

CURRICULUM VITAE

Personal Data

Full name: Apostolos Manolis

Date of birth: 30/10/1984, Athens.

Work address: Department of Forestry and Management of the Environment and Natural Resources, Democritus University of Thrace, Ath. Pantazidou 193, 68200 Orestiada, Greece.

Office phone: (+30) 25520 41133.

Marital status: Married, with three children.

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ACADEMIC QUALIFICATIONS:

DEGREE:

11/2008

Graduate of the Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace.

MSc:

11/2011

Master's Degree in "Sustainable Management of the Environment and Natural Resources", Specialization: Ecology and Protection of Forest Ecosystems. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. Master's Thesis: Genetic diversity of beech in the eastern Rodopi.

PhD:

06/2020

Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. PhD Thesis: "Genetic spatial patterns and biogeography of beech in NE Greece", graded "Excellent".

<http://hdl.handle.net/10442/hedi/47389>

TEACHING EXPERIENCE:

02/2026 – 06/2026

Co-teaching, with the Professor of the Department Ms. Kalliopi Radoglou, of the undergraduate course "General Botany – Physiology". Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Faculty Member.

09/2025 – 02/2026

Independent teaching of the undergraduate course "Forest Genetics and Conservation of Forest Genetic Resources". Department of

Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Contract Lecturer.

03/2025 – 06/2025

Independent teaching of the undergraduate courses “Molecular Markers and Plant Genetics” and “Evolutionary Biology and Biodiversity”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Contract Lecturer.

11/2024 – 02/2025

Independent teaching of the undergraduate course “Forest Genetics and Conservation of Forest Genetic Resources”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Contract Lecturer.

03/2024 – 06/2024

Independent teaching of the undergraduate courses “Molecular Markers and Plant Genetics” and “Evolutionary Biology and Biodiversity”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Contract Lecturer.

10/2023 – 02/2024

Independent teaching of the undergraduate courses “Forest Genetics and Conservation of Forest Genetic Resources” and “Molecular Markers and Plant Genetics”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. As a Contract Lecturer.

10/2022 - 06/2023

Independent teaching of the undergraduate courses “Genetics”, “Molecular Markers and Plant Genetics”, and “Evolutionary Biology and Biodiversity”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. Academic Teaching Experience Acquisition (MIS 5180690).

10/2021 - 06/2022

Independent teaching of the undergraduate courses “Genetics”, “Molecular Markers and Plant Genetics”, and “Evolutionary Biology and Biodiversity”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. Academic Teaching Experience Acquisition (MIS 5109495).

10/2020 - 09/2021	Independent teaching of the undergraduate courses “Genetics”, “Molecular Markers and Plant Genetics”, and “Evolutionary Biology and Biodiversity”. Department of Forestry and Management of the Environment and Natural Resources, of the Faculty of Agricultural and Forestry, Democritus University of Thrace. Academic Teaching Experience Acquisition (MIS 5063818).
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SECTIONS OF LABORATORY EXPERIENCE:

2009 – today	Department of Forestry and Management of the Environment and Natural Resources, Laboratory of Forest Genetics and Tree Breeding. Democritus University of Thrace.
2021 – 2022	Department of Medicine, Laboratory of Medical Biology, Democritus University of Thrace, Alexandroupoli.
2016 -2018	Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupoli.
2011	Department of Biology, Laboratory of Systematic Botany and Evolution, Section of Botany, Aristotle University of Thessaloniki.
2010	Department of Crop Science, Laboratory of Plant Breeding and Agricultural Experimentation, Agricultural University of Athens.

SCIENTIFIC PROJECTS AND PROGRAMS:

12/2021 – 06/2022	Analysis of the melliferous flora of Thrace. Duties: DNA extraction from melliferous plants and pollen grains. Biological material.
06/2021	Analysis of the melliferous flora of Thrace. Duties: DNA extraction from melliferous plants and pollen grains. Biological material.
03/2018 – 11/2018	Infrastructure for Next-Generation Genomic Data Analysis (MIS 5002780), employment: development of tools for population structure analysis, development of tools for functional annotation and prioritization of genomic variants (Deliverable P2.2.2). Deliverables: Technical report on the implementation of tools for population structure analysis and genomic variant prioritization (2.2.2); participation in conferences with oral or poster presentations for the effective dissemination, exploitation, and promotion of the results of the DUTH infrastructure (P2.3.2), with deliverable: conference presentations (2.3.2).

11/2016 – 06/2017

European multicenter study of tics in children – EMTICS (MATCHING FUNDS), employment: DNA isolation from blood samples, spectrophotometric quantification, and organization of samples in 96-well plates for further processing. Deliverable: report on DNA sample concentration and purity.

SCIENTIFIC JOURNALS / CONFERENCES:
INTERNATIONAL JOURNALS WITH PEER-REVIEW PROCESS:

Balaska, K., Adamidis, G. C., Varsamis, G., Papalazarou, K., Karanikola, P., Manolis, A., Kapapetsas, A., Eliades, N.G., Sandaltzopoulos, R., Papamatthaiakis, N., Poirazidis, K., Korakis, G. and Papageorgiou, A.C. (2021). Genetic diversity and spatial structure of the European population of *Malus trilobata* in Greece. GENETIKA, Vol. 53, No1, 103-119. <https://doi.org/10.2298/GENSR2101103B>

Varsamis, G., Merou, T., Takos, I., Malesios, C., Manolis, A. and Papageorgiou, A.C. (2020). Seed Adaptive Traits of *Fagus sylvatica* Populations in Northeastern Greece. Forest Science, fxaa003. <https://doi.org/10.1093/forsci/fxaa003>

Varsamis, G., Papageorgiou, A.C., Merou, T., Takos, I., Malesios, C., Manolis, A., Tsiripidis, I. and Gailing, O. (2019). Adaptive diversity of beech seedlings under climate change scenarios. Front. Plant Sci. 2019, 9, 1918. <https://doi.org/10.3389/fpls.2018.01918>

Adamidis, G.C., Dimitrakopoulos, P.G., Manolis, A. and Papageorgiou, A.C. (2014). Genetic diversity and population structure of the serpentine endemic Ni hyperaccumulator *Alyssum lesbiacum*. Plant Systematics and Evolution 300: 2051-2060. <https://link.springer.com/article/10.1007/s00606-014-1047-3>

GREEK JOURNALS WITH PEER-REVIEW PROCESS:

Papageorgiou, A.C., Manolis, A., Varsamis, G. (2015). The evolutionary history of plants during past climatic changes: lessons for the future. *Topics in Forestry, Environmental Management and Natural Resources*, Vol. 7: Climate Change: Interdisciplinary Approaches, pp. 96–109.

Manolis, A., Chatziskakis, S., Vidali, A., Myronidou, E., Papageorgiou, A.C., Genetic and morphometric characterization of beech diversity in the Eastern Rhodope Mountains. *Topics in Forestry, Environmental Management and Natural Resources*, Vol. 6: Biodiversity and the Natural Environment, pp. 127–134.

PROCEEDINGS OF INTERNATIONAL CONFERENCES WITH A PEER-REVIEW PROCESS:

Eliades, N.G.H., Kounnamas, C., Manolis, A., Pirikkis, A., Varsamis, G., Merou, T., Christou, A., Tsintides, T., Fady, B., Papageorgiou, A.C. (2014). Comparative morpho-anatomic characteristics of *Cedrus brevifolia* Henry needles: a tool for assessing species local adaptation. In: Book of Abstracts. International Symposium "Forest and Sustainable Development", 24-25 October 2014, Braşov, Romania, p16-17.

PROCEEDINGS OF GREEK CONFERENCES WITH A PEER-REVIEW PROCESS:

Manolis, A., Vidali, A., Giasiti, D., Kostoudi, C., Stamellou, S., Mouratidis, T., Drouzas, A., Tsiripidis, G., Papageorgiou, A.C. (2017). Detailed geographic distribution of beech chloroplast DNA haplotypes in northeastern Greece. 18th Hellenic Forestry Conference, 8–11 October 2017, Edessa.

Chrysafoudi, A., Manolis, A., Tsipidou, O., Papageorgiou, A.C. (2017). Geographical genetic diversity of beech populations in northern Greece based on EST-SSR markers. 18th Hellenic Forestry Conference, 8–11 October 2017, Edessa.

ABSTRACTS IN CONFERENCES AND POSTERS:

Participation in dozens of conferences from 2009 to 2025.

Indicatively:

Eliades N.-G., Varsamis G., Manolis A., Merou Th., Takos I., Kadis C., Fady B., Christou A.K., Papageorgiou A.C. (2025) Observation of morphological and anatomical features of needles of *Cedrus brevifolia* Henry: A Tool for better understanding their population structure. In Proceedings of the 5th Mediterranean Plant

conservation week – Building alliances for plant diversity conservation in the Mediterranean (5 MPCW CY2025), 07th-11th April, pp. 91, Limassol, Cyprus.

Tsetsos, F., Tsifintaris, M., Manolis, A., Papageorgiou, A., Galanis, A., Paschou, P. (2018). ELIXIR-GR: Bioinformatics tools for analysis of next-generation sequence data and an application example.

Pelekanaki, A.A., Manolis, A., Kostoudi, C., Korakis, G., Papageorgiou, A. (2017). Genetic diversity of cypress (*Cupressus sempervirens* L.) in the Rouvas forest in Crete. Proceedings of the 15th Hellenic Conference of the Hellenic Botanical Society, 14–17 September 2017, National and Kapodistrian University of Athens, Chania

Manolis, A., Rembi, P., Karantona, S., Tsikandilaki, V., Papadopoulou, A., Minadakis, N., Kapetanidou, D., Chatziskakis, S., Vidali, A., Tsiripidis, I., Drouzas, A., Papageorgiou, A. (2016). Chloroplast DNA sequences reveal two distinct groups of beech in Europe: a new biogeographical scenario. Abstracts volume, 8th Panhellenic Ecology Conference, Thessaloniki, 20–23 October 2016, Greece.

Kostoudi, C., Manolis, A., Giasiti, D., Korakis, G., Papageorgiou, A. (2011). Genetic diversity of Greek fir (*Abies cephalonica*) in Mount Parnitha. In: Book of Abstracts, 12th Panhellenic Scientific Conference, Hellenic Botanical Society, 29 September – 2 October 2011, Rethymno, p. 115.

Manolis, A., Vidali, A., Giasiti, D., Kostoudi, C., Katsiotis, A., Finkeldey, R., Papageorgiou, A. (2011). Genetic diversity of beech in the Eastern Rodopi. In: Book of Abstracts, 12th Panhellenic Scientific Conference, Hellenic Botanical Society, 29 September – 2 October 2011, Rethymno, p. 127.

Manolis, A., Vidali, A., Katsiotis, A., Finkeldey, R., Papageorgiou, A. (2010). Genetic structure of beech (*Fagus sylvatica*) populations in the forests of Evros. In: Book of Abstracts, 13th Panhellenic Conference of the Hellenic Scientific Society for Plant Breeding, 13–15 October 2010, Kalamata, p. 102.

Manolis, A., Chatziskakis, S., Vidali, A., Myronidou, E., Papageorgiou, A. (2009). Genetic and morphometric description of beech diversity in the Eastern Rodopi. In: Proceedings, 11th Hellenic Conference of the Hellenic Botanical Society, 8–11 October 2009, National and Kapodistrian University of Athens, Athens.