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SPYROS GALATSIDAS

CURRENT POSITION

Professor, Department of Forestry and Management of the Environment and Natural Resources, Democritus University of Thrace.
Forest management – Management of Non-timber Functions of Forest.

EDUCATION

Degree of the Department of Forestry and Natural Environment, Aristotle University of Thessaloniki, Greece.

Diploma of Specialized Post-Graduate Studies in Mediterranean Forest Resources, International Center for Advanced Mediterranean Agronomic Studies, Mediterranean Agronomic Institute of Chania, Greece.

Master of Science in Environment & Renewable Resources, International Center for Advanced Mediterranean Agronomic Studies. Mediterranean Agronomic Institute of Chania, Greece.

Ph.D. title: Doctor Rerum Naturalium, Forstwissenschaftliche Fakultät, Albert-Ludwigs-Universität Freiburg, Germany. Ph.D. thesis: "Development of an inventory system for the non-timber functions of forests in the frame of management inventories: the case of Greece".

Foreign languages: English – German

PROFESSIONAL, RESEARCH EXPERIENCE

Aridea Forest Service (1988). Management plan of the Forest Notia-Periklia.

Forest Management Lab, Aristotle University of Thessaloniki (1992). Research project: growth and yield of the most important Greek forest species.

Serres Forest Service (1993). Management plan of the Forest Ano Vrontou.

Forest Management Lab, Forest Research Institute of Thessaloniki (1994 – 1995). Development of a software program for the processing of forest inventory data.

ARCTOUROS non-governmental organization (1994–1995). Project ARCTOS I: Protection and management of brown bear populations and biotopes in Greece.

WWF Greece (1995). Project ARCTOS I: Protection and management of brown bear populations and biotopes in Greece and Special Environmental Study for Dadia Forest.

Forest Management Lab, Forest Research Institute of Thessaloniki (1995 – 1997). Research project (AIR3-CT94-2327): Development and Harmonization of Monitoring Systems for Forest Resources Management in Europe.

Environmental Studies Office (1996). Special Environmental Study for the eco-touristic development of Arachthos river watershed area.

Abteilung Forstliche Biometrie, Albert-Ludwigs-Universität Freiburg (1997). Research project (AIR3-CT94-2327): Development and Harmonization of Monitoring Systems for Forest Resources Management in Europe.

ARCTOUROS non-governmental organization (1997–1999). Project ARCTOS II: Protection and management of brown bear populations and biotopes in Greece.

Abteilung Forstliche Biometrie, Albert-Ludwigs-Universität Freiburg (1998–2000). Research project: The forest inventory as a base for a multifunctional management of forests in Greece.

Forest Management Lab, Forest Research Institute of Thessaloniki (2000). Research project: Development of a database system for the management of forests in Greece.

Abteilung Forstliche Biometrie, Albert-Ludwigs-Universität Freiburg (2000–2001). Research Project: Naturverjüngungsdynamik in langfristigen Femelschlag- Plenterüberführungs- und Plenterwälder (the dynamic of natural regeneration in various types of uneven-aged forest stands).

Forest Research Institute of Thessaloniki (2003). Research project: GEORANGE: Geomatics in the Assessment and Sustainable Management of Mediterranean Rangelands.

Technological Educational Institution of Kavala, Department of Forestry (2004–2006). Research project: Integrated management of natural ecosystems – the case of Elatia forest.

Institute of Mediterranean Forest Ecosystems and Forest Products Technology (2007–2009). Project LIFE – Nature: Conservation and monitoring of Mount Mainalo.

Technological Educational Institution of Kavala, Department of Forestry (2008–2009). Research project: Assessing biodiversity in Elatia forest.

Technological Educational Institution of Kavala and Democritus University of Thrace (2012). Research project: Development of a database and data processing system for the improvement of data management in the forest management praxis (Vouchers for SMEs).

Democritus University of Thrace, Department of Forestry and Management of the Environment and Natural Resources (2013–2016). Research project: Exploiting the potentialities of solid biomasses in EU Parks – BIOEUPARKS (Intelligent Energy Europe).

Democritus University of Thrace, Department of Forestry and Management of the Environment and Natural Resources (2016–2018). Research project: Sustainable Exploitation of Biomass for Bioenergy from Marginal Lands in Europe – SEEMLA, HORIZON 2020.

Democritus University of Thrace, Department of Forestry and Management of the Environment and Natural Resources (2017–2018). Research project: Development of a common protocol to assess the impact of forest management practices on climate change – EuropeAid (Project Reference no: CCGS/124).

Democritus University of Thrace, Department of Forestry and Management of the Environment and Natural Resources (2020–2025). Research project: Strategic Environmental Management in Mount Athos under Climate Change – LIFE STEMMA ATHOS, LIFE Climate Change Adaptation.

TEACHING EXPERIENCE

ABTEILUNG FORSTLICHE BIOMETRIE, ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG (1998-2000)

Teaching contribution to exercises in Forest Biometry, Forest Mensuration and Informatics.

TECHNOLOGICAL EDUCATIONAL INSTITUTION OF KAVALA, DEPARTMENT OF FORESTRY (2001-2010)

Teaching Forest Management and Forest Biometry courses.

TECHNOLOGICAL EDUCATIONAL INSTITUTION OF KAVALA, DEPARTMENT OF LANDSCAPE ARCHITECTURE (2007-2010)

Teaching Eco-statistics – Biometry courses.

TECHNOLOGICAL EDUCATIONAL INSTITUTION OF LAMIA, DEPARTMENT OF FORESTRY (2005-2006)

Teaching Forest Management and Forest Biometry courses.

**DEPARTMENT OF FORESTRY AND MANAGEMENT OF THE ENVIRONMENT AND NATURAL RESOURCES,
DEMOCRITUS UNIVERSITY OF THRACE, (2004-TODAY)**

Teaching courses at graduate level: Forest Management, Management Planning, Applied Forest Management, Management for NWFP/NTFP and Wetlands Management.

Teaching courses at postgraduate level: Economics and Management of Natural Resources, Principles and Methods of Environmental Management, Research Methodology, Statistical Analysis of Biological Data, Statistical Analysis in Sociological Research.

**SCIENTIFIC
INTERESTS**

Sustainable management of forest ecosystems. Forest resources production planning. Inventory and analysis of forest ecosystems. Assessment and valuation of ecosystem services. Database and GIS systems in forest management. Geospatial analysis of natural resources. Analysis of forest inventory data. Exploitation of forest biomass in energy production. Certification of sustainable forest management.

**RECENT
PUBLICATIONS
(SELECTED)**

Skordoulis, M., Ntanos, S., Kyriakopoulos, G.L., Arabatzis, G., Galatsidas, S. & Chalikias, M. 2020. Environmental Innovation, Open Innovation Dynamics and Competitive Advantage of Medium and Large-Sized Firms. *Journal of Open Innovation: Technology, Market, and Complexity*. 6(4): 195.

E. Fytoupoulou, S. Galatsidas, S. Tampakis, E. Karasmanaki and G. Tsantopoulos. 2020. Developing a typology for residents and local development: a case study in Northern Greece. *Int. J. Sustainable Agricultural Management and Informatics*, Vol. 6, No. 2. 163-178.

V. Andrea, S. Tampakis, P. Karanikola, S. Galatsidas, D. Giannakopoulos. 2020. Investigating the citizens' views and perceptions about the urban forest infrastructure and services of Komotini, Greece. *WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT* DOI: 10.37394/232015.2020.16.61. p. 598-607.

Palaiologou, P.; Kalabokidis, K.; Papalampros, L.; Galatsidas, S. 2020. Simulating Large-Scale Wildfires and Community Exposure: A Framework and Application in Macedonia, Greece. *International Multidisciplinary Scientific GeoConference: SGEM. Surveying Geology & Mining Ecology Management (SGEM)*. 20(13) 339-350.

E. Fytoupoulou, S. Tampakis, S. Galatsidas, E. Karasmanaki, G. Tsantopoulos. 2020. The role of events in local development: An analysis of residents' perspectives and visitor satisfaction. *Journal of Rural Studies* 82 (2021) 54–63.

S. Tsiantikoudis, S. Galatsidas, A. Paschalidou, E. Zafeiriou, G. Arabatzis. 2021. Environmental taxes and their use in European Union. 7th Conference Economics of Natural Resources & the Environment, 26-27 November 2021. <http://envecon.econ.uth.gr/main/>.

D. Myrtsidis, S. Galatsidas, G. Tsantopoulos and E. Manolas. 2021. Sustainable Management of Forest Ecosystems: The Views and Attitudes of Primary School Teachers in the Regional Unit of Evros, Greece. *Journal of Regional Socio-Economic Issues*, Vol. 11, Issue 3, September 2021. p. 58-71.

Palaiologou, P.; Kalabokidis, K.; Day, M.A.; Ager, A.A.; Galatsidas, S.; Papalampros, L. 2022. Modelling Fire Behavior to Assess Community Exposure in Europe: Combining Open Data and Geospatial Analysis. *ISPRS Int. J. Geo-Inf.* 2022, 11, 198. <https://doi.org/10.3390/ijgi11030198>.

Kantartzis, A.; Lemonakis, P.; Malesios, C.; Daoutis, C.; Galatsidas, S.; Arabatzis, G. 2022. Attitudes and Views of Citizens Regarding the Contribution of the Trail Paths in Protection and Promotion of Natural Environment. *Land* 2022, 11, 1585. <https://doi.org/10.3390/land11091585>.

- Zafeiriou, E.; Galatsidas, S.; Arabatzis, G.; Tsiantikoudis, S.; Batzios, A. 2023. Environmental Degradation by Energy–Economic Growth Interlinkages in EU Agriculture. *Energies* 2023, 16, 3900. <https://doi.org/10.3390/en16093900>.
- Ioannou, K.; Karasmanaki, E.; Sfiri, D.; Galatsidas, S.; Tsantopoulos, G. 2023. A Machine Learning Approach for Investment Analysis in Renewable Energy Sources: A Case Study in Photovoltaic Farms. *Energies* 2023, 16, 7735. <https://doi.org/10.3390/en16237735>.
- Karasmanaki, E.; Galatsidas, S.; Tsantopoulos, G. 2024. Socioeconomic Factors Driving the Transition to a Low-Carbon Energy System. *Energies*. 2024, 17, 3576. <https://doi.org/10.3390/en17143576>.
- Zafeiriou, E.; Arabatzis, G.; Tsantopoulos, G.; Galatsidas, S.; Tsiantikoudis, S. 2024. Exploring the Impact of the Greening of the Agri-Food Sector on Economic Growth: An Empirical Approach in the BVAR Framework for the EU. *Proceedings* 2024, 94, 27. <https://doi.org/10.3390/proceedings2024094027>.