

Curriculum Vitae
Apostolos Kantartzis
Assistant 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 Assistant 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: 'Business Strategy and the Environment', 'Transboundary and Emerging Diseases', 'Land, Forestry', 'International Journal of Engineering Research and Development', MDPI Energies etc.

SELECTED RELEVANT PUBLICATIONS IN REFEREED INTERNATIONAL JOURNALS

Malesios, C, Chatzipanagiotou, M, Demiris, N, Kantartzis, A, (2020). A quantitative analysis of the spatial and temporal evolution patterns of the bluetongue virus outbreak in the island of Lesbos, Greece, in 2014. *Transboundary and Emerging Diseases*; 00: 1–13. <https://doi.org/10.1111/tbed.13553>

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

Drosos, V, Kantartzis, A, Giannopoulos, R, (2011). High technology in forest engineer works. *Forestry* 17 (2), 42

PARTICIPATION IN RESEARCH PROGRAMS

1) Participation as a researcher in the THALES research program entitled "Protection System for Sustainable Development of Upland Forest Areas", National Strategic Reference Framework (NSRF) 2007-13.

2) Participation as a researcher in the project entitled: "INVESTIGATION OF THE EXISTENCE OF THE ACCRETION OF THE MARION DAM TO THE THASSOS AND ASSESSMENT OF THE WATER POTENTIAL OF THE AREA IN QUESTION FROM THE OPERATION OF THE TESSETERIA NATURAL STONE QUARRY AT THE SITE OF PSITAKI, COVERING AN AREA OF 95.808 M²" and project code: 82699.

3) Participation as a researcher in the project "DEVELOPMENT OF A FIRE WARNING SYSTEM IN HISTORICAL CENTRES AND OLD CITIES IN CONTACT WITH THE POPULAR GREEN" Project Code: 82517.

4) Participation as a researcher in the LIFE project entitled "COMBATING THE INVADIBLE SPECIES THREAT IN NORTHERN GREECE, THROUGH THE DEVELOPMENT OF EARLY WARNING AND INFORMATION SYSTEMS FOR VEGETABLES" / LIFE ATIAS.

5) 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.

6) 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.

Works

1) I participated as a leader in the study group for the project "Compilation of a traffic study of Orestiada". The duration of the study was 30 days and included installation of traffic load counting equipment, load counting in rotary loads, conducting "origin - destination" surveys.

2) I participated as a leader in the Transportation Research Along the Road (ΕΜΠΟ) in the framework of the project "THESSALONIKI METRO DEVELOPMENT STUDY" (MAM-TH), which was implemented on behalf of Attiko Metro SA, by the company "THE ROAD" .

In the above research, which concerned the conduct of interviews in selected Research Stations, as well as in the performance of Traffic Composition Measurements, I worked and had under my supervision 30 employees and a total of 80,000 questionnaires were collected over a period of 2 months.

3) I participated as a leader to provide the services in carrying out traffic measurements (Roadside Survey – Analysis and Evaluation of Questionnaires) in the framework of the project "TRAFFIC SURVEY AND TRAFFIC MEASUREMENTS PERIOD 2021-2022 of the Aegean Motorway"