cloud forest in Panama**. *Journal of Fungi* 9: 517.  
[DOI: 10.3390/jof9050517](#) WoS citations: 4. Scopus citations: 4.
21. Maia, C., [Jung, T.](#), Engelen, A., Horta Jung, M., Custódio L. (2023). **Unravelling the lipids content and the fatty acid profiles of eight recently described *Halophytophthora* species and *H. avicennae* from the south coast of Portugal**. *Marine Drugs* 12: 227.  
[DOI: 10.3390/md21040227](#) WoS citations: 0. Scopus citations: 0.
22. Dorado, F.J., Corcobado, T., Brandano, A., Abbas, Y., Alcaide, F., Janoušek, J., [Jung, T.](#), Scanu, B., Solla, A. (2023). **First report of dieback of *Quercus suber* trees associated with *Phytophthora quercina* in Morocco**. *Plant Disease* 107: 1246.  
[DOI: 10.1094/PDIS-08-22-1795-PDN](#) WoS citations: 16. Scopus citations: 13.
23. Botella, L., Horta Jung, M., Rost, M., [Jung, T.](#) (2022). **Natural populations from the *Phytophthora palustris* complex show a high diversity and abundance of ssRNA and dsRNA viruses**. *Journal of Fungi* 8(11): 1118.  
[DOI: 10.3390/jof8111118](#) WoS citations: 17. Scopus citations: 17.
24. [Jung, T.](#), Milenković, I., Corcobado, T., Májek, T., Janoušek, J., Kudláček, T., Tomšovský, M., Nagy, Z., Durán, A., Tarigan, M., Sanfuentes von Stowasser, E., Singh, R., Ferreira, M., Webber, J., Scanu, B., Chi, N.M., Thu, P.Q., Junaid, M., Rosmana, A., Baharuddin, B., Kuswinanti, T., Nasri, N., Kageyama, K., Hieno, A., Masuya, H., Uematsu, S., Oliva, J., Redondo, M., Maia, C., Matsiakh, I., Kramarets, V., O'Hanlon, R., Tomić, Ž., Brasier, C., Horta Jung, M. (2022). **Extensive morphological and behavioural diversity among fourteen new and seven described species in *Phytophthora* Clade 10 and its evolutionary implications**. *Persoonia* 49:1-57.  
[DOI: 10.3767/persoonia.2022.49.01](#) WoS citations: 23. Scopus citations: 22.
25. Brasier, C., Scanu, B., Cooke, D., [Jung, T.](#) (2022). ***Phytophthora*: an ancient, historic, biologically and structurally cohesive and evolutionarily successful generic concept in need of preservation**. *IMA Fungus* 13: 12.  
[DOI: 10.1186/s43008-022-00097-z](#) WoS citations: 88. Scopus citations: 92.
26. Chen, Q., Bakhshi, M., Balci, Y., Broders, K.D., Cheewangkoon, R., Chen, S.F., Fan, X.L., Gramaje, D., Halleen, F., Horta Jung, M., Jiang, N., [Jung, T.](#), Májek, T., Marincowitz, S., Milenković, T., Mostert, L., Nakashima, C., Nurul Faziha, I., Pan, M., Raza, M., Scanu, B., Spies, C.F.J., Suhaizan, L., Suzuki, H., Tian, C.M., Tomšovský, M., Úrbez-Torres, J.R., Wang, W., Wingfield, B.D., Wingfield, M.J., Yang, Q., Yang, X., Zare, R., Zhao, P., Groenewald, J.Z., Cai, L., Crous, P.W. (2022). **Genera of phytopathogenic fungi: GOPHY 4**. *Studies in Mycology* 101: 417-564.  
[DOI: 10.3114/sim.2022.101.06](#) WoS citations: 121. Scopus citations: 116.
27. Raco, M., Vainio, E.J., Sutela, S., Eichmeier, A., Hakalová, E., [Jung, T.](#), Botella, L. (2022). **High diversity of novel viruses in the tree pathogen *Phytophthora castaneae* revealed by High-Throughput sequencing of Total and Small RNA**. *Frontiers in Microbiology* 13: 911474.  
[DOI: 10.3389/fmicb.2022.911474](#) WoS citations: 23. Scopus citations: 23.

28. Saiz-Fernández, I., Đorđević, B., Kerchev, P., Černý, M., Jung, T., Berka, M., Fu, C.-H., Horta Jung, M., Brzobohatý, B. (2022). **Differences in the proteomic and metabolomic response of *Quercus suber* and *Quercus variabilis* during the early stages of *Phytophthora cinnamomi* infection.** *Frontiers in Microbiology* 13: 894533.  
[DOI: 10.3389/fmicb.2022.894533](https://doi.org/10.3389/fmicb.2022.894533) WoS citations: 14. Scopus citations: 13.
29. Maia, C., Horta Jung, M., Carella, G., Milenković, I., Janoušek, J., Tomšovský, M., Mosca, S., Schena, L., Cravador, A., Moricca, S., Jung, T. (2022). **Eight new *Halophytophthora* species from marine and brackish-water ecosystems in Portugal and an updated phylogeny for the genus.** *Persoonia* 48: 54-90.  
[DOI: 10.3767/persoonia.2022.48.02](https://doi.org/10.3767/persoonia.2022.48.02) WoS citations: 14. Scopus citations: 15.
30. Čorcobado, T., Milenković, I., Saiz-Fernández, I., Kudláček, T., Plichta, R., Májek, T., Bačová, A., Ďatková, H., Dálya, L.B., Trifković, M., Mureddu, D., Račko, V., Kardošová, M., Đurkovič, J., Rattunde, R. Jung, T. (2022). **Metabolomic and physiological changes in *Fagus sylvatica* seedlings infected with *Phytophthora plurivora* and the A1 and A2 mating types of *P. ×cambivora*.** *Journal of Fungi* 8: 298.  
[DOI: 10.3390/jof8030298](https://doi.org/10.3390/jof8030298) WoS citations: 7. Scopus citations: 7.
31. Scanu, B., Jung, T., Masigol, H., Linaldeddu, B.T., Horta Jung, M., Brandano, A., Mostowfizadeh-Ghalamfarsa, R., Janoušek, J., Riolo, M., Cacciola S.O. (2021). ***Phytophthora heterospora* sp. nov., a new pseudoconidia-producing sister species of *P. palmivora*.** *Journal of Fungi* 7: 870.  
[DOI: 10.3390/jof7100870](https://doi.org/10.3390/jof7100870) WoS citations: 32. Scopus citations: 33.
32. Shakya, S.K., Grünwald, N.J., Fieland, V.J., Knaus, B.J., Weiland, J.E., Maia, C., Drenth, A., Guest, D.I., Liew, E.C., Crane, C., Chang, T.-T., Fu, C.-H., Minh Chi, N., Quang Thu, P., Scanu, B., Sanfuentes von Stowasser, E., Durán, Á., Horta Jung, M., Jung, T. (2021). **Phylogeography of the wide-host range panglobal plant pathogen *Phytophthora cinnamomi*.** *Molecular Ecology*, 30: 5164-5178.  
[DOI: 10.1111/mec.16109](https://doi.org/10.1111/mec.16109) WoS citations: 42. Scopus citations: 38.
33. Van Poucke, K., Haegeman, A., Goedefroit, T., Focquet, F., Leus, L., Horta Jung, M., Nave, C., Redondo, M.A., Husson, C., Kostov, K., Lyubenova, A., Christova, P., Chandelier, A., Slavov, S., De Cock, A., Bonants, P., Werres, S., Oliva Palau, J., Marçais, B., Jung, T., Stenlid, J., Ruttink, T., Heungens, K. (2021). **Unravelling hybridization in *Phytophthora* using phylogenomics and genome size estimation.** *IMA Fungus* 12: 16.  
[DOI: 10.1186/s43008-021-00068-w](https://doi.org/10.1186/s43008-021-00068-w) WoS citations: 44. Scopus citations: 38.
34. Vemić, A., Kerkez Janković, I., Kudláček, T., Jung, T., Šijačić-Nikolić, M., Nonić, M., Milenković, I. (2021). **Development of *Hymenoscyphus fraxineus* on seedlings from different half-sib lines of *Fraxinus angustifolia* in Serbia.** *Forest Pathology* 51: e12705. 1–11.  
[DOI: 10.1111/efp.12705](https://doi.org/10.1111/efp.12705) WoS citations: 3. Scopus citations: 1.
35. Oliveira, L.S.S., Jung, T., Milenković, I., Tarigan, M., Horta Jung, M., Lumbangaol, P.D.M., Sirait, B.A. and Durán, Á. (2021). **Damping-off, root rot and wilting caused by *Pythium myriotylum* on *Acacia crassicaarpa* in Sumatra, Indonesia.** *Forest Pathology* 51: e12687.  
[DOI: 10.1111/efp.12687](https://doi.org/10.1111/efp.12687) WoS citations: 5. Scopus citations: 6.
36. O'Hanlon, R., Destefanis, M., Milenković, I., Tomšovský, M., Janoušek, J., Bellgard, S., Weir, B., Kudláček, T., Horta Jung, M., Jung, T. (2021). **Two new *Nothophytophthora* species from streams in Ireland and Northern Ireland: *Nothophytophthora irlandica* and *N. lirii* sp. nov..** *PLOS ONE* 16(5): e0250527.  
[DOI: 10.1371/journal.pone.0250527](https://doi.org/10.1371/journal.pone.0250527) WoS citations: 7. Scopus citations: 7.

37. Jung, T., Horta Jung, M., Webber, J.F., Kageyama, K., Hieno, A., Masuya, H., Uematsu, S., Pérez-Sierra, A., Harris, A.R., Forster, J., Rees, H., Scanu, B., Patra, S., Kudláček, T., Janoušek, J., Corcobado, T., Milenković, I., Nagy, Z., Csorba, I., Bakonyi, J., Brasier, C.M. (2021). **The destructive tree pathogen *Phytophthora ramorum* originates from the Laurosilva forests of East Asia.** *Journal of Fungi* 7: 226.  
[DOI: 10.3390/jof7030226](https://doi.org/10.3390/jof7030226) WoS citations: 67. Scopus citations: 68.
38. Botella, L., Jung, T. (2021). **Multiple Viral Infections Detected in *Phytophthora condilina* by Total and Small RNA Sequencing.** *Viruses* 13: 620.  
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### **Papers in conference proceedings and abstract books**

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2. Jung, T., Horta Jung, M., Milenković, I., Scanu, B., Pérez-Sierra, A., Webber, J., Brasier, C. (2025). Urgent need for EU regulation and nursery accreditation schemes to prevent spread of introduced invasive plant pathogens via restoration activities. Book of Abstracts of the "10<sup>th</sup> European Botanic Gardens Congress (Eurogard10): Botanic Gardens in the UN Decade of Ecosystem Restoration", Rome (Italy), 22 to 26 September: 45.
3. Brandano, A., Mullett, M., Horta Jung, M., Milenković, I., Kudláček, T., Seddaiu, S., Pérez-Sierra, A., Oliva, J., Abad-Campos, P., Denman, S., Deidda, A., Jung, T., Scanu, B. (2025). Unveiling genetic diversity and population structure of the oak root pathogen *Phytophthora quercina*. Book of Abstracts of the 11<sup>th</sup> Meeting of the IOBC-WPRS Working Group "Integrated Protection in Oak Forests", Sassari (Italy), 22 to 25 September: 11.
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7. Maia, C., Aires, T., Brazão, J., Horta Jung, M., Jung, T., Serrão, E., Engelen, A.H. (2025). "(Halo)phytophthora pathogens: implications for seagrass restoration". In: Book of Abstracts of the "2<sup>nd</sup> European Seagrass Restoration Workshop", Arcachon (France), 8 to 10 April: 19.
8. Bose, T., Bourret, T., Brasier, C., Cooke, D., Govers, F., Grünwald, N., Jung, T., Scanu, B. (2024). *Phytophthora*: an ancient, historic, biologically and structurally cohesive and evolutionarily successful generic concept in need of preservation. In: Book of Abstracts of the "11<sup>th</sup> IUFRO Working Party S07.02.09 on Phytophthoras in Forests and Natural Ecosystems", Paihia (New Zealand), 8 to 13 September: 83.
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12. Jung T., Balci, Y., Broders, K., Milenković, I., Janoušek, J., Kudláček, T., Đorđević, B., Horta Jung, M. (2023). *Synchrospora* gen. nov., a new Peronosporaceae genus with aerial lifestyle from a natural cloud forest in Panama. In: Book of Abstracts of the combined meeting 'Oomycete Molecular Genetics Network (OMGN) meeting OMGN2023 and 7th International Oomycetes Workshop (IOW)' in Lyon, France, 19<sup>th</sup>-20<sup>th</sup> August 2023: 64.
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## Communications

### Oral communications in conferences

- 01/2026:** Invited speaker at the National Information Day Horizon Europe - Life Sciences: New opportunities, Technology Centre Prague, Czech Republic. "What works in Horizon Europe: experiences, challenges, and tips – project PurPest".
- 11/2025:** Invited speaker at the online meeting of the technical directors of the botanical gardens of Austria, Germany and Switzerland.
- Jung T., Marília Horta Jung, Ivan Milenković, Bruno Scanu, Ana Pérez-Sierra, Joan F. Webber, Clive M. Brasier. "Weitverbreitete Baumschulverseuchungen mit invasiven *Phytophthora*-Pathogenen - ein extremes Risiko für Aufforstungen, Renaturierungspflanzungen und natürliche Ökosysteme".
- 10/2025:** X. International Symposium on New Ornamental Crops", Kalamata, Greece. Co-author of the oral presentation: Milenković I., Sremčević J., Milanović S., Milenković M., Horta Jung M., Jung T. "Susceptibility of *Prunus laurocerasus* cultivars to aggressive *Phytophthora* pathogens"

- 09/2025:** EuroGard10: European Botanic Gardens Congress - Botanic Gardens in the UN Decade of Ecosystem Restoration, Headquarters of the Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.  
Jung T., Horta Jung M., Milenković I., Scanu B., Pérez-Sierra A., Webber J.F., Brasier C.M. "Urgent need for EU regulation and nursery accreditation schemes to prevent spread of introduced invasive plant pathogens via restoration activities".
- 09/2025:** 11<sup>th</sup> Meeting of the IOBC-WPRS Working Group "Integrated Protection in Oak Forests", Sassari, Italy. Co-author of the oral presentation: Brandano A., Mullett M., Horta Jung M., Milenković, I., Kudláček T., Seddaiu S., Pérez-Sierra A., Oliva J., Abad-Campos P., Denman S., Deidda A., Jung T., Scanu B. "Unveiling genetic diversity and population structure of the oak root pathogen *Phytophthora quercina*".
- 07/2025:** 17<sup>th</sup> Congress of the Mediterranean Phytopathological Union, Bari, Italy. Co-author of the oral presentations:  
 Brandano, A., Mullett, M., Jung, T., Horta Jung, M., Deidda, A., Scanu, B. (2025). "Unveiling intraspecific variability and population structure of the oak-pathogen *Phytophthora quercina* using genotyping-by-sequencing".  
 Caballol M., Redondo M., Catalán N., Corcobado T., Jung T., Marçais B., Milenković I., Nemesio-Gorrioz M., Stenlid J., Oliva J. "Climate acts as an environmental filter to forest pathogens".  
 Pérez-Sierra A., Jung T., Horta Jung M., Bakony J., Cooke D., Dogmus-Lehtijärvi T., Lahlali I., Milenković I., Morales Rodrigues C., Moricca S., Oliva J., Scanu B., Solla A., Vannini A., Woodward S., Cacciola S.O. "*Phytophthora* in different ecosystems of the Mediterranean macroregion: agriculture, horticulture, forestry, natural environments, and emerging *Phytophthora* threats from other regions".
- 04/2025:** 2<sup>nd</sup> European Seagrass Restoration Workshop", Arcachon, France. Co-author of the oral presentation: Maia C., Aires T., Brazão J., Horta Jung M., Jung T., Serrão E., Engelen A.H. "*(Halo)phytophthora* pathogens: implications for seagrass restoration".
- 01/2025:** Seminário internacional LIFE Alnus Taejo, 15th-16th January 2025, University of Evora, Portugal. Co-author of the oral presentation: Gomes Marques I., Vieites-Blanco C., Cupertino A., Albert J., Jung T., David T.S., Solla A., Rodríguez-González P. "*Phytophthora*-induced decline in Iberian alder: distribution, resilience and management".
- 10/2024:** Invited speaker at the 9th International Conference of Food, Agriculture, and Natural Resources (IC-FANRES), Hasanuddin University, Makassar, Indonesia. "*Phytophthora*: globally emerging diseases and biogeography".
- 09/2024:** 11th Meeting of the IUFRO Working Party 7.02.09: "*Phytophthora* in Forests and Natural Ecosystems", 8<sup>th</sup>-13<sup>th</sup> September 2024, Paihia, New Zealand.  
 Co-author of the oral presentation 'Bose, T., Bourret, T., Brasier, C., Cooke, D.E.L., Govers, F., Grünwald, N., Jung, T., Scanu, B. "*Phytophthora*: an ancient, historic, biologically and structurally cohesive and evolutionarily successful generic concept in need of preservation".
- 04/2024:** Invited speaker at the international Workshop of the American Phytopathological Society (APS) "The Genus *Phytophthora* - Don't Change a Winning Concept?"  
Jung, T. "Biological cohesion and synapomorphy within *Phytophthora* - and its contrast to *Pythium*".  
 Co-author of the oral presentations:  
Brasier, C. M., Grünwald, N., Bourret, T., Govers, F., Cooke, D., Scanu, B., and Jung, T. "The *Phytophthora* genus – history, characteristics and the case for retaining the concept".  
Scanu, B., Webber, J., and Jung, T. 2024. "European forest disease syndromes involving multiple *Phytophthora* species and clades".
- 10/2023:** XVI Congreso Nacional de la Asociación Española de Ecología Terrestre (AEET)", Almería, Spain. Co-author of the oral presentation: Romeralo C. Botella L., Jung T., Horta Jung M., Corcobado T., Berbegal M., Abad-Campos P., Witzell J. "The Good Soil" – can native soil microbiome suppress invasive soil-borne forest pathogens?".
- 08/2023:** Combined meeting 'Oomycete Molecular Genetics Network (OMGN) meeting OMGN2023 and 7th International Oomycetes Workshop (IOW)' in Lyon, France, 19<sup>th</sup>-20<sup>th</sup> August 2023. T. Jung, I. Milenković, Y. Balci, J. Janoušek, T. Kudláček, Z.Á. Nagy, B. Baharuddin, J. Bakonyi, K.D. Broders, S.O. Cacciola, T.-T. Chang, N.M. Chi, T. Corcobado, A. Cravador, A. Durán, M. Ferreira, C.-H. Fu, L. Garcia, A. Hieno, H.-H. Ho, C. Hong, M. Junaid, K. Kageyama, T. Kuswinanti, C. Maia, T. Májek, H. Masuya, G. Magnano di San Lio, B. Mendieta-Araica, N. Nasri, L. Oliveira, A. Pane, A. Pérez-Sierra, A. Rosmana, E. Sanfuentes von Stowasser, B. Scanu, R. Singh, M. Tarigan, P.Q. Thu, Z. Tomić, M. Tomšovský, S. Uematsu, J.F. Webber, H.-C. Zeng, F.-C. Zheng, C.M. Brasier, M. Horta Jung. "Worldwide forest surveys reveal forty new *Phytophthora* Clade 2 species with fundamental implications for *Phytophthora* biodiversity, biogeography and evolution and global forest biosecurity".

- 08/2023:** Plant Health 2023, the annual meeting of the American Phytopathological Society, Denver, Colorado, USA. Co-author of the oral presentation: Cauldron N.C., Weisberg A., Press C.M., Horta Jung M., Corcobado T., Webber J.F., Kageyama K., Hieno A., Masuya H., Uematsu S., Scanu B, Brasier C.M., Jung T., Chang J.H., Grünwald N. "Pangenome of global *Phytophthora ramorum* lineages reveals loss of crinkler effector genes and intra-specific plasticity".
- 04/2023:** Keynote speaker at the online conference "Screening alder resilience as a basis for riparian restoration", University of Lisbon, Portugal, 4<sup>th</sup> April 2023. "Vast numbers of unknown *Phytophthora* species in unsurveyed regions of the world, ineffective phytosanitary protocols and ubiquitous nursery infestations pose a serious threat to natural ecosystems in Europe".
- 08/2022:** Oomycete Molecular Genetics Network (OMGN) meeting OMGN2022 in Brno, Czech Republic, 22<sup>nd</sup>-25<sup>th</sup> August 2022.
- Presenter of 'Brasier, C., Scanu, B., Cooke, D., Jung, T. "*Phytophthora*: an ancient, historic, biologically and structurally cohesive and evolutionarily successful generic concept in need of preservation".
- Co-author of the oral presentation 'Maia, C., Horta-Jung, M., Engelen, A., Carella, G., Milenković, I., Janoušek, J., Tomšovský, M., Mosca, S., Schena, L., Cravador, A., Custódio, L., Moricca, S., Jung, T. "Diversity and ecological roles of *Halophytophthora/Phytophthora* species in marine and estuarine ecosystems at the Algarve coast of Portugal".
- 06/2022:** 10th Meeting of the IUFRO Working Party 7.02.09: "*Phytophthora* in Forests and Natural Ecosystems", 19<sup>th</sup>-25<sup>th</sup> June 2022, Berkeley, California, USA.
- Co-author of the oral presentations:
- Botella, L., Horta Jung, M., Janoušek, J., Raco, M., Maia, C., Jung, T. "A wide variety of viruses exists in *Phytophthora* and *Halophytophthora* spp. ".
- Corcobado, T., Milenković, I., Kudláček, T., Saiz, I., Trifković, M., Májek, T., Ďatková, H., Bačová, A., Benedek, D.L., Jung, T. "Pathological, physiological and metabolomic effects of co-infections by *Phytophthora cinnamomi* and the A1 and A2 mating types of *P. ×cambivora* on *Castanea sativa*".
- Ďatková, H., Milenković, I., Corcobado, T., Janoušek, J., Talgø, V., Tarigan, M., Durán, A., Kageyama, K., Hieno, A., Masuya, H., Uematsu, S., Webber, J.F., Brasier, C.M., Horta Jung, M., Jung, T. "Six New *Nothophytophthora* species from natural ecosystems in Europe and Asia".
- Májek, T., Corcobado, T., Milenković, I., Ferreira de Souza, M., Singh, R., Janoušek, J., Horta Jung, M., Jung, T. "A survey in natural ecosystems of Louisiana revealed a high diversity of previously known and new *Phytophthora* taxa".
- Oliva, J., Caballol, M., Redondo, M.A., Marcais, B., Jung, T., Milenkovic, I., Corcobado, T., Nemesio, M. "Distribution of *Phytophthora* communities along a climatic gradient in Europe".
- Raco, M., Jung, T., Mullet, M., Horta Jung, M., Balci, Y., Botella L. "Diversity of viruses in *Phytophthora* Clade 5".
- Solla, A., Moreno, G., Malewski, T., Jung, T., Klisz, M., Tkaczyk, M., Siebyla, M., Pérez, A., Cubera, E., Hrynyk, H., Szulc, W., Rutkowska, B., Martín, J.A., Belbahri, L., Oszako, T. "Phosphite spray for the control of oak decline induced by *Phytophthora* in Europe".
- 11/2021:** Invited speaker at the online workshop of the European Reference Laboratories, European Union Reference Laboratory (EURL) for pests on plants – on fungi and oomycetes, Malzéville, France, 16<sup>th</sup> November 2021. "Deciphering the origin of *Phytophthora ramorum* and *Phytophthora cinnamomi*".
- 01/2021:** Keynote speaker at the online conference "Riparian Forests - Restoration perspectives under biotic, abiotic and social pressures", University of Lisbon, Portugal, 20<sup>th</sup> January 2021. "*Phytophthora* – an increasing threat to riparian *Alnus* forests and other natural ecosystems".
- 10/2019:** Invited speaker at the "3rd Joint Annual Meeting of HORIZON 2020 Projects POnTE (Pest Organisms Threatening Europe) and XF-ACTORS (Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy), Ajaccio (France), 28<sup>th</sup> - 30<sup>th</sup> October 2019. 'Jung, T., Milenkovic, I., Corcobado, T., Tomšovský, M., Janousek, J., Panek, M., Ďatková, H, Balci, Y., Scanu, B., Brasier, C.M., Webber, J.F., Pérez-Sierra, A., Bakonyi, J., Seress, D., Durán, A., Tarigan, M., Oliveira, L., Sanfuentes von Stowasser, E., Magnano di San Lio, G., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Maia, C., Engelen, A., Carella, G., Moricca, S., Cacciola, S.O., Pane, A., La Spada, F., Kagayama, K., Hieno, A., Masuya, H., Uematsu, S., Talgø, V., Redondo, M., Oliva, J., Cravador, A., Chang, T.-T., Fu, C.H., Horta Jung, M. "Insights into the biogeography and global diversity of *Phytophthora*".
- 10/2019:** Ninth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in Forests and Natural Ecosystems. 17<sup>th</sup>-26<sup>th</sup> October 2019, La Maddalena, Sardinia, Italy.

Jung, T., Milenkovic, I., Corcobado, T., Tomšovský, M., Janousek, J., Panek, M., Ďatková, H., Balci, Y., Scanu, B., Brasier, C.M., Webber, J.F., Pérez-Sierra, A., Bakonyi, J., Seress, D., Durán, A., Tarigan, M., Oliveira, L., Sanfuentes von Stowasser, E., Magnano di San Lio, G., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Maia, C., Engelen, A., Carella, G., Moricca, S., Cacciola, S.O., Pane, A., La Spada, F., Kagayama, K., Hieno, A., Masuya, H., Uematsu, S., Talgø, V., Redondo, M., Oliva, J., Cravador, A., Chang, T.-T., Fu, C.H., Horta Jung, M. "Insights into the biogeography and global diversity of *Phytophthora*",

Jung, T., Orlikowski, L., Henricot, B., Abad-Campos, P., Aday, A.G., Casal, O.A., Bakonyi, J., Cacciola, S.O., Cech, T., Chavarriga, D., Corcobado, T., Cravador, A., Decourcelle, T., Denton, G., Diamandis, S., Doğmuş-Lehtijärvi, H.T., Franceschini, A., Ginetti, B., Glavendekić, M., Hantula, J., Hartmann, G., Herrero, M., Ivic, D., Horta Jung, M., Lilja, A., Keca, N., Kramarets, V., Lyubanova, A., Machado, H., Magnano di San Lio, G., Mansilla Vázquez, P.J., Marçais, B., Matsiakh, I., Milenkovic, I., Moricca, S., Nechwatal, J., Olsson, C., Oszako, T., Pane, A., Paplomatas, E.J., Varela, C.P., Prospero, S., Rial Martínez, C., Rigling, D., Robin, C., Rytönen, A., Sánchez, M.E., Scanu, B., Schlenzig, A., Schumacher, J., Slavov, S., Solla, A., Sousa, E., Stenlid, J., Talgø, V., Tomic, Z., Tsopelas, P., Vannini, A., Vettraino, A.M., Wenneker, M., Woodward, S., Sanz Ros, A.V., Pérez-Sierra, A. "The importance of the nursery pathway for the spread of *Phytophthora* species to natural ecosystems in Europe".

Co-author of the oral presentations:

Grünwald, N.J., Shakya, S.K., Knaus, B.J., Weiland, J.E., Fieland, V.J., Horta Jung, M., Maia, C., Drenth, A., Guest, D.I., Liew, E.C.Y., Crane, C., Scanu, B., Jung, T., Albornoz, F., Zachary S. L. Foster, Z.S.L., Larsen, M.M., Martin, F.N. "Novel insights into the evolution and emergence of *Phytophthora* pathogens using genomics approaches",

Brasier, C.M., Webber, J.F., Horta Jung, M., Uematsu, S., Hieno, A., Kagayama, K., Masuya, H., Jung, T. "*Phytophthora lateralis* discovered in Japan",

Milenković, I., Keča, N., Karadžić, D., Stanivuković, Z., Tomšovský, M., Milanović, S., Vemić, A., Radulović, Z., Corcobado, T., Horta Jung, M., Májek, T., Nowakowska, J.A., Oszako, T., Sikora, K., Jung, T. "Diversity of *Phytophthora* species in natural ecosystems in Serbia, Bosnia and Herzegovina and Montenegro (Western Balkans)",

Jung, T., La Spada, F., Aloï, F., Pane, A., Horta Jung, M., Evoli, M., Riolo, M., Ristaino, J.B., Schena, L., Cacciola, S.O. "Diversity of *Phytophthora* populations in Sicilian river ecosystems",

Jung, T., Milenković, I., Horta Jung, M., Nannig, A., Blaschke, M., Kudláček, T., Corcobado, T. "Efficacy of long-term phosphite applications to control *Phytophthora* dieback of mature *Fagus sylvatica*, *Quercus robur* and *Quercus petraea* trees under natural conditions",

Botella, L., Janousek, J., Raco, M., Jung, T. "Detection and description of viruses in *Halophytophthora* spp. from Portugal".

Raco, M., Jung, T., Vainio, E.J., Eichmeier, A., Penazova, E., Botella, L. "Detecting novel viruses of *Phytophthora castaneae* using high-throughput sequencing of small RNAs",

O'Hanlon, R., Destefanis, M., Bellgard, S., Weir, B., Milenković, I., Jung, T. "Describing two new species of *Nothophytophthora* (oomycota) from Ireland and Northern Ireland".

**07/2019:** 20<sup>th</sup> meeting of the Oomycete Molecular Genetics Network, Oban, Scotland (United Kingdom), 10<sup>th</sup> – 12<sup>th</sup> July 2019. 'Jung, T., Milenkovic, I., Corcobado, T., Tomšovský, M., Janousek, J., Panek, M., Ďatková, H., Balci, Y., Scanu, B., Brasier, C., Webber, J., Pérez-Sierra, A., Bakonyi, J., Seress, D., Durán, A., Tarigan, M., Oliveira, L., Sanfuentes von Stowasser, E., Magnano di San Lio, G., Schena, L., Mosca, S., Quang Thu, P., Nguyen Minh, C., Maia, C., Engelen, A., Carella, G., Moricca, G., Cacciola, S.O., Pane, A., La Spada, F., Kagayama, K., Hieno, A., Masuya, H., Uematsu, S., Talgø, V., Redondo, M., Oliva, J., Cravador, A., Chang, T.-T., Fu, C.H., Horta Jung, M. "Insights into the biogeography and global diversity of *Phytophthora*".

**03/2017:** Eighth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in Forests and Natural Ecosystems. 18<sup>th</sup>-25<sup>th</sup> March 2017, Sapa, Vietnam:

Jung, T., Durán, A., Sanfuentes von Stowasser, E., Schena, L., Mosca, S., Fajardo, S., González, M., Bakonyi, J., Seress, D., Scanu, B., Cravador, A., Maia, C., Horta Jung, M. "Diversity of *Phytophthora* species in Valdivian rainforests and their association with severe dieback",

Jung, T., Pérez-Sierra, A., Rees, H., Scanu, B., Bakonyi, J., Seress, D., Maia, C., Harris, A., Webber, J., Brasier, C., Horta Jung, M. "Diversity of *Phytophthora* species in natural forests and streams and in rubber plantations in Vietnam",

Jung, T., Scanu, B., Bakonyi, J., Seress, D., Kovács, G.M., Durán, A., Sanfuentes von Stowasser, E., Schena, L., Mosca, S., Thu, P.Q., Nguyen, C.M., Fajardo, S., González, M., Pérez-Sierra, A., Rees, H., Maia, C., Horta Jung, M.

"*Nothophytophthora* prov. nom., a new sister genus of *Phytophthora* from natural and semi-natural ecosystems in Europe, Chile and Vietnam".

Co-author of the oral presentations:

Horta Jung, M., Cravador, A., Maia, C., Schena, L., Mosca, S., Mora Sala, B., Carella, G., Moricca, S., Bakonyi, J., Seress, D., Scanu, B., Dionisio, L., Jung, T. "Diversity of *Phytophthora* species in forests, forest nurseries and riparian ecosystems of Portugal",

Jung, T., Horta Jung, M., Cacciola, S.O., Cech, T., Bakonyi, J., Seress, D., Mosca, S., Schena, L., Seddaiu, S., Pane, A., Magnano di San Lio, G., Maia, C., Cravador, C., Franceschini, A., Scanu, B. "Multiple new cryptic pathogenic *Phytophthora* species from Fagaceae forests in Austria, Italy and Portugal",

Biasi, A., Abdelfattah, A., Cacciola, S.O., Jung, T., Abad, G., Cooke, D.E.L., Randall, E., Horta Jung, M., Magnano di San Lio, G. Schena, L. "Development and application of an amplicon metagenomics approach based on the ras-related Ypt1 gene for the detection of *Phytophthora* species",

Milenković, I., Keča, N., Karadžić, D., Milanović, S., Sikora, K., Oszako, T., Nowakowska, J.A., Perez-Sierra, A., Jung, T. "Pathogenicity of *Phytophthora* × *serendipita* to *Quercus robur* and *Q. petraea* in Serbia",

Dam, V.T., Dang, N.Q., Nguyen, M.C., Jung, T., Horta Jung, M., Pérez-Sierra, A., Rees, H., Thu P.Q. "Biological characteristics of Pythiaceae species isolated from soil of *Hevea brasiliensis* plantations in the South of Vietnam".

**03/2017:** 29<sup>th</sup> Fungal Genetics Conference, Pacific Grove, California (USA), 14<sup>th</sup>-19<sup>th</sup> March 2017.

Co-author of the oral presentations:

Jung, T., Scanu, B., Bakonyi, J., Seress, D., Durán, A., von Stowasser, E.S., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Fajardo, S., González, M., Pérez-Sierra, A., Rees, H., Maia, C., Sala, B.M., Carella, G., Moricca, S., Cravador, A., Horta Jung, M. "Diversity of *Phytophthora* species from natural and semi-natural ecosystems in Portugal, Chile and Vietnam",

Jung, T., Scanu, B., Bakonyi, J., Seress, D., Kovács, G., Durán, A., von Stowasser, E.S., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Fajardo, S., González, M., Pérez-Sierra, A., Rees, H., Cravador, A., Maia, C., Horta Jung, M. "*Nothophytophthora* prov. nom., a new sister genus of *Phytophthora*".

**05/2015:** Invited speaker at the European Zoo Horticulture Conference, Zoo Nuremberg, Germany. "Forests, parks and nurseries are increasingly threatened by exotic invasive *Phytophthora* pathogens".

**11/2014:** Keynote speaker at the 7<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Esquel, Argentina:

Jung T., Horta Jung M., Scanu B., Pérez-Sierra A., Chang T., Abad-Campos P., León M., Kovács G.M., Husson C. and Bakonyi J. "Six new *Phytophthora* species from ITS Clade 7a including two sexually functional heterothallic hybrid species detected in natural ecosystems in Taiwan";

Jung T., Chang T., Pérez-Sierra A., Hsueh K., Fu C., Abad-Campos P., León M. and Horta Jung, M. "Diversity and impact of *Phytophthora* spp. in natural ecosystems of Taiwan".

Co-author of the oral presentations:

Horta Jung M., Cravador A., Maia C. and Jung T. "Diversity of *Phytophthora* species in forests, forest nurseries and riparian ecosystems of Portugal",

Horta Jung M., Maia C., Chang T., Hsueh K. and Jung T. "Screening of Asian oak species for potential resistance to *Phytophthora cinnamomi*",

Cech T.L., Jung T., Corcobado Sanchez T. and Daxer A. "Involvement of *Phytophthora* species in beech decline in Lower Austria",

Scanu B, Linaldeddu B.T., Deidda A., Maddau L., Franceschini A., Jung T. "Multiple new and invasive alien *Phytophthora* taxa from Mediterranean maquis ecosystems in Italy".

**10/2014:** Final conference of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)" in Estoril, Portugal. "Ubiquitous *Phytophthora* infestations of nurseries and plantings in Europe: the importance of the nursery pathway".

**10/2014:** Keynote speaker at the 17<sup>th</sup> congress of the Spanish Society of Phytopathology in Lleida, Spain. "Ubiquitous *Phytophthora* infestations of nurseries and plantings in Europe: the importance of the nursery pathway".

- 03/2014:** 24. Baum- und Bodenseminar in Jena ('24<sup>th</sup> Tree and Soil seminar Jena'), Jena, Germany. "Phytophthora und Möglichkeiten der Bekämpfung ('Phytophthora and possibilities of control')".
- 04/2013:** Conference 'Strategien der Gehölzverwendung im Landschaftsgarten ('Strategies for the use of woody plants in landscape gardens') in Regensburg, Germany: "Bedrohung von Parkanlagen durch eingeschleppte invasive Phytophthora-Erreger (Invasive Phytophthora species - a serious threat for parks)".
- 12/2012:** COST Action FP 1002 meeting in Uppsala, Sweden. "Ubiquitous Phytophthora infestations of nurseries and plantings in Europe demonstrate major failure of plant biosecurity".
- 11/2012:** COST FP 0801 meeting in Brussels, Belgium: "Ubiquitous Phytophthora infestations of nurseries and plantings in Europe demonstrate major failure of plant biosecurity"; "Results from phosphite trials for control of Phytophthora diseases in forests and natural ecosystems"; "Results from WG 4 on Management and Control".
- 09/2012:** Keynote speaker at the 6<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on 'Phytophthora in Forests and Natural Ecosystems' in Cordoba, Spain.
- Ubiquitous Phytophthora infestations of nurseries and plantings in Europe demonstrate major failure of plant biosecurity"; "Morphological and physiological adaptability of the genus Phytophthora"; "Involvement of Phytophthora species in European oak declines".
- Co-author of the oral presentations:
- Ginetti B., Moricca S., Ragazzi A., Jung T. "Phytophthora acerina sp. nov., a new species from the P. citricola complex causing aerial cankers on Acer pseudoplatanus in Italy",
- Milenkovic I., Keca N., Nowakowska J., Sikora K., Borys M., Oszako T., Jung T. "Phytophthora species in Serbia",
- Oßwald W., Fleischmann F., Cech T., Chambery A., Cravador A., Diamandis S., Diéz Casero J., Coelho A.C., Hansen E., Horta M., Jung T., Massola N.S., Orlikowski L.B., Prospero S., Ptaszek M., Rigling D., Robin C., Solla A., Sipos G., Trzewik A., Werres S. "How do Phytophthora spp. harm woody plants? ",
- Pérez-Sierra A., López-García C., León M., García-Jiménez J., Abad-Campos P., Jung T. "Species of Phytophthora associated with Quercus decline in the Mediterranean Park 'Carrascar de la Font Roja' (Spain)".
- 07/2012:** Invited discussant at the 'Seminar on International Trade and Invasive Alien Species', Geneva, Switzerland, organised by the Secretariat of the Standards and Trade Development Facility (STDF) of the World Trade Organization (WTO) in collaboration with the International Plant Protection Convention (IPPC) and the World Organisation for Animal Health (OIE).'
- 03/2012:** Invited speaker at the VI Jornadas de Jóvenes Investigadores en Conservación y Uso Sostenible de Sistemas Forestales, Valsain, Spain. "The genus Phytophthora: life cycle, ecology and evolutionary trends, and notorious tree diseases caused in the Americas and Australasia".
- 02/2012:** Invited speaker at the 1<sup>st</sup> meeting of SNS-EFINORD network 'Phytophthora -diseases of deciduous forest trees in Nordic and North-European regions', Malmö, Sweden. "The genus Phytophthora: life cycle, ecology and evolutionary trends".
- 11/2011:** COST FP 0801 meeting in Budapest, Hungary. "Multiple new Phytophthora species associated with natural ecosystems in Australia; evolutionary and ecological implications".
- 09/2011:** Invited speaker at the 2<sup>nd</sup> 'Reunión Científica de Sanidad Forestal Sociedad Española de Ciencias Forestales', Plasencia, Spain. "Phytophthora diseases of trees: an increasing threat to forestry, horticulture and nurseries in the world".
- 06/2011:** COST FP 0801 Training School on "Detection and Diagnosis of Phytophthora in Forest Ecosystems". Warsaw, Poland. "Ecology, survival and evolutionary trends in Phytophthora".
- 05/2011:** 1<sup>st</sup> full meeting of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)", Belgrade, Serbia. "Ubiquitous Phytophthora infestation of nurseries is spreading these aggressive tree pathogens into European forests and seminatural ecosystems at high frequency".
- 06/2010:** 2<sup>nd</sup> full meeting of COST Action FP 0801 "Established and Emerging Phytophthora: Increasing Threats to Woodland and Forest Ecosystems in Europe", in Viterbo, Italy. "Efficacy of potassium phosphite in controlling Phytophthora-mediated decline of mature Fagus sylvatica, Quercus robur and Tilia cordata, and shoot dieback of Rhododendron".
- 03/2010:** Keynote speaker at the 5<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on 'Phytophthora in Forests and Natural Ecosystems' in Rotorua, New Zealand. "Progress in understanding Phytophthora diseases of trees in Europe 2008-

- 2010'; "New insights into the survival strategy of *Phytophthora cinnamomi* in forests, woodlands and heathlands in Western Australia".
- 09/2009:** 2<sup>nd</sup> Workshop of COST Action FP0801 Working Group 3 'Diagnostics of *Phytophthora* species' and Working Group 4 'Management and Control of *Phytophthora* Diseases', Faro, Portugal. "Widespread *Phytophthora* infestations of nurseries in Central Europe and their role as primary pathway of *Phytophthora* diseases of trees", "Management of *Phytophthora* diseases in forests and natural ecosystems in Australia".
- 08/2008:** 9th International Congress of Plant Pathology, Turin, Italy. "Involvement of *Phytophthora* root and bark infections in the widespread decline of European beech in Bavaria".
- 08/2008:** 3rd International *Phytophthora*, *Pythium* and related genera Workshop, Turin, Italy. "Widespread *Phytophthora* infestations of nursery stock in Central Europe as major pathway of *Phytophthora* diseases of forests and semi-natural ecosystems".
- 08/2007:** 4th International IUFRO Unit 7.02.09 Meeting on 'Phytophthora in Forests and Natural Ecosystems', Monterrey, California. Keynote presentation "Further progress in understanding *Phytophthora* diseases of trees in Europe", "Widespread *Phytophthora* infestations of nurseries in Germany and Austria and their role as primary pathway of *Phytophthora* diseases of trees", "Modelling the potential distribution of *Phytophthora alni* root and collar rot of alders in Bavaria and preliminary application of the model to estimate the US susceptibility to *P. alni*".
- 02/2007:** First meeting of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)', Uppsala, Sweden. "*Phytophthora* diseases of trees – an increasing threat to European forests".
- 07/2006:** First International IUFRO Unit 7.03.12 Meeting on Alien Invasive Species and International Trade, Jedlnia, Poland. "*Phytophthora* root and collar rot of alders by the invasive *Phytophthora alni*: actual distribution, pathways, and modeled potential distribution in Bavaria".
- 11/2005:** International Conference "Possible limitation of dieback phenomena in broadleaved stands through silvicultural and protective measures", Puszczykowo, Poland. "Involvement of *Phytophthora* species in the decline of broadleaved stands in Germany".
- 09/2004:** Third International IUFRO Unit 7.02.09 Meeting on *Phytophthora* in Forests and Natural Ecosystems, Freising, Germany. "*Phytophthora* dieback of alders in Bavaria: distribution, pathways and management strategies', 'Root and collar rot and aerial bleeding cankers of beech in Bavaria caused by *Phytophthora* spp. ".
- 05/2003:** Conference „black alder - tree of the year 2003“, Rott / Inn, Germany. "*Phytophthora* root and collar rot of alders in Bavaria: distribution, pathways and management options".
- 05/2003:** Conference „black alder tree of the year 2003“, Burg im Spreewald, Germany. "Extent and distribution of the *Phytophthora* disease of alders in Bavaria, modes of spread and possible management strategy".
- 10/2002:** Forstwissenschaftliche Tagung (Conference of Forest Sciences) 2002, University of Göttingen, Germany. "Involvement of *Phytophthora* species in oak decline and the influence of site factors on the disease".
- 10/2001:** Second International IUFRO Unit 7.02.09 Meeting on *Phytophthora* in Forests and Natural Ecosystems, Murdoch University, Albany, West-Australian. "*Phytophthora* disease of alders in Bavaria: extent of damage, mode of spread, and management strategies", "Effect of environmental constraints on *Phytophthora* – mediated oak decline in Central Europe".
- 10/2000:** Forstwissenschaftliche Tagung (Conference of Forest Sciences) 2000, University of Freiburg, Germany. "Involvement of *Phytophthora* species in oak decline and the influence of site factors on the disease".
- 10/2000:** 52nd German Plant Protection Conference, German Phytomedical Society, Freising, Germany. "Involvement of *Phytophthora* species in oak decline and the influence of site factors on the disease".
- 11/1999:** 4th Westdeutsche Baumpflegetage (4th Western German Meeting on Arboriculture), Cologne, Germany. "Role of *Phytophthora* species in the disease complex oak decline".
- 09/1999:** First International IUFRO Unit 7.02.09 Meeting on *Phytophthora*'s in Forest and Wildland Ecosystems, Oregon State University, Grants Pass, Oregon. "Involvement of *Phytophthora* species in Central and Western European oak decline and the influence of site factors and nitrogen input on the disease".
- 09/1998:** 18th International IUFRO Meeting for Specialists in Air Pollution Effects on Forest Ecosystems, Heriot-Watt University, Edinburgh, UK. "Involvement of *Phytophthora* species in Central European oak decline and the influence of site factors and nitrogen input on the disease".

- 05/1998:** 3rd annual meeting of the Working Party 'Experimental Ecology of Plants' of the Ecological Society, Bielefeld, Germany. "Involvement of root pathogenic *Phytophthora* species in European oak decline".
- 03/1998:** Workshop of the IUFRO Working Party 'Disease / Environment Interactions in Forest Decline', Federal Office and Research Centre for Forests (BFW), Vienna, Austria. "Isolation, identification, geographical distribution and pathogenicity of *Phytophthora* species from declining oak and beech stands in Europe".
- 09/1995:** Eichensterben in Deutschland: Situation, Ursachenforschung und Bewertung (Oak decline in Germany: situation, causes and evaluation). Symposium at the Forest Research Station of Lower-Saxony in Göttingen, Germany. "Symptome und Nachweis eines *Phytophthora*-Befalls an Eichen (symptoms and detection of *Phytophthora* infections in oaks)".
- 08/1995:** International Colloquium on 'Bioindication of Forest Site Pollution: Development of Methodology and Training BIOFOSP', Slovenian Forestry Institute, Ljubljana, Slovenia. "*Phytophthora* root rot in declining forest trees".

### Posters in conferences

- 08/2023:** Combined meeting 'Oomycete Molecular Genetics Network (OMGN) meeting OMGN2023 and 7th International Oomycetes Workshop (IOW)'. 19<sup>th</sup>-20<sup>th</sup> August 2023, Lyon, France:
- 'Jung T., Balci, Y., Broders, K., Milenković, I., Janoušek, J., Kudláček, T., Đorđević, B., Horta Jung, M. (2023) *Synchrospora* gen. nov., a new Peronosporaceae genus with aerial lifestyle from a natural cloud forest in Panama'.
- 08/2023:** APS Plant Health 2023. 12th-16th August 2023, Denver, Colorado, USA:
- 'Cauldron, N.C., Weisberg, A.J., Press, C.M., Horta Jung, M., Corcobado, T., Webber, J.F., Kageyama, K., Hieno, A., Masuya, H., Uematsu, S., Scanu, B., Brasier, C.M., Jung, T., Chang, J.H., Grünwald, N.J. Pangenome of global *Phytophthora ramorum* lineages reveal loss of crinkler effector genes and intra-specific plasticity'.
- 03/2023:** Forest Protection Colloquium 2023. 21<sup>st</sup>-22<sup>nd</sup> March 2023, Austrian Research Centre for Forests (BFW):
- 'Corcobado, T., Milenković, I., Kudláček, T., Saiz, I., Trifković, M., Májek, T., Ďatková, H., Bačová, H., Benedek, D.L., Jung T. The potential of physiological parameters as predictors of mortality of *Castanea sativa* infected by *Phytophthora ×cambivora* and *P. cinnamomi*'.
- 09/2022:** 12th International Conference on Biological Invasions. 13<sup>th</sup>-16<sup>th</sup> September 2022, Tartu, Estonia:
- 'Talgø, V., Jung, T., Milenković, I., Corcobado, T., Pettersson, M., Brurberg, M.B. Several potential pathogens have been isolated from diseased eelgrass in Norway'.
- 08/2022:** Oomycete Molecular Genetics Network (OMGN) meeting OMGN2022. 22<sup>nd</sup>-25<sup>th</sup> August 2022, Brno, Czech Republic:
- 'Benigno, A., Horta Jung, M., Milenković, I., Janoušek, J., Kudláček, T., Nagy, Z.A., Durán, A., Tarigan, M., Kageyama, K., Hieno, A., Masuja, H., Uematsu, S., Junaid, M., Rosmana, A., Baharuddin, B., Kuswinanti, T., Nasri, N., Webber, J.F., Brasier, C.M., Maia, C., Moricca, S., Jung, T. Six new *Phytophthora* Clade 9 species from South-East Asian forests'.
- 'Corcobado, T., Klem, K., Kudláček, T., Májek, T., Urban, O., Mureddu, D., Trifković, M., Jung, T. Effects of a future climate change scenario on three European temperate tree species infested with soilborne *Phytophthora* species'.
- 'Májek, T., Corcobado, T., Milenković, I., Ferreira de Souza, M., Singh, R., Janoušek, J., Horta Jung, M., Jung, T. A survey in natural ecosystems of Louisiana revealed a high diversity of previously known and new *Phytophthora* taxa'.
- 'Milenković, I., Karadžić, D., Radulović, Z., Čurguz, V.G., Janoušek, J., Milanović, S., Horta Jung, M., Jung, T. Decline of *Juglans regia* caused by *Phytophthora* species in Serbia'.
- 'Raco, M., Jung, T., Mullet, M.S., Horta Jung, M., Botella, L. Diverse previously unknown viruses detected in *Phytophthora* Clade 5 species from Asia'.
- 'Raco, M., Vainio, E.J., Sutela, S., Eichmeier, A., Hakalová, E., Jung, T., Botella, L. High diversity of novel viruses in the tree pathogen *Phytophthora castaneae* revealed by high-throughput sequencing of total and small RNA'.
- 10/2019:** Ninth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in Forests and Natural Ecosystems. 17<sup>th</sup>-26<sup>th</sup> October 2019, La Maddalena, Sardinia, Italy:
- 'Corcobado, T., Jung, T., Kudláček, T., Májek, T., Plichta, R., Saiz, I., Kerchev, P., Matoušková, M., Bačová, A., Ďatková, H., Dálya, L.B., Trifković, M., Milenković, I. Physiological and histopathological characterization of infections caused by A1 and A2 mating types of heterothallic *Phytophthora* spp. in Fagaceae woody hosts'.

- ‘Ďatková, H., Tomšovský, M., Milenković, I., Májek, T., Corcobado, T., Jung, T. Diversity of *Phytophthora* species in forest streams and rivers in the southern part of Czech Republic and in northern Slovakia’.
- ‘Kaya, A.G.A., Doğmuş, T., Lehtijarvi, A., Woodward, S., Jung, T. *Phytophthora* infestations in Turkish forest nurseries’.
- 07/2019:** 20<sup>th</sup> Meeting of the Oomycete Molecular Genetics Network”, Oban, Scotland, United Kingdom:
- ‘Saiz-Fernández, I., Đorđević, B., Kerchev, P., Černý, M., Jung, T., Horta Jung, M. Metabolomic response of *Quercus variabilis* during *Phytophthora cinnamomi* infection’.
- 07-08/2018:** “11<sup>th</sup> International Congress of Plant Pathology”, Boston, Massachusetts, USA:
- ‘Shakya, S., Grunwald, N., Weiland, J.E., Fieland, V., Knaus, B.J., Horta Jung, M., Maia, C., Drenth, A., Guest, D.I., Liew, E.C.Y., Crane, Colin, Scanu, B., Jung, T. (2018) Analysis of global populations of *Phytophthora cinnamomi* suggests presence of two dominant clonal lineages and evidence of sex in Southeast Asia’.
- 10/2017:** XXIII Convegno Nazionale Società Italiana di Patologia Vegetale”, Piacenza, Italy:
- ‘Evoli, M., La Spada, F., Aloï, F., Scanu, B., Ruano-Rosa, D., Horta Jung, M., Wright, S., Pane, A., Agosteo, G.E., Schena, L., Magnano Di San Lio, G., Jung, T., Cacciola, S.O. Two new *Phytophthora* species pathogenic to citrus in Vietnam’.
- 06/2017:** 15<sup>th</sup> Congress of the Mediterranean Phytopathological Union: “Plant health sustaining Mediterranean Ecosystems”, Córdoba, Spain:
- ‘Evoli, M., La Spada, F., Aloï, F., Scanu, B., Ruano-Rosa, D., Horta Jung, M., Wright, S., Pane, A., Agosteo, G.E., Schena, L., Magnano di San Lio, G., Jung, T., Cacciola, S.O. *Phytophthora mekongensis* and *P. prodigiosa*, two new species associated with citrus in Vietnam’.
- 03/2017:** “29<sup>th</sup> Fungal Genetics Conference”, Pacific Grove, California, USA:
- ‘Jung, T., Scanu, B., Bakonyi, J., Seress, D., Kovács, G., Durán, A., von Stowasser, E.S., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Fajardo, S., González, M., Pérez-Sierra, A., Rees, H., Cravador, A., Maia, C., Horta Jung, M. *Nothophytophthora* prov. nom., a new sister genus of *Phytophthora*’.
- ‘Jung, T., Scanu, B., Bakonyi, J., Seress, D., Durán, A., von Stowasser, E.S., Schena, L., Mosca, S., Thu, P.Q., Minh, C.N., Fajardo, S., González, M., Pérez-Sierra, A., Rees, H., Maia, C., Sala, B.M., Carella, G., Moricca, S., Cravador, A., Horta Jung, M. Diversity of *Phytophthora* species from natural and semi-natural ecosystems in Portugal, Chile and Vietnam’.
- 03/2017:** 8<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on ‘*Phytophthora* in Forests and Natural Ecosystems’. Sapa, Vietnam:
- ‘Milenković, I., Keča, N., Karadžić, D., Pérez-Sierra, A., Jung, T. Occurrence and pathogenicity of *Phytophthora ×cambivora* on *Prunus laurocerasus* in Serbia’.
- 02/2017:** 63. Növényvédelmi Tudományos Napok, Budapest, Hungary:
- Jung T., Jung M. H., Scanu B., Seress D., Kovács G. M., Maia C., Pérez-Sierra A., Chang T-T., Chandelier A., Heungens K., van Poucke K., Abad-Campos P., Léon M., Cacciola S. O., Bakonyi J.. Hat új fitoftórafaj természetes ökoszisztémákból [Six new *Phytophthora* species from natural ecosystems]’.
- 09/2016:** XXII Convegno Nazionale Società Italiana di Patologia Vegetale”, Rome, Italy:
- ‘Evoli, M., Puglisi, I., Pane, A., Schena, L., Jung, T., Horta Jung, M., Bakonyi, J., Magnano di San Lio, G., Cacciola, S.O. Molecular analysis of the genetic diversity of *Phytophthora citrophthora* sensu lato using nuclear and mitochondrial DNA markers’.
- ‘Puglisi, I., Aloï, F., La Spada, F., De Patrizio, A., Ruano-Rosa, D., Pane, A., Agosteo, G.E., Schena, L., Horta Jung, M., Jung, T., Cacciola, S.O. Widespread occurrence of *Phytophthora multivora* in eastern Sicily’.
- 09/2012:** 6<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on ‘*Phytophthora* in Forests and Natural Ecosystems’ in Cordoba, Spain:
- ‘Milenkovic I., Keca N., Nowakowska J., Sikora K., Borys M., Oszako T. & Jung T.: *Phytophthora* species in Serbia’.
- ‘Ginetti B., Moricca S., Ragazzi A. & Jung T.: *Phytophthora acerina* sp. nov., a new species from the *P. citricola* complex causing aerial cankers on *Acer pseudoplatanus* in Italy’.
- ‘Bakonyi J., Nagy Z.A., Burgess T., Szigethy A., Nechwatal J., Koltay A., Woodward S., Belbahri L. & Jung T.: Characterisation of the two informally designated ITS Clade 6 taxa *Phytophthora* taxon Forestsoil and *P. sp. hungarica*’.

- 'Doğmuş – Lehtijarvi T., Gülden Aday A., Lehtijarvi A. & Jung T.: Pathogenicity of *Phytophthora* species on *Liquidambar orientalis* Mill. and *Castanea sativa* seedlings',
- 'Lyubanova A., Kostov K., Tsvetkov I., Oszako T., Borys M., Sikora K., Jung T. & Slavov S.: Diversity of *Phytophthora* species in forest ecosystems in Bulgaria',
- 'Miranda J., Corcobado T., Jung T., Martin-Garcia J., Pérez-Sierra A., Abad-Campos P. & Solla A.: Susceptibility of *Quercus ilex* to mixed infections by multiple *Phytophthora* species.',
- 'Solla A., Miranda J., Corcobado T., Martin-Garcia J., Cubera E., Pérez A. & Jung T.: Effect of *Phytophthora quercina*, *P. gonapodyides* and *P. cinnamomi* on germination of *Quercus ilex* acorns and seedling establishment in infested soils',
- 'Olejarski I., Kubiak K., Nowakowska J., Jung T. and Oszako T.: The occurrence of *Phytophthora* species in European Ecological Network NATURA 2000 in Poland',
- 'Scanu B., Linaldeddu B., Jung T., Maddau L. & Franceschini A.: *Phytophthora* species occurring in declining oak ecosystems in Sardinia (Italy)'.  
**11/2011:** COST FP 0801 meeting in Budapest, Hungary:  
 'Cech T. & Jung T.: Involvement of *Phytophthora* species in beech decline in Lower Austria'.  
 'Milenkovic I., Keca N. & Jung T.: Symptoms associated with *Phytophthora* species in forest ecosystems in Serbia'.  
 'Doğmuş – Lehtijarvi T., Gülden Aday A., Lehtijarvi A. & Jung T.: *Phytophthora* species from declining *Liquidambar orientalis* Mill. and *Castanea sativa* Mill. trees in south eastern part of Turkey'.  
**10/2011:** Conference 'Foresta 2050 – Pensar o Futuro', Oeiras, Portugal:  
 'Horta M., Solla A., Pérez-Sierra A., Cravador A. & Jung T.: A preliminary survey indicates a high diversity of *Phytophthora* species threatening forest nurseries and natural ecosystems in Portugal'.  
**03/2010:** 5<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Rotorua, New Zealand:  
 'Rea A., Jung T., Stukely M., Burgess T. & Hardy G.: Three new pathogenic *Phytophthora* species from natural ecosystems in the southwest of Western Australia',  
 'Edwards K., Dunstan W., Jung T. & Hardy G.: *Phytophthora* species associated with declining *Eucalyptus rudis* (Flooded Gum) in Western Australia',  
 'Corcobado T., Pérez-Sierra A., Haque M.M., Diez J.J., Jung T. & Solla A.: *Phytophthora* collar rot of alders in the Iberian Peninsula',  
 'Solla A., Pérez-Sierra A., Corcobado T., Haque M.M., Diez J.J. & Jung T.: First report of *Phytophthora alni* on *Alnus glutinosa* in Spain'.  
**08/2008:** 9th International Congress of Plant Pathology, Turin, Italy:  
 'Jung T.: Involvement of *Phytophthora* root and bark infections in the widespread decline of European beech in Bavaria'.  
 'Scott, P.M., Jung, T., Shearer, B.L., Barber, P.A. & Hardy, G.E.St.J. (2008): Potential role of *Phytophthora* species in *Eucalyptus gomphocephala* (tuart) decline. In: Third International Workshop on *Phytophthora/Pythium* and Related Genera, Ninth International Congress of Plant Pathology, 23 - 24 August, Turin, Italy'.  
**09/2004:** Third International IUFRO Unit 7.02.09 Meeting on *Phytophthora* in Forests and Natural Ecosystems, Freising, Germany:  
 'Jung, T. & Dobler, G.: Littleleaf Disease caused by *Phytophthora cinnamomi* on *Pinus occidentalis* and *Pinus caribaea* in the Dominican Republic'.  
**04/2005:** 13<sup>th</sup> Augsburger Baumpflege (13<sup>th</sup> Augsburg Meeting on Arboriculture), Augsburg, Germany:  
 'Jung, T. & Blaschke, M.: Die *Phytophthora* – Erkrankung der Erlen in Bayern: Erste Empfehlungen zum Umgang mit der Erkrankung (*Phytophthora* disease of alders in Bavaria: preliminary recommendations on disease management)'.  
**10/2000:** 52<sup>nd</sup> German Plant Protection Conference, 9<sup>th</sup> -12<sup>th</sup> Oct. 2000, Freising, Germany:  
 'Jung, T., Blaschke, M., Schlenzig, A., Oßwald, W.: Verbreitung des neuartigen Erlensterbens durch *Phytophthora* spp. in Bayern (distribution of *Phytophthora* related alder mortality in Bavaria).'  
**09/1999:** Workshop of the COST E6 / EUROSILVA Working Group III 'Biotic and abiotic interactions', Gozd Matuljek, Slovenia:

'Blaschke, H., Jung, T., Heyne, C., Oßwald, W. & Matyssek, R.: The relationships between the health status of oaks and the presence of *Phytophthora* spp. in the soil: a field assessment at sites in Bavaria.'

**06/1997:** Primo Congresso SISEF 'La Ricerca Italiana per le foreste e la selvicoltura', Agripolis, Legnaro (PD), Italy:

'Jung, T. & Paoletti, E.: Cambiamento globale e deperimento del leccio: il caso di *Phytophthora quercina* (Global change and the decay of holm oak: the case of *Phytophthora quercina*).'

**09/1997:** Workshop of COST E6 / EUROSILVA Working Group III 'Biotic and abiotic interactions', 1997, Oulu, Finland:

'Oßwald, W.F., Heiser, J., Albrecht, A., Giefing, M., Baker, R., Jung, T., Matyssek, R. & Elstner, E.F.: Investigations on the action of fungal toxins on plants (A mechanism also relevant for declining oak trees?).'

### ***Non-published oral presentations on Phytophthora as invited speaker***

**2025:** Online meeting of the technical directors of the botanical gardens of Austria, Germany and Switzerland.

**2020:** Department of Forest Sciences, ETH Zurich, Switzerland.

**2019:** Hasanuddin University, Faculty of Agriculture, Makassar, Sulawesi, Indonesia.

Department of Forest Sciences, ETH Zurich, Switzerland.

**2018:** Plant Health Program, Research and Development, Asia Pacific Resources International Limited (APRIL), 28300 Pangkalan Kerinci, Riau, Indonesia.

Department of Forest Sciences, ETH Zurich, Switzerland.

**2017:** Centre of Marine Sciences CCMAR, Faro, Portugal.

Gifu University, Japan.

Department of Forest Sciences, ETH Zurich, Switzerland.

**2016:** Department of Forest Sciences, ETH Zurich, Switzerland.

**2015:** University of Catania, Italy.

Department of Forest Sciences, ETH Zurich, Switzerland.

**2014:** University of Concepcion, Chile.

Department of Forest Sciences, ETH Zurich, Switzerland.

Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna, Austria.

Hungarian Academy of Sciences, Budapest, Hungary.

Mendel University, Brno, Czech Republic..

**2013:** Department of Forest Sciences, ETH Zurich, Switzerland.

Taiwanese Forestry Research Institute, Taipei, Taiwan.

University of Sassari, Sardinia, Italy.

Slovak University of Agriculture, Nitra, Republic of Slovakia.

University of Valladolid, Palencia, Spain.

**2012:** Department of Forest Sciences, ETH Zurich, Switzerland.

University of Sassari, Sardinia, Italy.

University of Florence, Italy.

University of Tuscia, Viterbo, Italy.

Finnish Forest Research Institute (Metla), Vantaa Unit, Jokiniemi, Finland.

Finnish Forest Research Institute (Metla), Suonenjoki Unit, Suonenjoki, Finland.

**2011:** Department of Plant Protection, University of Sassari, Italy.

- Department of Forest Sciences, ETH Zurich, Switzerland.  
University of Algarve, Faro, Portugal.  
Zoo Nuremberg, Germany.
- 2010:** Department of Forest Sciences, ETH Zurich, Switzerland.  
Murdoch University, Perth, Western Australia.  
University of Algarve, Faro, Portugal.  
Southern Swedish Forest Research Centre, Swedish University of Agricultural Sciences, Alnarp, Sweden.
- 2009:** Department of Forest Sciences, ETH Zurich, Switzerland.  
University of Extremadura, Plasencia, Spain.  
Akademie Landschaftsbau Weihenstephan GmbH (Academy for Landscaping Weihenstephan), Freising, Germany.
- 2008:** Christian-Albrechts-Universität, Kiel.  
Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria, South Africa.  
Department of Forest Sciences, ETH Zurich, Switzerland.  
Annual meeting of the Bund Deutscher Baumschulen (Association of German Nurseries) BdB in Bonn, Germany.
- 2007:** Murdoch University, Perth, Western Australia.  
Australasian Plant Pathology Society, Perth, Western Australia.  
Department of Forest Sciences, ETH Zurich, Switzerland.
- 2006:** Bavarian State Institute for Agriculture, Freising, Germany.
- 2005:** University of Konstanz, Germany.  
Annual Meeting of the Schutzgemeinschaft Deutscher Wald SDW, Ratzeburg, Germany.
- 2004:** Federal Office and Research Centre for Forests, Vienna, Austria.  
University of Tuscia, Viterbo, Italy.
- 2003:** First Göttinger Colloquium for Forest Protection, Forest Research Station of Lower Saxony, Göttingen, Germany.  
Forest Research Station of Baden-Württemberg, Freiburg, Germany.
- 2002:** Department of Plant Ecology, Lund University, Sweden.  
Institute for Forest Botany and Forest Entomology, Technical University Dresden, Germany.  
Forest Research Agency, Farnham, UK.
- 2001:** Institute of Forest Entomology, Forest Pathology and Forest Protection, University for Soil Science (BOKU), Vienna, Austria.
- 2000:** Department of Plant Ecology, Lund University, Sweden.  
Annual meeting of the Erzeugergemeinschaft Forstbaumschulen Süddeutschland (Association of Forest Nurseries Southern Germany) EZG in Ulm, Germany.
- 1999:** Forest Research Agency, Farnham, UK.  
Plant Protection Service, Wageningen, Netherlands.
- 1998:** Scottish Crop Research Institute, Dundee, UK.
- 1997:** Scottish Crop Research Institute, Dundee, UK.
- 1996:** INRA Nancy, Champenoux, France.  
Institute of Forest Protection and Dendrology, ETH Zürich, Switzerland.
- 1995:** Institute of Specific Botany and Mycology, University of Tübingen, Germany.

## Participation in Conferences and other Scientific Meetings

### Scientific meetings with published papers, abstracts or videos (see list of publications)

- 09/2025:** EuroGard10: European Botanic Gardens Congress - Botanic Gardens in the UN Decade of Ecosystem Restoration, Rome, Italy.
- 04/2024:** International online Workshop of the American Phytopathological Society (APS) "The Genus *Phytophthora* - Don't Change a Winning Concept?".
- 08/2023:** Combined meeting 'Oomycete Molecular Genetics Network (OMGN) meeting OMGN2023 and 7th International Oomycetes Workshop (IOW)' in Lyon, France.
- 08/2022:** Oomycete Molecular Genetics Network (OMGN) meeting OMGN2022 in Brno, Czech Republic.
- 10/2019:** "9<sup>th</sup> IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems", La Maddalena, Sardinia (Italy), 17 to 26 October.
- 07/2019:** 20<sup>th</sup> Meeting of the Oomycete Molecular Genetics Network", Oban, Scotland (United Kingdom).
- 03/2017:** 8<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Sapa, Vietnam.
- 11/2014:** Keynote speaker at the 7<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Esquel, Argentina.
- 10/2014:** Keynote speaker at the 17<sup>th</sup> congress of the Spanish Society of Phytopathology in Lleida, Spain.
- 09/2012:** Keynote speaker at the 6<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Cordoba, Spain.
- 03/2010:** Keynote speaker at the 5<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Rotorua, New Zealand.
- 08/2007:** Keynote speaker at the 4<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on '*Phytophthora* in Forests and Natural Ecosystems' in Monterey, California.
- 07/2006:** First International IUFRO Unit 7.03.12 Meeting on Alien Invasive Species and International Trade, Jedlnia, Poland.
- 11/2005:** International Conference "Possible limitation of dieback phenomena in broadleaved stands through silvicultural and protective measures", Puszczykowo, Poland.
- 04/2005:** 13<sup>th</sup> Augsburgger Baumpflegegetage (13<sup>th</sup> Augsburg Meeting on Arboriculture), Augsburg, Germany.
- 09/2004:** Third International IUFRO Unit 7.02.09 Meeting on *Phytophthora* in Forests and Natural Ecosystems, Freising, Germany.
- 05/2003:** Conference „black alder - tree of the year 2003“, Rott / Inn, Germany (published in Beiträge zur Schwarzerle, LWF-Bericht 42).
- 05/2003:** Conference „black alder tree of the year 2003“, Burg im Spreewald, Germany (published in *Forst und Holz* 58).
- 10/2002:** Forstwissenschaftliche Tagung (Conference of Forest Science) 2002, Göttingen, Germany.
- 10/2001:** Second International IUFRO Unit 7.02.09 Meeting on *Phytophthora* in Forests and Natural Ecosystems, Murdoch University, Albany, West-Australien.
- 10/2000:** 52<sup>nd</sup> German Plant Protection Conference, German Phytomedical Society, Freising, Germany.
- 10/2000:** Forstwissenschaftliche Tagung (Conference of Forest Science) 2000, Freiburg, Germany.
- 11/1999:** 4<sup>th</sup> Westdeutsche Baumpflegegetage, Cologne, Germany.
- 09/1999:** First International IUFRO Unit 7.02.09 Meeting on *Phytophthora's* in Forest and Wildland Ecosystems, Oregon State University, Grants Pass, Oregon.
- 09/1998:** 18<sup>th</sup> International IUFRO Meeting for Specialists in Air Pollution Effects on Forest Ecosystems, Heriot-Watt University, Edinburgh, UK.
- 05/1998:** 3<sup>rd</sup> annual meeting of the working party 'experimental ecology of plants' of the Ecological Society, Bielefeld, Germany.

- 03/1998:** Workshop of the IUFRO Working Party 'Disease / Environment Interactions in Forest Decline', Federal Forest Research Centre, Vienna, Austria.
- 09/1995:** Eichensterben in Deutschland: Situation, Ursachenforschung und Bewertung (Oak decline in Germany. Situation, causes and evaluation.) Symposium at the Forest Research Station of Lower-Saxony in Göttingen, Germany (published in *Mitteilungen der Biologischen Bundesanstalt für Land- und Forstwirtschaft*, Berlin-Dahlem, Volume 318).
- 08/1995:** International Colloquium on 'Bioindication of Forest Site Pollution: Development of Methodology and Training BIOFOSP', Slovenian Forestry Institute, Ljubljana, Slovenia.

### **Scientific meetings with summarizing reports**

- 10/2019:** "3rd Joint Annual Meeting of HORIZON 2020 Projects POnTE (Pest Organisms Threatening Europe) and XF-ACTORS (Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy), Ajaccio (France).
- 11/2012:** 4<sup>th</sup> full meeting of COST Action FP 0801 "Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Brussels, Belgium.
- 12/2011:** 2<sup>nd</sup> full meeting of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)", Warsaw, Poland.
- 11/2011:** 3<sup>rd</sup> full meeting of COST Action FP 0801 "Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Budapest, Hungary.
- 05/2011:** 1<sup>st</sup> full meeting of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)", Belgrade, Serbia.
- 06/2010:** 2<sup>nd</sup> full meeting of COST Action FP 0801 "Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Viterbo, Italy.
- 09/2009:** 2<sup>nd</sup> Workshop of Working Group 3 'Diagnostics of *Phytophthora* species' and Working Group 4 'Management and Control of *Phytophthora* Diseases', of COST Action FP 0801 "Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Faro, Portugal.
- 08/2008:** 3<sup>rd</sup> International *Phytophthora*, *Pythium* and related genera Workshop, Turin, Italy.
- 08/2008:** 9th International Congress of Plant Pathology, Turin, Italy.
- 02/2007:** First meeting of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)', Uppsala, Sweden.
- 11/2000:** Meeting of Task Leaders of the EU Concerted Action "*Phytophthora* disease of alder", Gembloux, Belgium.
- 06/2000:** Meeting of Task Leaders of the EU Concerted Action "*Phytophthora* disease of alder", Stourport on Severn, UK.
- 1998-2001:** Four workshops of the EU project „Long term dynamics of oak ecosystems: Assessment of the role of root pathogens and environmental constraints as interacting decline inducing factors”, (Project PATHOAK, „FAIRCT973926”), in Freising (Germany), Nancy (France), Viterbo (Italy) and Bordeaux (France).

### **Scientific meetings with non-published oral presentations**

- 01/2026:** National Information Day Horizon Europe - Life Sciences: New opportunities, Technology Centre Prague, Czech Republic.  
Annual digital meeting of Horizon 2020 project PURPEST "Plant pest prevention through technology-guided monitoring and site-specific control".
- 09/2025:** 4<sup>th</sup> annual digital meeting of BiodivERsA project RESTORESEAS "Marine forests of animals, plants and algae: nature-based tools to protect and restore biodiversity".
- 01/2025:** 3<sup>rd</sup> annual digital meeting of BiodivERsA project RESTORESEAS "Marine forests of animals, plants and algae: nature-based tools to protect and restore biodiversity".  
Annual digital meeting of Horizon 2020 project PURPEST "Plant pest prevention through technology-guided monitoring and site-specific control".
- 10/2024:** 9<sup>th</sup> International Conference of Food, Agriculture, and Natural Resources (IC-FANRES), Hasanuddin University, Makassar, Indonesia.
- 07/2024:** 2<sup>nd</sup> full meeting of Horizon 2020 project PURPEST "Plant pest prevention through technology-guided monitoring and site-specific control", Brno, Czech Republic.
- 04/2023:** Online conference "Screening alder resilience as a basis for riparian restoration", University of Lisbon, Portugal.
- 01/2023:** 1<sup>st</sup> annual digital meeting of BiodivERsA project RESTORESEAS "Marine forests of animals, plants and algae: nature-based tools to protect and restore biodiversity".
- 11/2021:** Online workshop of the European Reference Laboratories, European Union Reference Laboratory (EURL) for pests on plants – on fungi and oomycetes, Malzéville, France.
- 01/2021:** Online conference "Riparian Forests - Restoration perspectives under biotic, abiotic and social pressures", University of Lisbon, Portugal.
- 11/2017:** Joint annual meeting of Horizon 2020 projects POnTE: Pest organisms threatening Europe, and XFactors: *Xylella fastidiosa* active containment through a multidisciplinary - oriented research strategy, University of the Balearic Islands, Palma de Mallorca, Spain.
- 12/2016:** 2<sup>nd</sup> meeting of Horizon 2020 project POnTE: Pest organisms threatening Europe, Agricultural Sciences Institute, Spanish National Research Council Madrid, Spain.
- 12/2016:** 3<sup>rd</sup> meeting of Biodiversa project RESIPATH: Responses of European Forests and Society to Invasive Pathogens, INRA, Bordeaux, France.
- 02/2015:** 2<sup>nd</sup> meeting of Biodiversa project RESIPATH: Responses of European Forests and Society to Invasive Pathogens, University of Lleida, Spain.
- 03/2014:** Invited speaker at the 24. Baum- und Bodenseminar in Jena ('24<sup>th</sup> Tree and Soil seminar Jena'), Jena, Germany.
- 01/2014:** Inaugural meeting of Biodiversa project RESIPATH: Responses of European Forests and Society to Invasive Pathogens, Swedish Agricultural University (SLU), Uppsala, Sweden.
- 03/2012:** VI Jornadas de Jóvenes Investigadores en Conservación y Uso Sostenible de Sistemas Forestales, Valsain, Spain.
- 02/2012:** 1<sup>st</sup> meeting of SNS-EFINORD network 'Phytophthora -diseases of deciduous forest trees in Nordic and North-European regions', Malmö, Sweden.
- 09/2011:** Invited speaker at the 2<sup>nd</sup> 'Reunión Científica de Sanidad Forestal Sociedad Española de Ciencias Forestales', Plasencia, Spain.
- 03/2010:** Key speaker at the 5<sup>th</sup> International IUFRO Unit 7.02.09 Meeting on 'Phytophthora in Forests and Natural Ecosystems' in Rotorua, New Zealand.

### **Scientific meetings without oral presentations**

- 05/2024:** Inaugural meeting of the BiodivRestore Knowledge Hub, Paris, Italy.
- 01/2023:** Inaugural meeting of Horizon 2020 project PURPEST "Plant pest prevention through technology-guided monitoring and site-specific control", Oslo, Norway.
- 04/2022:** Digital kick-off meeting of BiodivERsA project RESTORESEAS "Marine forests of animals, plants and algae: nature-based tools to protect and restore biodiversity".
- 11/2015:** Inaugural meeting of Horizon 2020 project POnTE "Pest Organisms Threatening Europe", Rome, Italy.
- 10/2015:** 2<sup>nd</sup> full meeting of COST Action FP 1401 "A global network of nurseries as early warning system against alien tree pests (Global Warning)", Freising, Germany.
- 03/2015:** 1<sup>st</sup> full meeting of COST Action FP 1401 "A global network of nurseries as early warning system against alien tree pests (Global Warning)", Trabzon, Turkey.
- 01/2014:** 1<sup>st</sup> meeting of Biodiversa project RESIPATH: Responses of European Forests and Society to Invasive Pathogens, Uppsala, Sweden.
- 10/2013:** 4<sup>th</sup> full meeting of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)", Treviso, Italy.
- 09/2012:** 3<sup>rd</sup> full meeting of COST Action FP 1002 "Pathway Evaluation and Pest Risk Management In Transport (PERMIT)", Antalya, Turkey.
- 10/2011:** Conference 'Floresta 2050 – Pensar o Futuro', Oeiras, Portugal.
- 11/2008:** 4<sup>th</sup> meeting of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)', Florence, Italy.
- 05/2008:** 3<sup>rd</sup> meeting of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)', Vilnius and Palanga, Lithuania.
- 09/2007:** 2<sup>nd</sup> meeting of the 'European network on emerging diseases and invasive species threats to European Forest Ecosystems (FORTHREATS)', Brno, Czech Republic.

Brno, 09<sup>th</sup> March 2026  
(Dr. rer. silv. Thomas Jung)