

Curriculum Vitae
Apostolos Kantartzis
Associate Professor

CONTACT INFORMATION

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RESEARCH INTERESTS: Low-Volume Roads Engineering, Geoinformatics and Forest operations engineering, Spatial Data Mapping and GIS, Urban Green Infrastructure

Dr. Apostolos Kantartzis is Associate Professor at the Department of Forestry & Management of the Environment & Natural Resources, Democritus University of Thrace, Greece, He teaches among others the following courses: Building Science and Structural Materials, Digital Design of Forest Road Construction - Forest Engineering, Soil Mechanics – Machinery Applications in Forest Works, Technical Drawing - Geo-Informatics.

Dr Kantartzis is working in the field of Geoinformatics and Forest operations engineering with main research interests in low-volume roads (LVRs), spanning in the full range of transportation forest engineering— planning, route investigation, geometric design, construction, road maintenance, costs and safety, reducing vulnerability of roads to natural disasters and so forth in addition his research is also concentrated on drainage control of low-volume roads, restoration and improvement, drainage and structures, maintenance operations, and finance. However, part of his recent work also looks into elements of Urban Green Infrastructure

He holds a PhD in Forest Cadastre Studies & Forest Road Construction.

He has published papers in international refereed journals, such as: «Land», «International Journal of Sustainable Agricultural Management and Informatics», «Forestry», «Euro-Mediterranean Journal for Environmental Integration», «International Journal of Engineering Research and Development», Energies etc.

SELECTED RELEVANT PUBLICATIONS IN REFEREED INTERNATIONAL JOURNALS

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, 2023, 9(1), pp. 41–55. DOI: 10.1504/IJSAMI.2023.127537. (Science Citation Index, Impact Factor =1.2).

Kantartzis, A., (2023) «Implementation of multi-criteria evaluation for mapping the spatial variability of optimal forest road network» International Journal of Sustainable Agricultural Management and Informatics 9(3):275-293 Follow journal DOI: 10.1504/IJSAMI.2023.131908. (.Science Citation Index, Impact Factor =1.2)

Tsiotas, D., Kantartzis, A., Kolkos, G., Lemonakis, P., Arabatzis, G. (2023) «A modularity total environment network model for sustainable forest transportation» Euro-Mediterranean Journal for Environmental Integration, 2023. DOI:10.1007/s41207-023-00410-1. (Science Citation Index, Impact Factor =2).

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(9), 1585. DOI: 10.3390/land11091585. (Science Citation Index, Impact Factor =3.905)

Eftaxias, A., Passa, E.A., Michailidis, C., Dautis, C., Kantartzis, A., Diamantis, V. (2022) «Residual Forest Biomass in Pinus Stands: Accumulation and Biogas Production Potential». Energies, 2022, 15(14), 5233. <https://doi.org/10.3390/en15145233>. (Science Citation Index, Impact Factor =3.252)

Kantartzis, A., Malesios, C. (2018). «A decision support system web-application for the management of forest road network». Journal of Environmental Science and Engineering A 7 (1), 8-21

Panagopoulos, T, Tampakis, S, Karanikola, P, A Karipidou-Kanari, A, Kantartzis, A, (2018). «**The Usage and Perception of Pedestrian and Cycling Streets on Residents' Well-being in Kalamaria, Greece**» .Land 7 (100)

Kantartzis, A, (2018). «A visualization tool for forest landscape using open software».

International Journal of Engineering Research and Development 14 (07), 23-40

PARTICIPATION IN RESEARCH PROGRAMS

1) Scientific manager of the project "Study of the specifications for the spatial distribution and the placement of honeysuckles, in relation to their impact on the environment and agricultural production" of Action 6. 1 of the Ministry of Rural Development and Food "Applied Research" of Beekeeping in the framework of the program for improving the production and marketing of beekeeping products for the years 2020-2022.

2) Scientific manager of the project "Design and implementation of the pilot project "Beekeeping Park in the area "Kotronia" of the National Park Forest of Dadia - Lefkimi - Soufli" in the framework of the program for improving the production and marketing of beekeeping products for the year 2022.

3) Scientific manager of the project entitled «Design of a Model Beehive Garden in the area "Agios Georgios Georgios» of the Municipal Community of Istria in northern Evia" KE 83039 from 22/02/2023 to 30/04/2023. Subject: Mapping and spatial analysis of the project, design of a network of hiking trails and paths.

Funding body: Captain Vassilis and Carmen Konstantakopoulou Foundation

4) Scientific manager of the project entitled «Research on the delineation, marking and promotion of hiking - mountaineering trails in the wider area of Paiko» KE 83077 from 10/05/2023 to 09/12/2023. Subject: Preparation of a feasibility study and an economic and technical study, organisation and mapping of hiking routes and trails.