



Dr Dimitrios A. Samaras

Assistant Professor of Forest Botany - Geobotany

University of Thessaly

*Department of Forestry, Wood Sciences and Design
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Research Interests

Forest Botany, Vegetation of terrestrial ecosystems, Phytosociology, Forest vegetation ecology, Plant biodiversity, Bioclimatology, Vegetation – climate interactions, Drought quantification in local and regional scales, Spatial modelling of climatic variables, Climate change

Academic Education

- 2004 **Diploma**, *School of Forestry and Natural Environment, Aristotle University of Thessaloniki.*
- 2007 **Master's degree (MSc)**, *Faculty of Forestry and Natural Environment, Aristotle University of Thessaloniki.*
Specialisation: Forest Botany and Geobotany
- 2012 **Doctoral degree**, *Faculty of Forest and Environmental Sciences, University of Freiburg.*
Thesis: The vegetation of Greek fir (*Abies cephalonica* Loudon) forests on the Oxia-North Vardousia mountain system, central Greece, in relation to drought

Post-doctoral Education - Specialization

- 2014 - 2015 Post-doctoral research in the Institute of Mediterranean Forest Ecosystems and Forest Products Technology on “**Vulnerability assessment of the Greek fir forests to climate change**”.

Special skills

Computer skills

- ▶ Programming: **R**
- ▶ GIS: **QGIS, GRASS - GIS, R** (*sp, raster, maptools, rgeos, rasterVis*)
- ▶ Statistical and other software for input and analysis of vegetation data: **Turboveg, Juice, PAST, R** (*vegan, labdsv, cluster, BiodiversityR, Indicspecies*)
- ▶ Statistical and other software for input and analysis of climatic data: **Hydrognomon, R** (*hydroTSM, zoo, gstat*)

Languages

Greek	Native
English	Fluent
Spanish	Good Knowledge
German	Basic Knowledge

Awards - fellowships

- 1999 Commendation from the Faculty of Forestry and Natural Environment for the first place at the entry examinations to the Faculty for the academic year 1999-2000
- 2020 Fellowship of the Action "Supporting researchers with an emphasis on young researchers - round B", for conducting research in the Agricultural University of Athens in the framework of the Operational Program "Human Resources Development, Education and Lifelong Learning"

Professional Experience

- 2005 - 2006 **Teaching and technical assistant**, *Laboratory of Forest Botany and Geobotany, Aristotle University of Thessaloniki, Thessaloniki, Greece.*
- 2009 - 2010 **Scientific assistant**, *Chair of Site Classification and Vegetation Science, University of Freiburg, Freiburg, Germany.*
- 2014 - 2019 **Scientific consultant**, *Instituto Forestal, Valdivia, Chile.*
- 2019 - 2020 **Teaching fellow**, *Agricultural University of Athens, Karpenisi, Greece.*
- 2019 - 2020 **Teaching fellow**, *University of Thessaly, Karditsa, Greece.*
- 2020 - 2021 **Research fellow**, *Agricultural University of Athens, Karpenisi, Greece.*

Since 2021 **Assistant Professor**, *Department of Forestry, Wood Sciences and Design, University of Thessaly, Karditsa, Greece.*

Research Projects

I have participated in **thirteen** (13) research projects (5 in Greece and 8 abroad) as **member of a research team** and in **one** (1) project as **scientific coordinator**. From the 10 projects in total the 5 were competitive.

- 2003 Inventory and monitoring of plant species and habitat types in Dendropotamos stream area - Milotopi of Polichni
- 2008 - 2009 IKYDA - D/07/13425; The drought limit of beech (*Fagus sylvatica* L.) and hybrid fir (*Abies xborisii-regis* Mattf.) forests in Greece
- 2012 FORECOFUN-SSA PIEF-GA-2010-274798; Assessing climate change impacts over large areas of primary forests in southern South America
- 2013 Assessing high altitude Andean wetlands using plant community structure: a multivariate analysis and remote sensing approach
- 2014 CONICYT PAI # 821320069; Plant species diversity - invasibility relationships in coastal forest systems in central Chile
- 2014 - 2015 Proyecto Restauracion Ecologica Fase I La Rochela-Arauco (Estudio de reconversion de plantacion de *Eucalyptus globulus* a bosque nativo en el predio La Rochela, Lanco, XIV Region)
- 2014 - 2015 AgroETAK-3234/61; PITYS: Vulnerability assessment of the Greek fir forests to climate change
- 2014, 2016 - 2017 Métodos silviculturales alternativos para bosques adultos dominados por Tepú (*Tepualia stipularis*) en la Isla Grande de Chiloé
Alternative silvicultural methods for old growth forests dominated by Tepú (Tepualia stipularis) in the Isla Grande of Chiloé
- 2015 Vegetation sampling in northeastern and central Greece for habitat type's mapping of the Natura 2000 areas
- 2015 Monitoring and evaluation of habitat type's conservation status in the terrestrial protected areas of the Natura 2000 network in Greece
- 2017 Programa de restauración de bosques nativos degradados
- 2017 Valores para estimar el balance hídrico en cuencas forestales asociadas al abastecimiento de agua para el consumo humano en la zona centro sur de Chile: un análisis a partir de datos geoespaciales
- 2019 Sistema de apoyo para mejorar la competitividad de las empresas vinculadas a la industria de la eficiencia energética en el sector residencial de la Región de Los Ríos
- 2020 - 2021 The future of fir forests in Greece in the light of climate change

Teaching Experience

- 2019 - 2020 Teaching in the undergraduate study program of the Department of Forestry and Natural Resources Management (TEI of Sterea Ellada, Karpenisi), Agricultural University of Athens. Courses: **Environmental education, Forest ecology**
- 2019 - 2021 Teaching in the undergraduate study program of the Department of Forestry and Natural Resources Management (TEI of Thessaly, Karditsa), University of Thessaly. Courses: **Plant morphology and physiology, Forest botany - Αγγειόσπερμα, Forest ecology, Climate change**
- 2020 - 2022 Teaching in the undergraduate study program of the Department of Forestry, Wood Sciences and Design, University of Thessaly. Courses: **Plant morphology and physiology, Forest botany, Forest genetics**
- 2020 - 2022 Teaching in the post-graduate study program “Multifunctional Forest Ecosystem Management and Bioeconomics”, Department of Forestry, Wood Sciences and Design, University of Thessaly. Course: **Ecosystem management for the production of Non-Timber Forest Products**

Lecturer/Instructor in seminars and summer schools

- 2006 **Field Practicum in Greece 2006: Soil, Climate, Flora and Vegetation, Management**, Taxiarchis- Chalkidiki, Greece.
Summer school held in the University Experimental Forest of Taxiarchis-Vrastama, Greece with the participation of Aristotle University of Thessaloniki, Albert-Ludwigs Universität Freiburg, Universitatea Transilvania Braşov
- 2008 - 2010 **Site Classification of European forests, Romania (Braşov), Germany (Freiburg), Greece (University Experimental Forest of Taxiarchis-Vrastama)**. Lifelong Learning Programme – Erasmus Intensive Programmes of the European Union.
- 2016 **Introduction to R**, *Instituto Forestal*, Valdivia, Chile.
Conducting a series of seminars for the research staff of the Forest Research Institute of Chile (Instituto Forestal) on the use of the “R” statistical program

Scientific work

Publications

I have published **twenty-one** (21) scientific articles: **ten** (10) in **international peer - reviewed journals**, **four** (4) in **Greek peer - reviewed journals** and **seven** (7) in **proceedings of national conferences**. Additionally, I have published **two** (2) chapters in **books** and **nine** (9) abstracts in **books of abstracts of national and international conferences**.

- ▶ **Two** (2) **thesis**
- ▶ **Ten** (10) publications in **international peer-reviewed Journals**

- ▶ **Four** (4) publications in **national peer-reviewed Journals**
- ▶ **Seven** (7) publications in **proceedings of national conferences**
- ▶ **Nine** (9) publications in **book of abstracts of national conferences**
- ▶ **Two** (2) publications in **book of abstracts of international conferences**
- ▶ **Two** (2) **book chapters**

Scientific Editing

I have been scientific editor in **one** (1) botanical **book** about the plants of Dodecanissa

Project Reports

I have written **seventeen** (17) scientific reports

Conference Participation

I have participated in **nine** (9) **Greek** and **two** (2) **International** scientific conferences with **sixteen** (16) **presentations** (11 posters and 5 oral presentations)

National and International Recognition

Citations

	Total citations	Non-self citations
▶ International academic literature	51	47
In Scopus Journals	39	38
▶ National academic literature	5	4
Total number	56	51

Reviews

- ▶ Forestry: An International Journal of Forest Research
- ▶ International Journal of Biometeorology
- ▶ 8th Panhellenic Rangeland Congress. Thessaloniki, 1-3 October 2014

Affiliations

- ▶ Geotechnical Chamber of Greece
- ▶ Hellenic Forestry Society
- ▶ Hellenic Botanical Society
- ▶ Hellenic Society for the Protection of Nature