

August 2024**Prof. Thomas Abeli**

Conservation Biologist, Plant Ecologist, Botanist

**Personal information**

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Career summary

1st August 2024: Associate Professor at the Department of Earth and Environmental Sciences of the University of Pavia, Pavia.

- 2019-2024: Associate Professor at the Department of Science of the University of Roma Tre, Roma.
- 2023: PI for the Project of National Relevance (PRIN) PHOTOPLANT “Response of arctic and alpine ecosystems to photoperiod-climate interaction in the context of climate change”.
- 2023: Leader of the expedition that rediscovered *Nymphaea thermarum* Eb. Fischer in Rwanda.
- 2018: National Scientific Qualification for the position of Full Professor in Applied and Environmental Botany valid until 06/11/2027 (Call D.D. 1532/2016)
- 2016-2018: Head of the research unit of UNIPV for the LIFE project LIFE14 NAT/IT/000759 “Conservation of amphibians and butterflies of open wet areas and their habitats at the Foreste Casentinesi National Park”
- 2007-2010: PhD in Experimental Ecology and Geobotany

Associated Editor of Plant Ecology (Springer-Nature).

Published articles: 103; Citations: 1947; H-Index: 24 (Source: Scopus August 2024)

Research topics:

My research activity can be assigned to two main research topics: first, the effect of climate change and connected processes on plant species and community, with a special focus on alpine areas (Alps, Apennines) and arctic and polar areas. Second, research (and practical activities) on plant conservation in highly impacted areas. The latter include the study of how modern agriculture practices affect threatened plant species and communities, with a focus on wetland dependent and grassland species.

Furthermore, I have marginally worked on crop landraces (identification and their characterization), on crop wild relatives for the identification of interesting ecological traits (resistance or tolerance traits), and on plant-insect interactions (e.g. pollination biology of the northern orchid *Calypso bulbosa* and of *Leucojum aestivum*).

Effects of climate change on cold-adapted plant species and communities

Two approaches are used: 1) long-term monitoring of geographically and ecologically marginal plant populations and their response to warming, climate fluctuation and extreme events; 2) experimental field and lab manipulations of ecological conditions (climate, soil, etc.) to investigate the response of plants to ecological cues, climate *in primis*. Field works are concentrated in the Apennines, Alps, Svalbard. Plant traits evaluated in these studies are basically the reproductive performance, the seed germination and the seedling establishment. I am part of the GLORIA project (GLobal Observation Research Initiative in Alpine environments) network for two target regions (N-Apennines and Orobian Alps). This worldwide project monitors the changes in the vegetation patterns and upward migration of plants at high altitudes.

Conservation Biology

The conservation topic is targeted on wetland plant species and communities. The context in which I operate is the Po Valley, one of the most populated areas of the world, where agriculture and industrial activities represent the most important pressures to biodiversity. Research and activities on conservation span from the application of the IUCN Categories and Criteria for the assessment of the species conservation status to plant reintroduction and ecological restoration. I significantly contributed to the EU Red List, the Mediterranean Red List and the Italian Red List and investigates the applicability of the IUCN protocol and its effectiveness. Most research is dedicated to the translocation of plants, habitat restoration and management. I performed ecological studies on several wetland species like *Stratiotes aloides*, *Isoetes malinverniana*, *Leucojum aestivum*, *Marsilea quadrifolia* and from these studies translocation projects are put in practice.

I promoted the theoretical framework of plant de-extinction and the role of herbaria in threatened plant conservation. Moreover, I rediscovered the presumed extinct in the wild *Nymphaea thermarum* in Rwanda and studies on the wild population of this species are ongoing.

Education

PhD: 2007 – 2010. Experimental Ecology and Geobotany, Faculty of Natural Science, University of Pavia, Italy. Thesis title: *Survival of small isolated plant populations: an integrated approach to evaluate population viability for future conservation actions*. Supervisors: Prof. G. Rossi, Dott. G. Parolo (University of Pavia); Prof. D. Matthies (Phillips University, Marburg, Germany).

Master Degree: 2005 – 2007. Scienze della Natura (Natural Science), University of Pavia. 110/110 with honours. Thesis title: *Applicazione delle categorie di minaccia IUCN a livello biogeografico: le piante con popolazioni al limite di areale in Appennino settentrionale*. Supervisors: Prof. G. Rossi, Dott. G. Parolo.

Language

Language	Reading	Writing	Speaking	Comprehension
		Italian: First Language		
English	Excellent	Good	Excellent	Excellent

2011: IELTS test 6,5/9 before traveling to Australia from July 2011 to January 2012

Professional experiences - Positions

2024-ongoing: Associate Professor of Applied Botany at the Department of Earth and Environmental Sciences of the University of Pavia. Permanent position.

2019-2024 Associate Professor of Applied Botany at the Department of Science of the University of Roma Tre, Roma. Permanent position.

2018 (November)-2019 (February) – Research Fellow at the Department of Life Sciences, University of Trieste, Italy.

2013 (July)-2018 (October) – Post-doc position. Department of Earth and Environmental Sciences, University of Pavia, Italy.

2012 (September)-2013 (June) – Research contract with the University of Pavia on the ecological characterization of local crop landraces and crop wild relatives.

2011 (August)-2012 (June) Sabbatical in Australia

2007-2010 – PhD position at the University of Pavia (see Education section)

2009 – Field assistant for the ENSCONET 5th Annual General Meeting and ENSCONET Seed Collecting Workshop, Trento, Italy.

2008 – Field assistant for the GLORIA Project (The Global Observation Research Initiative in Alpine Environments), resurvey 2008, Target Region Northern Apennines (IT-NAP). Tasks: monitoring changes in the summit flora of the target region.

2006 – Field assistant for the inventory and monitoring of the Flora of Val Viola, Central Alps, Italy.

Field assistant for the inventory and monitoring of the partridge in the Sardinia Island, Sardinia, Italy.

Projects and coordination experiences

2023-2025 – PI for the Research Project of National Relevance (PRIN) PHOTOPLANT “**Response of arctic and alpine ecosystems to photoperiod-climate interaction in the context of climate change**”. Contribution from the Ministry for University and Research: **236,148 €**

2022-2024 – Contract with the International Union for the Conservation of Nature (IUCN), European Union Representative Office a.i.s.b.l., for “**Providing technical and scientific support in measuring the pulse of European biodiversity using the Red List Index**”. Contribution: **12,000 €**.

2022 – Contract with the Council of Europe, Directorate General of Democracy, Directorate of Democratic Participation, Department of Culture, Nature and Heritage, Bern Convention for “Revise 1st and 2nd draft of the Guidance on communication on IAS and participation on the 42nd Standing Committee”. Contribution: **3650,00 €**.

2022 – **Conference organizer and chair** of the 1st International Plant Translocation Conference. Department of Sciences, University of Roma Tre. 20-23 June 2022, Rome. Website: <https://host.uniroma3.it/eventi/IPTC2022/>

- 2021 – Granted by **Cost Action CA18201 “Conserve Plants”** for the organization of the training school “Plant Translocation – Theory and Techniques” held from 24-26 March 2021.
- 2020 – Granted by **Darwin Initiatives Partnership Projects Round 26** for the networking project “Community action and research linkages for plant conservation in Kenya”, with Plants for Life as a partner. Contribution of £ 5,630.00.
- 2019 – Granted by the **European Commission** with a **Marie Curie Individual Fellowship for the proposal 829287 PHOTOCCLIM** “*Response of arctic and alpine ecosystems to photoperiod-climate interaction in the context of climate change*” with the University of Bern as hosting institution and **with a contribution of 203,149.44 €**. Unable to accept the grant due to the incompatibility with the permanent position of Associate Professor.
- 2018 – Main responsibility for the University of Pavia for the **project H2020** “Long-term ecosystem and socio-ecological research infrastructure – eLTER H2020” coordinated by the Environment Agency Austria and managed in Italy by the National Research Council. UNIPV participates to the project as a third party with a contribution of **5,391.63 €**.
- 2016-2018 – Main scientific responsibility for UNIPV for the EU LIFE Project Nature and Biodiversity “*Conservation of amphibians and butterflies of open wet areas and their habitats at the Foreste Casentinesi National Park*” LIFE14 NAT/IT/000759. **Contribution for UNIPV: 144,000 €**; Total contribution: 1,596,342 €; Coordinator: Parco Nazionale delle Foreste Casentinesi; Duration: 72 months; Funding source: EU Commission. <http://www.lifewetflyamphibia.eu/en/>
- 2015-2018 – Main responsibility for the Project “*Reintroduzione di Isoetes malinverniana nel Parco Lombardo della Valle del Ticino*” **Contribution for UNIPV: 43,300 €**; Coordinator: single partner UNIPV; Duration: 48; Funding source: Parco Lombardo della Valle del Ticino
- 2012 – Main scientific responsibility for the production of the book “*Orchidee Spontanee dell’Appennino Pavese*” [Orchids of the Pavia Province]. **Contribution: 10.000 €**; Duration: 12 months; Funding source: Fondazione Comunitaria della Provincia di Pavia. <http://www.floraitaliae.actaplantarum.org/viewtopic.php?t=41317>
- 2010 – Granted for the project “*Pollination biology of Calypso bulbosa*”. **Contribution 3,600 €**; Duration: 3 months; Funding source: Centre for International Mobility, Finland; Supervisor: Prof. Juha Tuomi (University of Oulu, Finland). Activity carried out at the Oulanka Research Station of the University of Oulu.

Involved in the management of the following projects:

- 2020 – ongoing: Nominated as **Management Committee Substitute** (05/06/2020) in the Cost Action CA18201 - An integrated approach to conservation of threatened plants for the 21st Century. Member of Working Group 2 “Sharing experience in plant ex situ conservation” within the same Cost Action.
- 2017-2018 – Project *ATTIV-AREE: Oltrepò Biodiverso, la natura che accoglie*. Fondazione Oltrepò. <http://www.gal-oltrepo.it/oltrepo-biodiverso-la-natura-che-accoglie/>
- 2014-2016 – Project PRIMTECH “*Advanced Priming Technologies for the Lombardy Agro-Seed Industry*”. Regione Lombardia & Fondazione Cariplo. <http://www-4.unipv.it/primtech/>
- 2012-2014 – Project V.C.L.R. “*Produzione di potenziali Varietà da Conservazione ortive ed agrarie Lombarde Registrate*”. Regione Lombardia. <http://www.labecove.it/download/landraces/SintesiProgettoVCLR.pdf>

Involved as member of the research unit in the following projects:

- 2021-2022 – Project AQUAFOOD - Microalghe per la rimozione di metalli pesanti e metalloidi dall'acqua: sicurezza

delle colture alimentari integrate, recupero di prodotti algali con alto valore intrinseco e riciclo dell'acqua [Microalgae for the removal of heavy metals and metalloids from water: safety of integrated food crops, recovery of algal products with high intrinsic value and recycling of water].

- 2018-2020 – Project “supporto tecnico-scientifico per l’elaborazione del IV Rapporto nazionale ex art. 17 per le specie e gli habitat terrestri e delle acque interne tutelati dalla Direttiva 92/43/CEE- Lotto n. 1 “Specie vegetali e habitat” [technical support for the IV national report ex art. 17 for terrestrial and freshwater species and habitats protected by the Directive 92/43/EEC - Lotto n. 1 “Specie vegetali e habitat].
- 2018 – Project “Assistenza coordinata alla pianificazione e realizzazione del monitoraggio delle specie vegetali e degli habitat inseriti negli allegati della dir. 92/43/CEE” – Parco Nazionale della Val Grande. [Project for the monitoring and research on habitat Directive (92/43/EEC) plant species and habitats in the Parco Nazionale della Val Grande].
- 2018 – Project “Assistenza coordinata alla pianificazione e realizzazione del monitoraggio delle specie vegetali e degli habitat inseriti negli allegati della dir. 92/43/CEE” – Parco Nazionale delle Dolomiti Bellunesi. [Project for the monitoring and research on habitat Directive (92/43/EEC) plant species and habitats in the Parco Nazionale delle Dolomiti Bellunesi].
- 2017-2018 – Development of Action Plans for the species of the habitat directive 92/43/EEC occurring in Lombardy.
- 2016-2018 – Project “*European Alpine conservation and research project*”. David and Claudia Harding. <http://www.alpineseedconservation.eu/>
- 2013-2015 – Project “*Adapting Agriculture to Climate Change: Collecting, Protecting and Preparing Crop Wild Relatives*” – Global Crop Diversity Trust & Millennium Seed Bank. <https://www.croptrust.org/our-work/supporting-crop-conservation/crop-wild-relatives/>
- 2013-2015 – Project of National Interest NextData. *A national system for the retrieval, storage, access and diffusion of environmental and climate data from mountain and marine areas*. Pilot project “*Effetti del cambiamento climatico sulle piante alpine*”. http://www.nextdataproject.it/sites/default/files/docs/WP1.7_ITA_2014_0.pdf
- 2012-2015 – Project SHARE “*Stations at High Altitude for Research on the Environment*”, research activity on “Climate change and expected impacts on alpine flora”
- 2009-2011 – Project ACE_SAP “*Ecosistemi alpini e cambiamento ambientale. Sensibilità e potenziale adattativo della biodiversità*” - Provincia Autonoma di Trento. http://www.acesap.it/acesap_news_detail.jsp?ID_NEWS=620&areaNews=82>emplate=acesap_home.jsp

Participation to workshops related to project preparation and management

- 2015 – Conference “Marie Skłodowska-Curie Actions in H2020 MSCA: bridging Business and research”. 6th June Milan.
- 2014 – Conference: “Importance of Communication and Dissemination for the EU Commission”, with practical training. 18th November, Pavia.

Teaching

Teaching at the Department of Earth and Environmental Sciences of the University of Pavia

2024-2025 – Course of “Reintroduzione di piante rare e minacciate” (6 ECTS), master course in Conservazione della Biodiversità, Didattica e Comunicazione Scientifica.

2017-2018 – Adjunct professor for the Laboratory of Conservation of the Genetic Resources (3 ECTS)

2016-2017, 2015-2016 – Adjunct professor for the course of Applied Botany (3 ECTS)

2012 – Tutor for the course of Environmental and Applied Botany and the Laboratory of Plant Ecology and Conservation.

Teaching at the Department of Science of the University of Roma Tre

2019 ongoing – Course of Conservation Biology (BIO/03; 3 ECTS), Master Course in Biodiversity and Ecosystem Management; Course of Botany (BIO/01-02-03; 8 ECTS), Bachelor Course in Science for Nature Protection and Sustainability.

2021 ongoing – Introduction to Biology (BIO/13; 1 ECTS), Bachelor Course in Biology.

2018-2019 – Lab. activities for the Course of Botany. Bachelor in Biology. University of Roma Tre.

2018 – National Scientific Qualification for the position of Full Professor (Applied and Environmental Botany). Call D.D. 1532/2016. Valid until 06/11/2027.

2018 – Qualification for the position of professor and researcher in the university system of Catalunya (Agència per a la Qualitat del Sistema Universitari de Catalunya).

International teaching

2021 – **Course leader for the course entitled “Plant translocation: theory and techniques”**, University of Roma Tre, Rome, 24-26 March.

2019 – **Course leader for the course entitled “Plant translocation: theory and techniques”**, Liverpool John Moores University, Liverpool, UK, 29 April - 02 May.

2018 – **Course leader for the course entitled “Plant translocation: theory and techniques”**, Liverpool John Moores University, Liverpool, UK, 30 April - 05 May.

2017 – **Course leader for the course entitled “Plant translocation: theory and techniques”**, Omsk State Pedagogical University, Omsk, Russia, 13-28 May. <https://www.researchgate.net/project/Plant-Translocation-research-and-perspectives>.

Post-graduate professional programs

2015, 2016, 2017 – Teacher of Forensic Botany for the post-graduate course “Scienze Forensi: approccio biologico-naturalistico, analitico, interpretativo”, University of Pavia. 6-10 February. 10 hours/year (total 30 h). <https://spmsf.unipv.it/master/sfor/il-master/docenti.html>

Other teaching and seminars

2021 – Invited lecture “*Collezioni ex situ e il loro ruolo nella conservazione delle specie minacciate*” Ciclo di conferenze online per i 250 anni dell’Orto Botanico di Ferrara. 22-04-2021.

- 2020 – Invited lecture “*Plant Translocation – Theory and Techniques*” within the course “Environmental restoration Unit” Bachelor of Science, year 2 and 3. School of Molecular and Life Sciences” Curtin University, Perth, Australia. 01-10-2020.
- 2014 – Seminar “*Plant population study and sampling*”. NASSTEC PhD induction course, a special PhD course created within the framework of the Marie Curie International Training Network (ITN), 23-28 October 2014.
- 2014 – Invited lecture “*Extreme weather events: the dark side of global climate change*” Millennium Seed Bank, Royal Botanic Garden, Wakehursts Place, UK. 29-10-2014.
- 2014 – Invited lecture “*Assessing species conservation status through red lists: a focus on Policy Species*”. University of Oulu, 23-01-2014.

Thesis supervisor

Since 2007, I supervised/co-supervised 11 Bachelor students and 8 Master students. Topics of the theses span from effect of climate change on plants, including extreme events and rare plant translocation.

Activity within PhD programs

Since 2019 - Member of the PhD Committee, PhD in Biology, Biotechnology, and Environmental Biology, at the University of Roma Tre.

PhD supervision/co-supervision

Martina D’Agostino, PhD in Biology, Biotechnology, and Environmental Biology, 37° cycle. Research title: Utilizzo e conservazione di specie segetali rare e in declino per il ripristino degli agro-ecosistemi.

Giulia Albani Rocchetti, PhD in Biology, Biotechnology, and Environmental Biology, 35° cycle. Research title: The role of old seed collections for plant de-extinction and quasi-in-situ reintroduction approaches.

Anna Corli, PhD in Earth and Environmental Sciences, University of Pavia. Title: *Competition or facilitation? Studies of wetland plant species in natural environment and agro-ecosystems for future translocation perspectives.*

Filippo Guzzon, PhD in Earth and Environmental Sciences, University of Pavia. Title: *Seed ecology and ex situ conservation of Aegilops and Citrullus in the context of climate change.*

Other supervision

2020 - External examiner of Fiona White PhD candidate at the Department of Earth and Environmental Sciences, University of Pavia for the research “Integrating ex situ seed conservation and plant translocations in the context of climate change”.

2020 - Local (University of Roma Tre) supervisor of Giulia Albani Rocchetti for the Short-Term Scientific Mission (STSM) “TESTING SEED GERMINATION FROM OLD HERBARIUM SPECIMENS FOR CONSERVATION PURPOSES” for a short-term mission at Meise Botanic Garden (Belgium) from 27-01-2020 to 25-02-2020. Grant number: ECOST-STSM-Request-CA18201-46128.

Institutional responsibility

- 2023-Ongoing – Nominated as a member of the Scientific Committee of the Botanical Garden of Pavia.
- 2022-Ongoing – Nominated as a member of the Scientific Committee of the Botanical Garden of Rome.
- 2021-2024 - Member of the Student-Teacher Commission [Commissione Paritetica] for the Bachelor's course in Nature protection and sustainability of the University of Roma Tre.
- 2020-2024 – Member of the Commissione Didattica Permanente and Commissione del Riesame for the Bachelor's course in Nature protection and sustainability of the University of Roma Tre. Department of Science, University Roma Tre.
- 2019-2024 – Member of the Commission on Sustainable Development and delegate of the Head of Department for the working group of the University of Roma Tre on Sustainable Development. Department of Science, University Roma Tre.
- 2015-2018 – Member of the Research Monitoring and Development Commission of the Department of Earth and Environmental Sciences of the University of Pavia.
- 2014-2018 – Representative of research fellows and post-docs in the administrative organs of the Department of Earth and Environmental Sciences of the University of Pavia. Elected for the first time for the biennium 2014-2016 and re-elected for the biennium 2016-2018.

Awards

- 2018 – Awarded with the Seal of Excellence” from the European Commission for the Marie-Sklodovska Curie project “Response of arctic and alpine ecosystems to photoperiod-climate interaction in the context of climate change; PHOTOCLIM”, with a score of 91/100.
- 2017 – Granted by “ERASMUS teaching staff” for the second edition of the course “Plant Translocation: Theory and Techniques” at John Moores University, Liverpool. April 2018.
- 2016 – Awarded by the Italian Botanical Society with a travel grant for the 111^o International Congress of the Italian Botanical Society, Rome, 20-23 September 2016.
- 2014 – Awarded by the ENSCONET Consortium with a travel grant for research activity at the Millennium Seed Bank, Royal botanic Gardens, UK.
- 2014 – Awarded by the New Phytologist Trust with a travel grant for the “*New Phytologist next generation scientists' meeting*” Norwich (UK) 29th – 30th July 2014.

Editorial duties

- 2012-Today – **Associated Editor of the Journal Plant Ecology**

- 2023 - **Guest editor** of the Special Issue “Advances in Plant Translocations” Plant Ecology, 224.
- 2021 – External reviewer for Springer Nature for the book proposal “Plant Ecology of Indian Himalaya” by Dr. Rajendra Mohan Panda.
- 2019-2020 – **Guest editor** of the Virtual Special Issue “Frankenstein's work or everyday conservation? Examining plant de-extinction in practice”, Journal for Nature Conservation.
- 2016 – **Guest editor** of the Special Issue “The role of ecological sciences in plant translocation” Plant Ecology, volume 217 (2).
- 2015 – **International reviewer** for a project of the Czech Academy of Sciences (info on the project confidential).
- 2014 – **Guest editor** of the Special Issue “Living with extreme” Plant Ecology volume 215 (7).
- 2011 – **International reviewer** for the PhD thesis R.F. Zamudio - Plantas acuáticas del Parque Nacional de Doñana, University of Sevilla, Spain.

Reviewer for several international journals: Aquatic Botany, American Fern Journal, **Biological Conservation**, Biology, BMC Evolutionary Biology, Climatic Change, **Conservation Biology**, Ecology and Evolution, Flora, Frontiers in Plant Science, **Global Change Biology**, Global Ecology and Conservation, Helyon, Hydrobiologia, Israel Journal of Plant Science, Journal for Nature Conservation, Journal of Agricultural Science and Technology, Journal of Biogeography, Land Degradation, **New Phytologist**, Oecologia, PeerJ, Plant Diversity, Plant Ecology, PlosOne, Sibbaldia, Wildlife Society Bulletin.

Membership of international societies

- Since 2018 – Member of the Plant Translocation Network coordinated by the Liverpool John Moores University and by the Nature Resource Canada.
- 2015 – Member of the scientific committee for the International Plant Congress, Italian Botanical Society, Pavia 14-17 September 2015.
- Since 2015 – Member of the Italian Botanical Society. Since 2023 member of the management committee of the Conservation Specialist Group.
- Since 2013 – Member and **co-chair** (since 2023) of the **IUCN SSC Freshwater Plant Specialist Group** (Chair: R. Lansdown)
- Since 2013 – Member of the **IUCN SSC Reintroduction Specialist Group** (Chair: P. Soorae)

Education and popularization

03/03/2024. Rai Scuola. Documentario sulla Giornata Mondiale della Natura Selvatica. <https://www.raiplay.it/video/2024/02/Oggi-e-3-marzo-Giornata-mondiale-della-natura-selvatica-f556b38a-e024-4fa9-aa43-a4955deb45c6.html>

18/10/2023. Rai Tre, interview on the rediscovery of *Nymphaea thermarum* and threatened species <https://eur01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnorma.ri.telpress.it%2Fnews%2F2023%2F10%2F19%2F2023101902066000746.MP4&data=05%7C01%7C%7Cf09fc12812dc447defd108dbd1623432%7Cffb4df68f464458ca54600fb3af66f6a%7C0%7C0%7C638333991927950138%7CUnknown%7CTWFpbGZsb3d8eyJWIjoi>

[MC4wLjAwMDAiLCQlIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=NAnGat8rbTAAV0c%2FGvmm4cAtcOoXxPq8Y4m5rZ2ecb4%3D&reserved=0](https://www.raiplaysound.it/2023/01/28/Inviato-Speciale-del-28012023-373f21db-4083-4c71-8f71-4a51d9088bca.html&data=05%7C01%7C%7Cb118ef94e37c4f735ccb08db081f90a6%7Cff4df68f464458ca5460fb3af66f6a%7C0%7C0%7C638112703886167856%7CUknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCQlIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=NAnGat8rbTAAV0c%2FGvmm4cAtcOoXxPq8Y4m5rZ2ecb4%3D&reserved=0).

28/01/2023 Rai Radio 1, radio interview on de-extinction

<https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.raiplaysound.it%2Faudio%2F2023%2F01%2FInviato-Speciale-del-28012023-373f21db-4083-4c71-8f71-4a51d9088bca.html&data=05%7C01%7C%7Cb118ef94e37c4f735ccb08db081f90a6%7Cff4df68f464458ca5460fb3af66f6a%7C0%7C0%7C638112703886167856%7CUknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCQlIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=WZkeCH2VB9zw%2BE3%2BZaK%2BFEm4igqTclxZW5WxvbrEI%3D&reserved=0>

26/07/2022 Futuro24, Rainews24, interview on plant conservation and on the IPTC2022.

<https://www.rainews.it/video/2022/07/futuro24-salvare-le-piante-in-via-destinazione-3dcbb85a-f306-47ca-baf2-2476c17a3d75.html>

14/05/2021 – Biodiversità vegetale e Cambiamento climatico. Youtube Channel “Scienza Show”.

<https://www.youtube.com/watch?v=tlLlIlgqNTuw>

30-05-2020 – Reintrodurre le piante, una buona azione. [Plant reintroduction a good deed]. Interview for the national newspaper “La Repubblica” by Vincenzo Foti.

14-05-2020 – Resuscitare specie estinte come dinosauri, mammut e piante: è possibile? Youtube Channel “Scienza Show”. <https://www.youtube.com/watch?v=49Q6ikviE6I&t=2435s>

06-2019 – Effetti dei cambiamenti climatici in Appennino settentrionale. Programma Nautilus TRC Emilia-Romagna.

13-05-2018 – Ciclo Musica e Scienza. Il cambiamento climatico in Appennino. Quali prospettive per la nostra flora? [Cycle Music & Science. Climate change in the Apennines. Which perspectives for the local flora?]. Museo di Storia Naturale di Piacenza.

Oral communications and posters

I participated with about 50 oral communications or posters to several congresses of national and international relevance. I mention here only those events in which I participated as invited speaker and few other important participations.

2023 – **Abeli T.** *What are the drivers of plant translocation outcome? A global perspective.* 4th Mediterranean Plant Conservation Week (4th MPCW), Valencia, Spain, 23-27 October. **Invited oral speaker.**

2023 – **Abeli T.**, D. Smith, J. Ewen. *Extinct in the Wild: A call to action for the most endangered group of species on Earth.* International Congress for Conservation Biology, Kigali, Rwanda, July 23-27. Oral speaker.

2023 – **Abeli T.** *Impact of climate change on alpine plants in southern European mountain chains.* 4th Czech International Rock Garden Conference, Průhonice, Sylva Tarouca Institute Conference Center 5-9 May 2023. **Invited oral speaker.**

2021 – **Abeli T.**, Rossi G., Orsenigo S., Dalrymple S., Godefroid S. *On farm plant reintroduction: a decision framework for plant conservation translocation in EU agro-ecosystems.* International Congress for Conservation Biology 2021. Online Congress, December 2021. Oral presentation. Presenter: T. Abeli.

- 2018 – **Abeli T.**, Dalrymple S., Godefroid S., Mondoni A., Müller J.V., Graziano R., Orsenigo S. *The challenge of plant de-extinction: an overview*. Session 5: Future Opportunities. 2nd International Wildlife Reintroduction Conference. Chicago 13-16 November 2018. Oral presentation. Presenter: T. Abeli.
- 2018 – Orsenigo S., Cere M., **Abeli T.** – *Marginal population hotspots of cold-adapted species in a warmer world*. BE-9 Life distribution and responses to environmental changes in Polar ecosystems. Polar 2018. Davos, 15-26 June 2018. Oral presentation. Presenter: T. Abeli.
- 2017 – **Abeli T.**, Rossi G., Orsenigo S. – *Air, water, soil and soil pore water, a review of the four dimensional challenge for wetland plant translocation*. Symposium: Biodiversity and conservation of aquatic plants. **XIX International Botanical Congress IBC 2017**. Shenzhen 23-29 July 2017. **Invited oral speaker**.
- 2016 – **Abeli T.**, Orsenigo S., Rossi G., Vagge I., Dixon K., Muller J.V. – *The role of ecological sciences in plant translocations*. X International Meeting of Biodiversity Conservation and Management, Cagliari, Sardinia, 13-18 June 2016. **Invited oral speaker**.
- 2013 – **Abeli T.**, Mondoni A., Orsenigo S., Rossi G. – *Climate and mountain vegetation*. High Summit International Scientific Conference on Mountains and Climate Change. Lecco 23-25 October 2013. **Invited oral speaker**.
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