

**CURRICULUM VITAE
&
SCIENTIFIC WORK**

DIMITRIOS P. PLATIS

THESSALONIKI
JUNE 2026

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1. Personal Information

1.1. Personal information

Place of birth: Thessaloniki

Date of birth: 18-07-1988

Home address: Paraskevopoulou 12, Thessaloniki

Postal code: 546 40 Thessaloniki

Tel. : +30 (2310 846 035)

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2. Education

2.1. Secondary Education

2000-2006: Experimental School of Aristotle University of Thessaloniki.

2.2. Undergraduate Studies

2.2.1.Integrated MSc (2006-2013): Faculty of Agriculture, School of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki.

2.3. Postgraduate Studies

2.3.1.MSc Degree (2013-2016): "Ecology and Sustainable Management of Ecosystems", Faculty of Agriculture, School of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki.

Postgraduate Diploma Thesis: "Energy balance and greenhouse gas emissions in tomato cultivation".

2.4. Doctoral Degree

2.4.1.PhD (2017-2022): Laboratory of Ecology and Environmental Protection, Faculty of Agriculture, School of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki. Grade: Excellent.

Title of Doctoral Dissertation: "Agrosilvopastoral Ecosystems - Energy Balances and Greenhouse Gas Emissions"

State Scholarships Foundation scholar.

Link to the National Archive of PhD Theses: <http://hdl.handle.net/10442/hedi/52750>

3. Postdoctoral Research

3.1. March 2024 - February 2025: Postdoctoral research entitled «Agri-environmental indicators and their linkage to ecosystem services: a study in crops of the Regional Unit of Larissa», funded through ELKE excellence scholarship, AUTH (Excellence Scholarships of the Faculties of Engineering, Sciences, Agriculture, Forestry & Natural Environment – 2023, Project 50186, Contract No. 673556).

4. Scholarships

4.1. 2018-2022: State Scholarships Foundation scholar: «Strengthening human research potential

through the implementation of doctoral research" - 2nd Cycle, within the framework of the Act with code OPS 5000432 of the Operational Programme "Human Resources Development, Education and Lifelong Learning" of the NSRF (2014-2020) (Contract No. 2018-050-0502-14171). Within the framework of the scholarship for the PhD studies the 6.2.2., 6.2.3. και 6.2.5 articles were published.

- 4.2.** February 2024 - February 2025: Postdoctoral Researcher, AUTH Research Committee excellence scholarship holder, Excellence Scholarships of the Faculties of Engineering, Sciences, Agriculture, Forestry & Natural Environment – 2023 (Project 50186 – Contract No. 673556). Within the framework of the postdoctoral research, the paper 6.2.9. was published.

5. Professional Experience

5.1 Teaching Experience

- 5.1.1. February 2026 - May 2026: Adjunct Lecturer** in the Faculty of Agriculture, Aristotle University of Thessaloniki, N524E Agricultural Ecology, Elective, 4 hours, within the scientific field of the position Plant Ecology.

- 5.1.2. February 2025 - June 2025: Adjunct Lecturer** in the Faculty of Agriculture, Aristotle University of Thessaloniki, N524E Agricultural Ecology, Elective, 4 hours, within the scientific field of the position Plant Ecology.

- 5.1.3. October 2024 - February 2025: Adjunct Lecturer** in the School of Environmental Engineering of the International Hellenic University, Aquatic Ecosystems, Compulsory, 4 hours, and Plant Artificial Ecosystems, Elective, 4 hours, within the framework of the scientific field of "Ecosystems".

- 5.1.4. April 2024 - July 2024: Adjunct Lecturer** in the School of Agriculture, Aristotle University of Thessaloniki, N524E Agricultural Ecology, Elective, 4 hours, within the scientific field of the position Plant Ecology.

5.2. Research Experience

- 5.2.1. February 2025 - September 2025: Research Associate** in the European H2020 programme "BIOVALUE Fork-to-farm agent-based simulation tool augmenting BIOdiversity in the agri-food VALUE chain" implemented by the Faculty of Agriculture of the Aristotle University of Thessaloniki. **Role in the Project:** a) participation in the creation of the report on the environmental impacts for each crop and the report on the pilot cases and b) participation in the creation of guidelines for the expansion of unexploited crops to enhance biodiversity

- 5.2.2. September 2024 - November 2024: Research Associate** in the research programme "Promoting the sustainability of wild olive ecosystems for the production of products of high nutritional value" (AGRIELIA) (M16ΣYN2-00152), implemented by the Forest Research Institute. **Role in the Project:** a) creation and development of online geospatial databases, where the vegetation potential of the experimental plots, the details of the cultivation treatments, and the soil analyses are depicted, while the abiotic and biotic parameters

affecting the conservation, development and improvement of wild olive trees are also recorded, b) recording and analysis of vegetation data, the identification of vegetation categories also in relation to the assessment of agroecosystems, and the identification and recording of various vegetation categories from the experimental plots, c) participation in the dissemination of information and results on a dedicated project website, d) determination of the energy and carbon footprint of the wild olive forest farm, e) evaluation of the data arising from the analyses of the individual wild olive products (leaves, fruits) and statistical processing of the data, and f) thematic cartographic visualisation of the experimental data.

5.2.3. March 2024 - February 2025: Postdoctoral Researcher, AUTH Research Committee excellence scholarship holder, Excellence Scholarships of the Schools of Engineering, Natural Sciences, Agriculture, Forestry & Natural Environment - 2023 (Project 50186 - Contract No. 673556).

5.2.4. April 2024 - December 2024: Research Associate in the European H2020 programme "BIOVALUE Fork-to-farm agent-based simulation tool augmenting BIODiversity in the agri-food VALUE chain" implemented by the Faculty of Agriculture of the Aristotle University of Thessaloniki. **Role in the Project:** a) mapping of biodiversity in selected study areas, b) analysis and modeling of the impacts of land use change and changes in available water reserves on biodiversity, c) investigation of the interconnection between climate change and biodiversity and d) research on underutilized crops in modern agroecosystems .

5.2.5. November 2023 - December 2023: Research Associate in the research programme "Promoting the sustainability of wild olive ecosystems for the production of products of high nutritional value" (AGRIELIA) (M16ZYNN2-00152), implemented by the Forest Research Institute. **Role in the Project:** a) creation and development of online geospatial databases, where the vegetation potential of the experimental plots, the details of the cultivation treatments, and the soil analyses are depicted, while the abiotic and biotic parameters affecting the conservation, development and improvement of wild olive trees are also recorded, b) recording and analysis of vegetation data, the identification of vegetation categories also in relation to the assessment of agroecosystems, and the identification and recording of various vegetation categories from the experimental plots, c) participation in the dissemination of information and results on a dedicated project website, d) determination of the energy and carbon footprint of the wild olive forest farm, e) evaluation of the data arising from the analyses of the individual wild olive products (leaves, fruits) and statistical processing of the data, and f) thematic cartographic visualisation of the experimental data.

5.2.6. January 2023 - December 2023: Research Associate in the European H2020 programme "BIOVALUE Fork-to-farm agent-based simulation tool augmenting BIODiversity in the agri-food VALUE chain" implemented by the Faculty of Agriculture of the Aristotle University of Thessaloniki. **Role in the Project:** a) mapping of biodiversity in selected study areas, b) analysis and modeling of the impacts of land use change and changes in available water reserves on biodiversity, c) investigation of the interconnection between climate change and biodiversity and d) research on underutilized crops in modern agroecosystems .

5.2.7. May 2022 - December 2022: Research Associate in the European H2020 programme

"BIOVALUE Fork-to-farm agent-based simulation tool augmenting BIOdiversity in the agri-food VALUE chain" implemented by the Faculty of Agriculture of the Aristotle University of Thessaloniki. **Role in the Project:** a) mapping of biodiversity in selected study areas, b) analysis and modeling of the impacts of land use change and changes in available water reserves on biodiversity, c) investigation of the interconnection between climate change and biodiversity and d) research on underutilized crops in modern agroecosystems .

5.2.8. June 2017 - September 2017: Research Associate in the European H2020 programme "SALSA - Small farms, small food businesses and sustainable food security", implemented from the Agricultural University of Athens. **Role in the project:** on-site inspection of farm plots, recording and mapping, in the Regional Unit of Imathia.

5.2.9. August 2015 - February 2016: Research Associate in the National research programme "Grazing management research in the Pastures of the Regional Units of Aitolokarnania, Serres, Xanthi and Larissa - Preparation of temporary grazing management plans per Municipality" - "PEDIVO" implemented by the Forest Research Institute. **Role in the project:** a) the identification of meadow vegetation types, both from aerial photographs and by obtaining field data, b) the recording of the plant species that make up the respective meadow vegetation types through the collection of field data, c) participation in the mapping of meadow types using geographic information systems, d) the systematic collection of field data, its processing and registration based on the experimental design in the examined areas per municipality, e) the carrying out of measurements of the morphological/physiological characteristics of plants to determine their productivity, and f) the digital processing of the data collected and the support for the writing of temporary grazing management plans.

5.2.10. October 2014 - December 2014: Research Associate in the European programme "FP7-SME-2011 REGEN-FOREST-286067" implemented by the Forest Research Institute. **Role in the Project:** plant ecology and specifically the recording of their morphological and physiological parameters on experimental surfaces, the study of the effect of lighting on the morphological parameters of plants and the statistical analysis of all data based on the experimental design.

5.2.11. March 2014 - August 2014 και August 2014 - September 2014: Research Associate in the European programme "LIFE09NAT/GR/000326/VERENIKE", implemented by the Forest Research Institute. **Role in the project:** measurements related to plant ecology from the experimental plots. Specifically, I carried out measurements of morphological parameters, dry weight of aboveground and underground plant biomass and measurements of physiological parameters. Then I was involved in the recording and statistical processing of all data based on the experimental design.

5.2.12. July 2010 – August 2010: Internship, Plant Protection Institute, NAGREF

5.3. Work Experience

5.3.1. February 2017 - April 2018: Agronomist, private-sector employee.

6. Publications

6.1. Master's Thesis

Platis, D.P., (2016). Energy balance and greenhouse gas emissions in tomato cultivation. Faculty of Agriculture, School of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki, pp. 53. Institutional Repository of Scientific Publications (IKEE) of AUTH. <https://doi.org/10.26262/heal.auth.ir.283809>

6.2. Doctoral Dissertation

Platis, D.P., (2022). Agro-silvopastoral Ecosystems - Energy Budgets and Greenhouse Gas Emissions. Faculty of Agriculture, School of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki, pp. 176. National Archive of PhD Theses. <http://dx.doi.org/10.12681/eadd/52750>

6.3. Articles in peer-reviewed international journals

- 6.3.1.** Ainalis A., Meliadis I., Tsiouvaras K., Ainali K., **Platis D.**, Platis P. (2015). Multitemporal Land Use Changes in a Region of Pindus Mountain, Central Greece, Agriculture, Forestry and Fisheries. Vol. 4, No. 1, 2015, pp. 18-23. <https://doi.org/10.11648/j.aff.20150401.14>
- 6.3.2.** **Platis, D.P.** Anagnostopoulos, C.D., Tsaboula, A.D., Menexes, G.C., Kalburtji, K.L., Mamolos, A.P. (2019). Energy analysis, and carbon and water footprint for environmentally friendly farming practices in agroecosystems and agroforestry. Sustainability, 11(6), 1664. <https://doi.org/10.3390/su11061664>
- 6.3.3.** Mazis, A., Litskas, V.D., **Platis, D.P.**, Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Kalburtji, K.L. (2021). Could energy equilibrium and greenhouse gas emissions in agroecosystems play a key role in crop replacement? A case study in orange and kiwi orchards. Environmental Science and Pollution Research, 28(23), 29421-29431. <https://doi.org/10.1007/s11356-021-12774-4>
- 6.3.4.** **Platis, D.P.**, Mamolos, A.P., Kalburtji, K.L., Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D. (2021). Analysis of energy and carbon and blue water footprints in agriculture: A case study of tomato cultivation systems. Euro-Mediterranean Journal for Environmental Integration, 6(1), 1-10. <https://doi.org/10.1007/s41207-020-00225-4>
- 6.3.5.** **Platis, D.P.**, Menexes, G.C., Kalburtji, K.L., Mamolos, A.P. (2023). Energy budget, carbon and water footprint in perennial agro and natural ecosystems inside a Natura 2000 site as provisioning and regulating ecosystem services. Environmental Science and Pollution Research, 30(1), 1288-1305. <https://doi.org/10.1007/s11356-022-22231-5>
- 6.3.6.** **Platis, D.P.**, Papoui, E., Bantis, F., Katsiotis, A., Koukounaras, A., Mamolos, A.P., Mattas, K. (2023). Underutilized Vegetable Crops in the Mediterranean Region: A Literature Review of Their Requirements and the Ecosystem Services Provided. Sustainability, 15(6), 4921. <https://doi.org/10.3390/su15064921>
- 6.3.7.** Avramidou, G., **Platis, D.P.**, Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Kalburtji, K.L., Mamolos, A.P. (2024). Evaluation and selection of aromatic plants based on agri-environmental indicators. Environment, Development and Sustainability, 1-17. <https://doi.org/10.1007/s10668-024-05524-2>
- 6.3.8.** Anagnostopoulos, C. D., **Platis, D.P.**, Siomos, A.S., Menexes, G.C., Kalburtji, K.L., Mamolos, A.P. (2025). Agri-environmental indicators regarding Broccoli cultivation: a case study in Pella, Greece. Environmental Development, 101243. <https://doi.org/10.1016/j.envdev.2025.101243>
- 6.3.9.** **Platis, D.P.**, Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Kalburtji, K.L., Mamolos,

A.P. (2025) Assessing Agricultural Sustainability: Analysis of Energy Use, Carbon and Water footprint to maintain Ecosystem Services in Larissa, Greece. *Energy Ecology and Environment*, 10, 607–622. <https://doi.org/10.1007/s40974-025-00374-8>

6.3.10. Platis, D.P. Anagnostopoulos, C.D., Mamolos, A.P. (2025) Comparing USDA Energy Content Values for Crops with Adiabatic Calorimetry Measurements, *Proceedings of the IX International Symposium on Seed, Transplant and Stand Establishment of Horticultural Crops and III International Symposium on Vegetable Grafting, Acta Horticulturae*, 1453, 151-154. <https://doi.org/10.17660/ActaHortic.2026.1453.21>

6.3.11. Katsika, G.K, Platis, D.P., Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Kalburtji, K.L., Mamolos, A.P. (2025) Investigating the sustainability of early and late peach orchards through energy balance and carbon and water footprint. *Environmental Sustainability*, 1-14. <https://doi.org/10.1007/s42398-026-00442-7>

6.4. Articles in peer-reviewed international conference proceedings

6.4.1. Platis, D.P., Mamolos, A.P., Kalburtji, K.L., Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Carbon and water footprint indices for environmental friendly farming practices in agroforestry". *164th EAAE Seminar Preserving Ecosystem Services via Sustainable Agro-food Chains*, Mediterranean Agronomic Institute, Chania 5-7 September 2018.

6.4.2. Litskas V.D., Menexes G.C., Kalburtji K.L., **Platis D.P.,** Mamolos A.P., Energy balance and greenhouse gas emissions in kiwi and citrus farms in Greece. *CLIMATICO 2019, Act on Climate in the Mediterranean. International conference, Climate Change in the Mediterranean: Agriculture, Food and Health Impacts and Challenges*, 11-12 April 2019, Limassol, Cyprus.

6.4.3. Platis, D.P., Mamolos, A.P., Kalburtji, K.L., Menexes, G.C., Anagnostopoulos, C.D., Tsaboula, A.D., Energy Analysis, Carbon and Water Footprint in agriculture: a study in tomato cultivations. *2nd International Conference, ADAPT to CLIMATE*, 24-25 June 2019, Heraklion, Crete island, Greece.

6.4.4. Avramidou, G., Platis, D., Anagnostopoulos, C., Kalburtji, K., Menexes, G., Mamolos, A., The use of energy analysis, carbon and water footprint in *Lavandula vera* L. and *Origanum vulgare* ssp. *hirtum* cultivations. *ISTA 19 The International Symposium on Toxicity Assessment (ISTA) conference*, 25-30 August, 2019, Thessaloniki, Greece.

6.4.5. Katsika G., Platis, D., Anagnostopoulos, C., Kalburtji, K., Menexes, G., Mamolos, A., Energy analysis, carbon and water footprint and sustainable agriculture - an application in peach production. *ISTA 19 The International Symposium on Toxicity Assessment (ISTA) conference*, 25-30 August, 2019, Thessaloniki, Greece.

6.4.6. Ravani M., Platis, D., Anagnostopoulos, C., Kalburtji, K., Menexes, G., Mamolos, A., Energy analysis and Carbon Footprint in *Oryza sativa* L. cultivation. *ISTA 19 The International Symposium on Toxicity Assessment (ISTA) conference*, 25-30 August, 2019, Thessaloniki, Greece.

6.4.7. Gkotzamani A., Bantis F., Papoui E., Platis D., Mamolos A., Koukounaras A., Hydroponic cultivation as a tool for the protection of biodiversity and sustainable development. *182nd EAAE Seminar Sustainability via Biodiverse Agri-food Value Chains*, Mediterranean Agronomic Institute, Chania 14-15 September 2022.

6.4.8. Platis, D., Bantis F., Papoui E., Koukounaras A., Mamolos A., Ecosystem services and dis-services related to endemic species cultivation in Crete". *182nd EAAE Seminar Sustainability via Biodiverse Agri-food Value Chains*, Mediterranean Agronomic Institute, 14-15 September 2022, Chania, Crete island, Greece.

6.4.9. Platis, D.P., Anagnostopoulos, C.D., Mamolos, A.P., Comparing USDA Energy Content Values for Crops with Adiabatic Calorimetry Measurements, IX International Symposium on Seed, Transplant and Stand Establishment of Horticultural Crops and III International Symposium on Vegetable Grafting, 2-6 June 2025, Thessaloniki, Greece.

6.5. Articles in peer-reviewed national conference proceedings

5.5.1. Platis, P., Meliadis, I., Ainalis, A., **Platis, D.,** Ainali, K., Tsiouvaras, K. (2011). Interannual changes of rangelands in the watershed of Migdonia, Region of Thessaloniki. In Proceedings of the 15th Panhellenic Forestry Conference, Multi-purpose forestry and climate change – Protection and utilization of natural resources, Hellenic Forestry Society, Karditsa, 16–19 October 2011.

5.5.2. Platis, D., Tsiouvaras, K., Ainalis, A., Parisi, Z. (2013). Multitemporal vegetation changes of a grazed open kermes oak shrubland in Lagadas county, Thessaloniki. Paper presented at the 16th Panhellenic Forestry Conference, Hellenic Forestry Society, Thessaloniki, 6–9 October 2013.

5.5.3. Platis, D., Kalbourtzi, K., Menexes, G., & Mamolos, A. (2018). The application of Energy Analysis and Carbon Water Footprint in agriculture. Presented at the 1st Panhellenic Student Conference of Agricultural Sciences, KEDEA, Aristotle University of Thessaloniki, 10–11 November 2018.

5.5.4. Ainali, A., Platis, D. (2019). Evaluation of rangelands in the Regional Unit of Xanthi. Presented at the 19th Panhellenic Forestry Conference, 29 September – 2 October 2019, Litochoro, Pieria.

5.5.5. Platis, P.D., Papachristou, Th.G., **Platis, D.P.,** Ainali, Aik.A., Mantzanas, K.T. (2022). Evaluation of Rangelands: Municipality of Amfilochia in the Aitoloakarnania Prefecture. 10th Panhellenic Rangeland Conference of the Hellenic Rangeland Society, Rangelands: An Underutilized Natural Resource and the Challenges of the New CAP (2021–27), 4–5 March 2022, Florina, Greece.

5.5.6. Platis, D.P., Ainali, A.A. (2025). Evaluation of Rangelands: Municipality of Xiromero in the Aitoloakarnania Prefecture. 12th Panhellenic Rangeland Conference of the Hellenic Rangeland Society, Climate Crisis and Rangeland–Livestock Development, 7–9 May 2025, Karditsa, Greece.

6.6. Book Chapters

6.6.1. Litskas, V.D., Platis, D.P., Anagnostopoulos, C. D., Tsiaboula, A.C., Menexes, G.C., Kalburtji, K. L., Stavriniades, M.C., Mamolos, A.P. (2020). Climate change and agriculture: Carbon footprint estimation for agricultural products and labeling for emissions mitigation. In *Sustainability of the Food System* (pp. 33-49). Academic Press. <https://doi.org/10.1016/B978-0-12-818293-2.00003-3>

6.6. Invited Speech

6.7.1. Platis, D., Mamolos, A., Energy, carbon and water footprint in agricultural and natural ecosystems: an application within the Natura 2000 network. Workshop: “Low environmental footprint agriculture: input management for carbon storage and biodiversity protection”, Ecwinery, 15 December 2021, Cyprus.

6.7.2. Platis, D., Climate change and agriculture: Ecosystem Services and Assessment Indicators. Webinar of the European Erasmus + programme “Carbonostrum - Climate Smart Agriculture in a Changing World”(2021-1-PT01-KA220-VET-000033188), 16 Ιουλίου 2024, Θεσσαλονίκη.

7. Continuing Education

7.1. September 2023: Seminar: "Life Cycle Assessment (LCA) based on ISO 14040/14044", Supplementary Distance Education Programme (E-Learning) of The Center of Continuing Education and Lifelong Learning of the National and Kapodistrian University of Athens

7.2. August 2018: Seminar: "Past" Climate Variability and Dendroclimatology", Department of Geography of the University of Giessen (Germany), DAAD program: "The Mediterranean Hot - Spot: Challenges and Responses in a Changing Climate".

7.3. October 2017: Seminar: "Introduction to climate methods" organized at the Department of Geography of the University of Giessen (Germany), DAAD program: "The Mediterranean Hot - Spot : Challenges and Responses in a Changing Climate".

7.4. March 2018: Certification user ArcGIS (Marathon Data Systems)

7.5. December 2013: Certification user electronics computers , ACTA (Aristotle Certification Training and Assessment)

8. Supervision of Theses

8.1. Thesis Dissertations

8.1.1. Prodromidou, P., (2025) Climate Mediterranean agroforestry systems and ecosystems services: a review. Faculty of Environmental Engineering, International Hellenic University

8.1.2. Stavrou A., Topalidis, A., (2025) Climate Change Impacts on Agroecosystems and Adaptation Strategies. Faculty of Environmental Engineering, International Hellenic University

9. Research Interests

Ecology, agricultural ecology

Sustainable management of agricultural resources

Agriculture and climate change

Environmental assessment of agricultural production

Agroforestry

10. Skills

Proficient user of the Qgis geographic information systems software

User of the SPSS statistical software

11. Foreign Languages

11.1. English: Certificate of Proficiency in English, University of Michigan, Level C2

12. Memberships

12.1. Geotechnical Chamber of Greece (ΓΕΩΤΕΕ) - Registry No.: 1-22070

12.2. Grade A Designer's Certificate (Categories 22,23,25,27) - Registry No.: 28807

12.3. Member of International Society for Horticultural Science