

Curriculum Vitae

Personal Details

Name:	Christodoulos
Surname:	Daoutis
Position:	Laboratory Teaching Staff
Academic Discipline:	Forest Road Constuction and Forest Cadastre
Adress:	193 Pantazidou str
City:	Orestiada
Postal Code:	68200
Contact Number:	(+30) 2552041147
Email:	cntaouti@fmenr.duth.gr
Google scholar:	https://scholar.google.gr/citations?user=UdsJjGEAAAAJ&hl=el&oi=ao
ResearchGate:	https://www.researchgate.net/profile/Christodoulos-Daoutis-2?ev=hdr_xprf

Education

Deegree

2014	Degree from the Department of Forestry and Management of the Environment and Natural Resources, Faculty of Agriculture and Forestry, Democritus University of Thrace
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Master's degrees

2016	Master's Degree in Sustainable Management of the Environment and Natural Resources, specialization in Environmental Policy and Integrated Rural Development, Department of Forestry and Management of the Environment and Natural Resources, Democritus University of Thrace.
2020	Master's Degree in Environmental Technologies, specialization in Environmental Law, Department of Environmental Engineering, Democritus University of Thrace.
2023	Master's Degree in Sustainable Management of Forest and Natural Ecosystems: Protection, Production and Utilization, specialization in Technical Works, Production and Utilization of Woody Biomass, School of Forestry and Natural Environment, Aristotle University of Thessaloniki.

Research Interests

Study and design of forest road networks and trail/hiking routes. Environmental impacts, accessibility for forest protection, and timber transport from forest road construction. Safety, accessibility, and impacts of human activity on trails.

Skills and Competencies

Foreign Languages

2021	English Proficiency – LanguageCert Level 3 Certificate in ESOL International (Listening & Reading) (LanguageCert Test of English C2) 603/5301/6
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Information Technology Skills

2004	ECDL Core Certificate (European Computer Driving Licence)
2013	ECDL AutoCAD Certificate (European Computer Driving Licence)

Additional Skills

2019	Certificate in Braille Literacy (Reading and Writing) – Hellenic Centre for Education & Rehabilitation of the Blind (K.E.A.T.)
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Teaching of courses as Laboratory Teaching Staff

ACADEMIC YEAR	LABORATORY AND APPLIED TEACHING DUTIES	
2022-2023	Winter Semester	• Technical Drawing - Geo-Informatics compulsory course (1st semester) • Forest Road Engineering – Digital Road Design compulsory course (5th semester)
	Spring Semester	• Digital Design of Forest Road Construction - Forest Engineering compulsory course (4th semester) • Soil Mechanics – Machinery Applications in Forest Works elective compulsory course (6th semester)
2023-2024	Winter Semester	• Technical Drawing - Geo-Informatics compulsory course (1st semester) • Informatics compulsory course (1st semester)
	Spring Semester	• Digital Design of Forest Road Construction - Forest Engineering compulsory course (4th semester) • Soil Mechanics – Machinery Applications in Forest Works elective compulsory course (6th semester)
2024-2025	Winter Semester	• Technical Drawing - Geo-Informatics compulsory course (1st semester) • Informatics compulsory course (1st semester)
	Spring Semester	• Digital Design of Forest Road Construction - Forest Engineering compulsory course (4th semester) • Soil Mechanics – Machinery Applications in Forest Works elective compulsory course (6th semester)
2025-2026	Winter Semester	• Technical Drawing - Geo-Informatics compulsory course (1st semester) • Informatics compulsory course (1st semester)
	Spring Semester	• Digital Design of Forest Road Construction - Forest Engineering compulsory course (4th semester)

Published Research Work

1. Journal Articles (peer-reviewed)

- 1.1. Liampas, S. A., Stamatiou, C., Farmakis, D., **Daoutis, C.**, Tasionas, G., & Drosos, V. (2018). Rehabilitation of Semi-mountainous Forest Area Using Bioclimatic Forest Constructions in Greece. Journal of Environmental Science and Engineering A, 82. <https://doi.org/10.17265/2162-5298/2018.02.004>
- 1.2. Liampas, S. A., Stamatiou, C., Farmakis, D., Tasionas, G., **Daoutis, C.**, & Drosos, V. (2018). Design and Construction of a Forest Village in Greece. Journal of Environmental Science and Engineering B, 47. <https://doi.org/10.17265/2162-5263/2018.02.002>

- 1.3. Eftaxias, A., Passa, E. A., Michailidis, C., **Daoutis, C.**, Kantartzis, A., & Diamantis, V. (2022). Residual forest biomass in pinus stands: accumulation and biogas production potential. *Energies*, 15(14), 5233. <https://doi.org/10.3390/en15145233>
- 1.4. 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*, 11(9), 1585. <https://doi.org/10.3390/land11091585>
- 1.5. Kantartzis, A., Marnasidis, S., **Daoutis, C.**, Moulogianni, C., Tampekis, S., & Arabatzis, G. (2023). The contribution of the forest road network to the spatial organisation of nomadic beekeeping. *International Journal of Sustainable Agricultural Management and Informatics*, 9(1), 41-55. <https://doi.org/10.1504/IJSAMI.2023.127537>
- 1.6. **Daoutis, C.**, Kantartzis, A., & Doulgeris, S. (2023). Utilization of legislation for the removal of dry pine needles from stands on both sides of forest roads to prevent fire. *Themes in Forestry and Management of the Environment and Natural Resources*, 15, 216–223 [in Greek]. (https://fmenr.duth.gr/wp-content/uploads/2024/01/tomos_15_29_01_2024.pdf)
- 1.7. **Daoutis, C.**, Kantartzis, A., & Diamantis, V., (2023). Exploitation of biomass from firebreak clearing for biogas production. *Themes in Forestry and Management of the Environment and Natural Resources*, 15, 224–232 [in Greek]. (https://fmenr.duth.gr/wp-content/uploads/2024/01/tomos_15_29_01_2024.pdf)

2. Book Chapters (peer-reviewed)

- 2.1. Lempesi, A., **Daoutis, C.**, & Dimitrakopoulos, P. (2026). Effects of Wind Farms Through the Forest Road Network on Grasslands in Greece. In: P. Dimitrakopoulos, D. Salampasis, I. Makris, & S. Apostolopoulos (Eds.), *Economic, Social, and Environmental Insights on Energy Transition* (pp. 189-214). IGI Global Scientific Publishing. <https://doi.org/10.4018/979-8-3373-5302-9.ch007>

3. Conference Proceedings Papers (peer-reviewed)

- 3.1. Drosos, V. C., Giannoulas, V. J., & **Daoutis, C.** (2014). Forest construction infrastructures for the prevision, suppression, and protection before and after forest fires. In: Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014), 12 August 2014, Paphos, Cyprus, 9229, 391-399, 2014 Society of Photo-Optical Instrumentation Engineers (SPIE). <https://doi.org/10.1117/12.2069663>
- 3.2. Drosos, V. C., Siafali, E., **Daoutis, C.**, & Kasapidis, I. (2020, August). Timeless land use changes in semi mountainous adjacent area to Athens. In: Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), 26 August 2020, Paphos, Cyprus, 11524, 387-406, 2020 Society of Photo-Optical Instrumentation Engineers (SPIE). <https://doi.org/10.1117/12.2571704>
- 3.3. Kantartzis, A., **Daoutis, C.**, Eftaxias, A., Arabatzis, G., & Diamantis, V. (2021). Biomass residues adjacent forest roads in two different forest species (*Fagus sylvatica* and *Pinus brutia*): quantities and evaluation of their biogas production potential. In: IOP Conference Series: Earth and Environmental Science, 23-24 October 2021, Athens, Greece, 899, 1, 012030, IOP Publishing. <https://doi.org/10.1088/1755-1315/899/1/012030>

- 3.4. Diamantis, V., Eftaxias, A., **Daoutis, C.**, Michailidis, C., & Kantartzis, A. (2021): Valorisation of forest biomass as novel substrate for biogas production and the prevention of wild fires. In: 29th European Biomass Conference and Exhibition (EUBCE 2021), 26-29 April 2021, online, France, 596-599, EB Publishing.
- 3.5. **Daoutis, C.**, Kantartzis, A., Tampekis, S., Stergiadou, A., & Arabatzis, G. (2022). The Application of SWOT-AHP Analysis in the Design and Construction of Forest Road Network. In *HAICTA* (pp. 209-216).
- 3.6. **Daoutis, C.**, Kantartzis, A., Stathi, A., & Arabatzis, G. (2022). The contribution of footpaths to the protection and utilization of the natural environment by using the VIKOR method for their ranking. In: IOP Conference Series: Earth and Environmental Science, 22-23 October 2022, Athens, Greece, 1123,1, 012007, IOP Publishing. <https://doi.org/10.1088/1755-1315/1123/1/012007>
- 3.7. **Daoutis, C.**, Kantartzis, A., Tsiantikoudis, S., Vavatsikos, A. P., & Arabatzis, G. (2023). Hierarchy of Hiking Trails using the Analytic Hierarchy Process (AHP) to highlight the natural environment. In: E3S Web of Conferences, 4th International Conference on Environmental Design (ICED2023), 20-22 October 2023, Athens, Greece, 436, 09005, EDP Sciences. <https://doi.org/10.1051/e3sconf/202343609005>
- 3.8. **Daoutis, C.**, & Lempesi, A. (2023). The effect of the forest road network on grassland ecosystems with the contribution of the SWOT-AHP method. In: E3S Web of Conferences, 4th International Conference on Environmental Design (ICED2023), 20-22 October 2023, Athens, Greece, 436, 09007, EDP Sciences, <https://doi.org/10.1051/e3sconf/202343609007>
- 3.9. Lempesi, A. & Daoutis, C. (2023). The contribution of trails to the highlighting of rangeland ecosystems: The case of the Municipality of Orestiada. In: Proceedings of the 5th Panhellenic Conference on History and Culture of Orestiada. Orestiada: "Orestiada: Past, Present, Future", Nea Orestiada, 12–14 May 2023, pp. 505–513, School of Agricultural and Forestry Sciences, Democritus University of Thrace & Municipality of Orestiada [in Greek]. <https://fmenr.duth.gr/wp-content/uploads/2023/11/%CE%A0%CE%A1%CE%91%CE%9A%CE%A4%CE%99%CE%9A%CE%91-5%CE%BF%CF%85-%CE%A0%CE%B1%CE%BD%CE%B5%CE%BB%CE%BB%CE%B7%CE%BD%CE%AF%CE%BF%CF%85-%CE%A3%CF%85%CE%BD%CE%B5%CE%B4%CF%81%CE%AF%CE%BF%CF%85-%CE%99%CF%83%CF%84%CE%BF%CF%81%CE%AF%CE%B1%CF%82-%CE%9F%CF%81%CE%B5%CF%83%CF%84%CE%B9%CE%AC%CE%B4%CE%B1.pdf>
- 3.10. Lempesi, A., & **Daoutis, C.** (2024). The effect of trail paths in grassland ecosystems using a SWOT-AHP Hybrid method. In: Proceedings of 24th International Multidisciplinary Scientific GeoConference SGEM 2024, 29th June 2024 to 8th July 2024, Albena, Bulgaria, STEF92 Technology, <https://doi.org/10.5593/sgem2024/3.1/s14.49>
- 3.11. Lempesi, A., & **Daoutis, C.** (2025). SUSTAINABLE AND RATIONAL UTILIZATION OF UNUSED RAILWAY LINES. In: Proceedings of 25th International Multidisciplinary Scientific GeoConference SGEM 2025, 29th June 2025 to 6th July 2025, Albena, Bulgaria, STEF92 Technology, 5(1), 243-251. <https://doi.org/10.5593/sgem2025/5.1/s19.029>

4. Conference Presentations

- 4.1. Diamantis, V., Eftaxias, A., **Daoutis, C.**, Kantartzis, A., & Arabatzis, G. (2021). Renewable biogas energy production from forest biomass accumulated adjacent to forest roads. In: 6th Conference, Economics of Natural Resources and the Environment (6th ENVECOM), 11-12 June 2021, online, University of Thessaly, Volos, Greece, 47. (chrome-extension://efaidnbmnnnibpcajpcgiclfendmkaj/http://envecon.econ.uth.gr/main/eng/images/6th_conference/6th_Conference_Proceedings.pdf)
- 4.2. **Daoutis, C.**, Eftaxias, A., Khan, A. A., & Diamantis, V. (2021). Production of forest residues from fire safety zones (FSZ) and their potential for biogas production. In: 8th International Conference on Sustainable Solid Waste Management, 23-25 June 2021, Thessaloniki, Greece.
- 4.3. **Daoutis, C.**, Kantartzis, A., Tsilikas, S., & Arabatzis, G. (2022). The contribution of Analytic Hierarchy Process (AHP) to the ranking of trails. In: 8th World Trails Conference, 26-30 September 2022, Skiathos, Greece.

ADDITIONAL INFORMATION

Professional Experience

01 August 2018 - 30 November 2019	Contracted Staff at the Thassos Forest Service
Winter semester 2019-2020	Teaching assistant duties for laboratory and tutorial courses, as well as examination activities, within the course "Forest Structures – Engineering Mechanics" (3rd semester)
Winter semester 2019-2020	Instructor at the Public IEK of Alexandroupolis, specialty: Forest Protection Technician, teaching the course "Biology – Ecology of Wild Animals and Birds
Winter and Spring semester 2019-2020	Instructor at the Public IEK of Didymoteicho, specialty: Forest Protection Technician, teaching the courses: Winter semester – Practical Application in the Specialty; Spring semester – Practical Application in the Specialty and Forest Law Enforcement.
05 August 2020 – 31 January 2021	Project Contract (Contract Code: 55433): "Development of an Early Warning System for Wildfires in Historic Centres and Old Towns adjacent to peri-urban green areas", including the preparation of the project deliverables "Report on the Identification of Areas of Interest in Eastern Macedonia and Thrace and Region of Central Macedonia " and "Inventory of Forest Residues in the Peri-urban Forest of the Old Town of Xanthi".
Winter semester 2020-2021	Teaching assistant duties supporting faculty members in undergraduate education, including student training, laboratory exercises, library-based assignments, and general support of the 3rd semester course "Forest Structures – Engineering Mechanics".