

CURRICULUM VITAE

RAPTIS I. DIMITRIOS

**Assistant Professor
International Hellenic University**

2022

1. PERSONAL INFORMATION

Office address: International Hellenic University (IHU)
Department of Forestry & Natural Environment at Drama
1st km Drama-Mikrochori
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GREECE

Occupational field: Assistant Professor
Specialization: Forest Management and Forest Inventories

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Nationality: Greek
Gender: Male
Marital Status: Married, 1 daughter
Date of birth: 17.08.1978

2. ACADEMIC EDUCATION

1996 - 2003 B.Sc. in Forestry, Aristotle University of Thessaloniki,
Department of Forestry & Natural Environment, Thessaloniki,
Greece

2003 - 2005 M.Sc. course in Forest Fire Modelling, Department of Forestry & Natural
Environment, Aristotle University of Thessaloniki, Greece.

2006 - 2011 Ph.D in Forest Resource Management & Silviculture, Department of
Forestry & Natural Environment, Aristotle University of Thessaloniki,
Greece.

2014 – 2015 Postdoctoral Fellowship, Aristotle University Research Committee,
Thessaloniki, Greece.

3. SCHOLARSHIPS-DISTINCTIONS

- Scholarship from the Research Committee Aristotle University of Thessaloniki for post-doctoral studies, 2014-2015.

4. PROFESSIONAL ACTIVITY

4.1 Work experience

1. **Assistant Professor** of Forest Management & Biometrics, International Hellenic University, Department of Forest & Natural Environment Sciences at Drama, Greece since 2019.
2. **Assistant Professor** of Forest Management & Biometrics, Eastern Macedonia & Thrace Institute of Technology, Department of Forestry & Natural Environment Management from 2018 until 2019.

3. **Assistant Professor (on contract)**, Forest management, Silviculture and Biometrics, Eastern Macedonia & Thrace Institute of Technology, Department of Forestry & Natural Environment Management from 2014 until 2018.
4. **National project coordinator / researcher**, National Agricultural Research Foundation (NAGREF - ELGO DEMETER), from 2015 until 2016.
5. **Researcher**, EU and National funded projects, Aristotle University of Thessaloniki, Eastern Macedonia & Thrace Institute of Technology, from 2005 until 2018.
6. **Forester (on contract)**, Forest Service, Larisa, central Greece, from 2008 until 2009.

4.2 Teaching experience

1. **Assistant Professor, International Hellenic University**, Department of Forest & Natural Environment Sciences from 2019 to date. Teaching of the following modules:
 - Forest Resource Planning and Management I
 - Forest Resource Planning and Management II
 - Forest and Environmental Statistics
 - Forest Biometrics
 - Harvesting of Forest Products
2. **Assistant Professor, Eastern Macedonia & Thrace Institute of Technology**, Department of Forestry & Natural Environment Management from 2018 until 2019). Teaching of the following modules:
 - Forest Management I
 - Forest Management II
 - Forest Biometrics I
 - Forest Biometrics II
3. **Associate Professor (in contract), Eastern Macedonia & Thrace Institute of Technology** Department of Forestry at Drama from 2014 until 2018. Teaching of the following modules:
 - Forest Management I
 - Forest Management I
 - Forest Management II
 - Forest Biometrics I
 - Forest Biometrics II
 - Applied Silviculture
 - Forest Policy

Teaching support material for undergraduate courses

1. Stand Visualization System (SVS) Notes, Department of Forestry at Drama, Kavala Institute of Technology (in Greek).

5. PARTICIPATION IN INTERNATIONAL COMPETITIVE RESEARCH/PILOT PROJECTS

1. **MULTITRACES: Multidisciplinary training in circular economy and smart valorisation of the rural area for new business models- Contract no: ERASMUS Plus-KA203-063870 (in progress)**

Coordinating Agencies: University of Bacau (European coordination-Romania), Politecnico di Torino (Italy), International Hellenic University (Greece), University of Alicante (Spain), Romagria SRL (Romania), AGRINDUSTRIA TECCO S.R.L. (Italy), ALFAWOOD NEVROKOPI AEBE (Greece), Comunidad de Regantes de Pliego (Spain)

Funding agency: ERASMUS Plus

Role in the project: Main Partner (International Hellenic University)/Researcher

Duration: 1/9/2019- 31/8/2022

Total Budget: 328,536 Euros

2. INFORM: Building a structured, indicator based knowledge system for sustainable forest policy and management- Contract no: LIFE08/ENV/GR/000574

Coordinating Agency: Eastern Macedonia & Thrace Institute of Technology, Department of Forestry & Natural Environment Management at Drama

Funding agencies: EU-DG Environment-LIFE, Hellenic Ministry of Environment, Energy and Climate Change (MEECC)

Role in the project: Researcher

Duration: 1/1/2010- 30/4/2015

Total Budget: 1,139,495 Euros

3. FIRE PARADOX: Combating fire with fire – New methods for preventing and fighting forest fires.

Coordinating Agencies: Instituto superior de Agronomia - OMIKRON environmental engineering and Technical works design study, Management - LTD.

Funding agencies: FP6 - SUSTDEV – Sustainable Development, Global Change and Ecosystems: thematic priority 6 under the Focusing and Integrating Community Research programme 2002 – 2006.

Role in the project: Researcher

Duration: 1/3/2006- 28/2/2010

Total Budget: 15,646,736 Euros

4. REACTION: Restoration actions to combat desertification in the northern Mediterranean.

Coordinating Agency: Aristotle University of Thessaloniki.

Funding agencies: European Commission – Research Directorate General – General Secretariat for Research and Technology.

Role in the project: Researcher

Duration: 1/1/2003 - 31/12/2005

Total Budget: 603,736 Euros

6. COORDINATION OF NATIONAL COMPETITIVE RESEARCH/ PILOT PROJECTS

1. AGROETAK: Development of a protection – based management system for mountainous ecosystems in a multipurpose forest management framework

Coordinating Agencies: National Agricultural Research Foundation (NAGREF-ELGO)

Funding Agencies: European Commission's 7th Framework Programme (FP7/2007-2013)

Role in the project: Project Coordinator/ Action Leader/ Researcher

Duration: 2/2/2015 - 30/11/2015

Total Budget: 9,000,000 Euros

7. PARTICIPATION IN NATIONAL COMPETITIVE RESEARCH/PILOT PROJECTS

1. A governance network for the bioclimatic-environmental upgrading of the city of Drama (in progress)

Coordinating Agency: International Hellenic University, Department of Forestry & Natural Environment

Funding Agency: NSRF Eastern Macedonia & Thrace 2014-2020

Role in the project: Researcher

Duration: 3/2018 - 3/2021

Budget: 62,000 Euros

2. Promoting the environmental, social and economic role of the Municipal (National) Stadium -Hospital periurban forest and the southern area of St. Barbara-Kallifitos stream of the city of Drama

Coordinating Agency: Eastern Macedonia & Thrace Institute of Technology, Department of Forestry & Natural Environment Management at Drama

Funding Agency: NSRF Eastern Macedonia & Thrace 2007-2013

Role in the project: Researcher

Duration: 2014 - 2015

Budget: 40,000 Euros

3. Improvement of the field sampling process for wood volume assessment in the policy planning context for revision of the forest management plan standards

Coordinating Agency: Eastern Macedonia & Thrace Institute of Technology, Department of Forestry & Natural Environment Management at Drama

Funding Agency: Green Fund-Ministry of Environment, Energy & Climate Change

Role in the project: Researcher

Duration: 2014 - 2016

Budget: 78,609 Euros

4. Construction of an ecotourism network for the development and the environmental training in the wider Olympus area in the municipality of Elassona

Coordinating Agency: Aristotle University of Thessaloniki

Funding Agency: Municipality of Elassona

Role in the project: Researcher

Duration: 02/2012 - 12/2012

Budget: 30,000 Euros

5. Restoration and fuel treatment actions for the protection against wildfires and the aesthetic improvement of the Thines forest in the municipality of Vartholomio

Coordinating Agency: Aristotle University of Thessaloniki

Funding Agency: Municipality of Vartholomio

Role in the project: Researcher

Duration: 12/2009 - 09/2010

6. Monitoring Programm of environmental data in Strofyliya - Kotychi National Park

Coordinating Agency: Aristotle University of Thessaloniki

Funding Agency: Strofyliya - Kotychi National Park Management Agency

Role in the project: Researcher

Duration: 07/2008 - 09/2008

7. Promoting the “Panta Vrechi” canyon

Coordinating Agency: Aristotle University of Thessaloniki

Funding Agency: Prefecture of Evritania

Role in the project: Researcher

Duration: 01/2006 - 12/2007

8. PARTICIPATION IN INTERNATIONAL CONFERENCES/ PROJECT MEETINGS/ WORKSHOPS

1. EFIMED WEEK 2014 & INFORM-LIFE CONFERENCE, 5-7 November 2014, Kavala, Greece. European Forest Institute and EMaTTech. Chair of the organizing committee and member of the scientific committee. Oral presentation.
2. International Conference on Frontiers in Environmental and Water Management, 19-21 March 2015, Eastern Macedonia & Thrace Institute of Technology, Kavala. Member of the conference scientific committee. Oral presentation.

3. 6th International Symposium & 28th National Conference on Operational Research—OR in the digital era- ICT Challenges, University of Macedonia, Thessaloniki, Greece, June 8-10, 2017. Oral presentation.
4. OPROTEH/CISA/CIER 2019, University of Bacau International Conferences, Bacau, Romania 22-24 May 2019. Oral presentation (Keynote Speaker).
5. 16th Conference of the International Federation of Classification Societies- Data analysis and Rationality in a Complex World, IFCs, Aristotle University of Thessaloniki and the Greek Society of Data Analysis, 26-29 August 2019. Oral presentation.
6. MULTITRACES kick-off meeting, 15-17 January 2020, Bacau, Romania.

9. PARTICIPATION IN NATIONAL CONFERENCES/ WORKSHOPS

1. 14th Pan-hellenic Conference of the Greek Forestry Society, «Ecological and Socio-economical restoration of fire affected areas», 1-4 November 2009, Patra. Oral presentation.
2. 15th Pan-hellenic Conference of the Greek Forestry Society, «Multipurpose forestry and climatic change – Protection and utilization of natural resources », 16-19 October 2011, Karditsa. Oral presentation.
3. 16th Pan-hellenic Conference of the Greek Forestry Society, «Protection & Management of Greek forests during the economic crisis and the challenge of natural forestry», 6-9 October 2013, Thessaloniki. Oral presentation.
4. Dissemination conference on “Promotion of the environmental, social and economic role of the Municipal (National) Stadium -Hospital periurban forest and the southern area of St. Barbara-Kallifitos stream of the city of Drama”, EMaTTech and Municipality of Drama, Operational Programme of Macedonia & Thrace 2007-2013, 3 December 2015, Drama. Chair of the organizing committee, oral presentation.
5. 17th Pan-hellenic Conference of the Greek Forestry Society, «The contribution of the modern Forestry and the Protected areas in the Sustainable development», 4-7 October 2015, Argostoli. Oral presentation.
6. 18th Pan-hellenic Conference of the Greek Forestry Society, «100 years of Forestry (1917-2017) - Important challenges for the Greek Forestry», 8-11 October 2017, Edessa. Oral presentation.
7. 1st Meeting of the Governance Network for the bioclimatic & environmental upgrading of the green infrastructure plan of the City of Drama, 12 December 2019, Drama. Chair of the Organizing Committee, oral presentation.

10. PUBLICATIONS

A. Doctoral dissertation

Raptis I. Dimitrios (2011). Defining the features of natural black pine stands in the southeast Mt. Olympus under the frame of multi-purpose silviculture. Ph. D. thesis, Department of Forestry and Natural Environment, Aristotle University of Thessaloniki, Thessaloniki. pp 192.

B. Papers in international and national peer-reviewed journals

1. Dimitrakopoulos, A.P., Mitsopoulos, I.D. and **Raptis, D.I.** (2007). Nomographs for predicting crown fire initiation in Aleppo pine (*Pinus halepensis* Mill.) forests. *European Journal of Forest Research* 126:555-561.
2. Zagas, T.D., **Raptis, D.I.** and Zagas, D.T. (2011). Identifying and mapping the protective forests of southeast Mt. Olympus as a tool for sustainable ecological and silvicultural planning, in a multi-purpose forest management framework. *Ecological Engineering* 37:286-293.
3. Zagas, T.D., **Raptis, D.I.**, Zagas, D.T. and Karamanolis. (2013). Planning and assessing the effectiveness of traditional silvicultural treatments for mitigating wildfire hazard in pine woodlands of Greece. *Natural Hazards* 65:545-561.
4. Tsitsoni, T., **Raptis, D.**, Zagas, D. and Zagas Th. (2014). Evaluating the effects of simulated silvicultural treatments and management on wildfire severity in *Pinus halepensis* Mill. even-aged stands. *Current Environmental Engineering* 1(2):136-147.
5. Kazana, V., Tsourgiannis, L., Iakovoglou, V., Stamatiou, C., Alexandrov, A., Araújo, S., Bogdan, S., Božič, G., Brus R., Bossinger, G., Boutsimea, A., Čelepirović, N., Cvrčková, H., Fladung, M., Ivanković, M., Kazaklis, A., Koutsona, P., Luthar, Z., Máchová, P., Malá, J., Mara, K., Mataruga, M., Moravcikova, J., Paffetti, D., Paiva, J. A.P. , **Raptis, D.**, Sanchez, C., Sharry, S., Salaj, T., Šijačić-Nikolić, M., Tel-Zur, N., Tsvetkov, I., Vettori, C., Vidal, N. (2015). Public knowledge and perceptions of safety issues towards the use of genetically modified forest trees: A cross-country pilot survey, *iForest - Biogeosciences and Forestry* 9(2):344-353.
6. **Raptis, D.**, Kazana, V., Kazaklis, A. and Stamatiou, C. (2018). A crown width-diameter model for natural even-aged black pine forest management. *Forests* 9(10): 610.
7. Kaltsas, D., Dede, K., Giannaka, J., Nasopoulou, Th., Kechagioglou, St., Grigoriadou, E., **Raptis, D.**, Damos, P., Vasiliadis, I., Christopoulos, V., Loukaki, E., Franses, R., Vlachaki, D. and Avtzis, D. (2018). Taxonomic and functional diversity of butterflies along an altitudinal gradient in two NATURA 2000 sites in Greece. *Insect Conservation and Diversity* 11(5): 464-478.
8. Samara, Th., **Raptis, D.** and Spanos, I. (2018). Fuel Treatments and Potential Fire Behavior in Peri-Urban Forests in Northern Greece. *Environments* 5 (7): 79.
9. Kalfas, D.G., Zagkas, D.T., **Raptis, D.I.** and Zagkas, T.D. (2019). The multifunctionality of the natural environment through the basic ecosystem services in the Florina region, Greece. *International Journal of Sustainable Development and World Ecology* 26:57-68.
10. Zagkas, D., **Raptis, D.** and Zagkas, Th. (2019). Development and evaluation of a height-diameter model of Bulgarian fir at university forest of Pertouli for forest management and silvicultural applications. *Geotechnical Scientific Issues* 28:36-47. (In Greek with English summary).
11. Kazana, V., Kazaklis, A., **Raptis, D.** and Stamatiou, C. (2020). A combined multi-criteria approach to assess forest management sustainability: an application to the forests of Eastern Macedonia & Thrace Region in Greece. *Annals of Operations Research* 294:321 - 343.
12. **Raptis, D.**, Kazana, V., Kazaklis, A. and Stamatiou, C. (2020). Development of a linear mixed effect crown width model for Black pine (*Pinus nigra* Arn.) even aged natural forest stands in Pindos National Park. *Geotechnical Scientific Issues* 29:4-13. (In Greek with English summary).
13. **Dimitrios Raptis**, Vassiliki Kazana, Angelos Kazaklis and Christos Stamatiou. (2020). Development and testing of volume models for *Pinus nigra* Arn., *Fagus sylvatica* L., and *Quercus pubescens* Willd. *Southern Forests: A journal of Forest Science* 82(4):331-341.
14. **Dimitrios Raptis**, Vassiliki Kazana, Angelos Kazaklis and Christos Stamatiou. (2021). Mixed-effects height-diameter models for black pine (*Pinus nigra* Arn.) forest management. *Trees* 35:1167-1183.
15. **Raptis, D.**, Kazana, V., Kazaklis, A. and Stamatiou, C. (2021). Height Allometry of *Pinus nigra* Arn. in Troodos National Forest Park, Cyprus. *Sustainability* 13(11): 5998.

16. **Raptis, D.**, Kazana, V., Stamatiou, C., Kazaklis, A. and Tsiaras, S. (2021). Creating a spatial knowledge database for protective functions in sustainable forest management: the case of Greece. *International Journal of Sustainable Agricultural Management and Informatics* 7(2):111-128.
17. **Raptis, D.I.**, Kazana, V., Kechagioglou, S., Kazaklis, A., Stamatiou, C., Papadopoulou, D. and Tsiatsoni, T. (2022). Nonlinear Quantile Mixed-Effects Models for Prediction of the Maximum Crown Width of *Fagus sylvatica* L., *Pinus nigra* Arn. and *Pinus brutia* Ten. *Forests* 13, 499.
18. **Raptis, D.I.**, Kazana, V., Stamatiou, C., Papadopoulou, D. and Psarra, A. (2022). Allometric management models for Mediterranean cypress (*Cupressus sempervirens* L. var *horizontalis*) in urban and peri-urban forest ecosystems. *Journal of Sustainable Forestry* (under publication).

C. Books – Chapters in Collective Volumes

1. Kazana, V., Kazaklis, A., Stamatiou, C., Koutsona, P., **Raptis D.**, and Boutsimea, A. (2014). *Indicators for assessing and monitoring maintenance and encouragement of productive functions of Greek forests*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 176 pp.
2. Kazana, V., Kazaklis, A., Boutsimea, A., **Raptis D.**, Stamatiou, C., and Koutsona, P. (2014). *Indicators for assessing and monitoring maintenance and appropriate enhancement of forest resources and their contribution to global carbon cycles in Greece*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 289 pp.
3. Kazaklis, A., Kazana, V., Koutsona, P., **Raptis D.**, Stamatiou, C., and Boutsimea, A. (2014). *Indicators for assessing and monitoring maintenance, conservation and appropriate enhancement of biological diversity in Greek forest ecosystems*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 232 pp.
4. Kazaklis, A., Kazana, V., **Raptis D.**, Stamatiou, C., Koutsona, P., and Boutsimea, A. (2014). *Indicators for assessing and monitoring maintenance and appropriate enhancement of protective functions in the management of Greek forests*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 53 pp.
5. Kazaklis, A., Kazana, V., **Raptis D.**, Stamatiou, C., Koutsona, P., and Boutsimea, A. (2014). *Indicators for assessing and monitoring health and vitality of Greek forests*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 192 pp.
6. Kazana, V., Kazaklis, A., Koutsona, P., Boutsimea, A., Stamatiou, C., and **Raptis D.** (2014). *Indicators for assessing and monitoring maintenance of socioeconomic functions and conditions of Greek forests*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 291 pp.
7. Kazaklis, A., Kazana, V., Stamatiou, C., Boutsimea, A., Koutsona, P., and **Raptis D.** (2014). *Evaluation of processes, functions and driving forces for sustainable forest management of Greek forests*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 887 pp.
8. Kazaklis, A., Kazana, V., Stamatiou, C., **Raptis, D.**, Koutsona, P., and Boutsimea, A. (2014). *Forest Landscape Systems of Greece*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology/ Ministry of Environment, Energy and Climate Change, Drama, Greece, 77pp.
9. Kazana, V., Kazaklis, A., Stamatiou, C., Boutsimea, A. **Raptis D.**, and Koutsona, P. (2014). *Policy impact assessment for sustainable forest management in Greece*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 170 pp.
10. Kazana, V., Kazaklis, A., **Raptis D.**, Stamatiou, C., Koutsona, P., and Boutsimea, A. (2014). A

Knowledge System for Sustainable Forest Management assessment and implementation monitoring in Greece. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 162 pp. (In English and Greek).

11. Kazana, V., Kazaklis, A., Boutsimea, A. Koutsona, P., **Raptis, D.**, and Stamatiou, C. (2014). *Forest Governance Practices for Sustainable Forest Management in Greece.* INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 30 pp. (In Greek).
12. Kazana, V., Kazaklis, A., **Raptis, D.**, Stamatiou, C., Koutsona, P., and Boutsimea, A. (2014). *Assessing forest sustainability at local level- A pilot study in the forest area of Thassos.* INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 64 pp. (In Greek).
13. Kazana, V., Kazaklis, A., **Raptis, D.**, Stamatiou, C., Koutsona, P., and Boutsimea, A. (2014). *Assessing forest sustainability at local level- A pilot study in the forest area of Kato Nevrokopi.* INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 64 pp. (In Greek).
14. Kazana, V., Tsourgiannis, L., Iakovoglou, V., Stamatiou, C., Alexandrov, A., Araújo, S., Bogdan, S., Božič, G., Brus R., Bossinger, G., Boutsimea, A., Čelepirović, N., Cvrčková, H., Fladung, M., Ivanković, M., Kazaklis, A., Koutsona, P., Luthar, Z., Máchová, P., Malá, J., Mara, K., Mataruga, M., Moravcikova, J., Paffetti, D., Paiva, J. A.P., **Raptis, D.**, Sanchez, C., Sharry, S., Salaj, T., Šijačić-Nikolić, M., Tel-Zur, N., Tsvetkov, I., Vettori, C., Vidal, N. (2016). Public knowledge and perceptions of safety issues towards the use of genetically modified forest trees: A cross-country pilot survey. *In: Vettori C, Gallardo F, Häggman H, Kazana V, Migliacci F, Pilate G, Fladung M (eds) Biosafety of Forest Transgenic Trees: Improving the Scientific Basis for Safe Trees Development and Implementation of EU Policy Directives (Vol. 82), Springer.*
15. Kazana, V., Tsourgiannis, L., Iakovoglou, V., Stamatiou, C., Kazaklis, A., Koutsona, P., **Raptis, D.**, Boutsimea, A., Sijacic-Nicolic, M., Vettori, C., Fladung, M. (2016). Approaches and tools for a socio-economic assessment of GM forest tree crops: Factors for consideration in Cost-Benefit Analyses. *In: Vettori, C., Gallardo, F., Häggman, H., Kazana, V., Migliacci, F., Pilate, G., Fladung, M. (eds) Biosafety of Forest Transgenic Trees: Improving the Scientific Basis for Safe Trees Development and Implementation of EU Policy Directives (Vol. 82), Springer.*
16. Kazana, V., Kazaklis, A., **Raptis, D.**, Chrysanthidou, E., Kazakli, S. and Zagourgini, N. (2021). Exploring social attitudes towards the green infrastructure plan of the Dramacity in Greece. *In Lausen, B., Chadjipadelis, T., Markos, A., Lee, T.R., Montanari, A., Nugent, R. (eds). Data Analysis and Rationality in a Complex World, Studies in Classification, Data Analysis and Knowledge Organization, Springer, p. 93-101.*

D. Papers in peer-reviewed proceedings of international conferences

1. **Raptis, I.D.**, Zagas, T.D., Karamanolis, V.D and Zagas, D.T. (2012). Wildfire risk zone mapping in Olympus Mt., as a tool for silvicultural interventions in a forest management framework. *In: Katsifarakis, K. L., Theodossiou, N., Christodoulatos, C., Koutsospyros, A. and Mallios, Z. (eds), Protection and Restoration of the Environment XI. Stevens Institute of Technology & Aristotle University of Thessaloniki, 3-6 July, Thessaloniki, Greece. Pp. 1110-1119.*
2. Kazana, V., Fotakis, D., Stamatiou, C., Kazaklis, A., Boutsimea, A., Koutsona, P., **Raptis, D.** (2013). Strategic planning for sustainable forest management assessment: A SWOT Analysis for the forests of the Region of Kentriki Makedonia in Northern Greece. *Proceedings of the 16th Panhellenic Conference of the Hellenic Forestry Society, Thessaloniki, Greece.*
3. **Raptis, D.**, Zagas, D. and Zagas, Th. 2013. Interactions between forest stands and spatial criteria in the frame of multifunctional silviculture. *Proceedings of the 16th Panhellenic Forestry Society Conference 6-9 October 2013, Thessaloniki, Greece. pp.522-531.*
4. Kazana, V., Kazaklis, A., Stamatiou, C., **Raptis, D.**, Koutsona, P., and Boutsimea, A. (2015).

Water related Indicators for sustainable forest management planning in Greece. *In*: Zaimes, G.N., Iakovoglou, V., Kaziolas, D., Emmanouloudis, D. and Ioannou, K. (eds) Proceedings of the International Conference on Frontiers in Environmental and Water Management, 19-21 March 2015, Eastern Macedonia & Thrace Institute of Technology, Kavala, pp 263-270.

5. **Raptis, D.**, Kazaklis, A., Kazana, V., Stamatiou, C., Koutsona, P., and Boutsimea, A. (2015). Identification and mapping of protective forests in Greece: The INFORM-LIFE spatial approach. *In*: Zaimes, G.N., Iakovoglou, V., Kaziolas, D., Emmanouloudis, D. and Ioannou, K. (eds) Proceedings of the International Conference on Frontiers in Environmental and Water Management, 19-21 March 2015, Eastern Macedonia & Thrace Institute of Technology, Kavala, pp 271-277.
6. Samara, Th., **Raptis, D.** and Spanos, I. (2017). Silviculture treatments for reducing fire's potential severity in urban forests, N. Greece. 15th International Conference on Environmental Science and Technology Rhodes (CEST), Greece, 31 August to 2 September 2017.
7. Kazana, V., Kazaklis, A., **Raptis, D.**, and Stamatiou, C. (2017). A multi-criteria fuzzy AHP approach for assessing forest management sustainability: A Greek case study. Proceedings of the 6th International Symposium & 28th National Conference on Operational Research—OR in the digital era- ICT Challenges, University of Macedonia, Thessaloniki, Greece, June 8-10, 2017.
8. **Raptis, D.**, Kazana, V., Stamatiou, C. and Kazaklis, A. (2019). Fuel management for wildfire hazard reduction: A Greek case study. OPROTEH/CISA/CIER 2019, University of Bacau International Conferences, Bacau, Romania 22-24 May 2019.
9. Kazana, V., Kazaklis, A., **Raptis, D.** and Stamatiou, C. (2019). A multi-criteria approach to assess impacts of forest management policies in the context of sustainability. A case study on the forests of Kentriki Makedonia Region in Greece. OPROTEH/CISA/CIER 2019, University of Bacau International Conferences, Bacau, Romania 22-24 May 2019.
10. Kazana, V., Kazaklis, A., **Raptis, D.**, Chrysanthidou, E., Kazakli, S. and Zagourgini, N. (2019). Principal Component Analysis to explore social attitudes towards the green infrastructure plan of the Drama city. 16th IFCS, Thessaloniki, 27-29 August 2019.

E. Papers in peer-reviewed proceedings of national conferences

1. **Raptis, D.**, Zagas, Th., Zagas, D., Manolis, V., Misiakas, M., Damaskos, C., Zaga, Th. and Karamanolis, D. (2009). Planning and assessment of the effectiveness of traditional silvicultural treatments for mitigating wildfire hazard in Thines forest of Vartholomio, Greece. Pages 661-676. *In*: Proceedings of the 14th National Forestry Congress, Patra, 1-4 November, 2009. Hellenic Forestry Society. [In Greek]
2. Zagas, Th., Karamanolis, D., **Raptis D.**, Manolis V., Zagas D., Misiakas M., Damaskos C., Zaga Th. (2009). Planning measures and actions for the protection and enhancement in Thines forest (sand dunes forest) of Vartholomio, Greece. Pages 987-996. *In*: Proceedings of the 14th National Forestry Congress. Patra, 1-4 November, 2009. Hellenic Forestry Society. [In Greek].
3. Manolis E., Zagas Th., Zagas D., Misiakas M., **Raptis D.**, Zaga Th., Damaskos C. (2009). Contribution of the digital registers in tree management in urban green spaces. The case of Katsimidou street, Greece. Pages 1091-1101. *In*: Proceedings of the 14th National Forestry Congress. Patra, 1-4 November, 2009. Hellenic Forestry Society. [In Greek].
4. Ganatsas, P., Mantzavelas, A., Dimiropoulos, K. and **Raptis, D.** (2009). Ecological characteristics of the Wildland-Urban Interface (WUI) area of Thessaloniki. Pages 176-184. *In*: Proceedings of the 3rd Hellenic Environmental Congress: "Climate Change, Sustainable Development and Renewable Energy Sources, seeking solutions for the environment in Greece". Thessaloniki, 15-17 October 2009. Aristotle University of Thessaloniki. [In Greek]
5. **Raptis, D.**, Zagas, D., Karamanolis, D., Karnouskos, P. and Zagas, Th. (2011). Structure analysis of Black Pine (*Pinus nigra* Arn.) stands in the Southeast Mt. Olympus. *In*: Proceedings of the 15th National Forestry Congress. Karditsa, 16-19 October, 2011. Hellenic Forestry Society. [In Greek].

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7. Zagas, D., Karamanolis, D. and **Raptis, D.** (2013). Evaluating the forest multi-functionality perspective in the University Forest of Pertouli using the Analytical Hierarchy Process (AHP). 16th Panhellenic Forestry Conference 6-9 October 2013. Pp. 247-257.
8. **Raptis, D.**, Zagas, D. and Zagas, Th. (2015). Modelling height – diameter relationship of the Black pine (*Pinus nigra* Arn.) and the Macedonian fir (*Abies borisii regis* Matf.) in Olympus Mountain. 17th Panhellenic Forestry Conference 4-7 October 2015. [In Greek]
9. Kazana, V., Kazaklis, A., **Raptis, D.**, Stamatiou, C., Tsitlakidis, A. and Manaridis, M. (2017). A local forest governance model for sustainable forest management. The case of Kato Nevrokopi Dramas. Proceedings of the 18th Panhellenic Conference of the Hellenic Forestry Society. [In Greek].

F. Scientific Research Reports

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2. Kazaklis, A., **Raptis, D.**, Kazana, V., Stamatiou, C., Koutsona, P., Alexaki, A., and Boutsimea, A. (2011). *General Description of the INFORM study area in the island of Thassos*. INFORM-LIFE/Eastern Macedonia & Thrace Institute of Technology/ Ministry of Environment, Energy and Climate Change, Drama, Greece, 44pp, www.inform-life.gr (In English and Greek).
3. Kazaklis, A., **Raptis, D.**, Kazana, V., Stamatiou, C., Koutsona, P. and Boutsimea, A. (2013). *The INFORM study area spatial evaluation base*. INFORM-LIFE/Eastern Macedonia & Thrace Institute of Technology/ Ministry of Environment, Energy and Climate Change, Drama, Greece, 80pp, www.inform-life.gr
4. Kazana, V., Kazaklis, A., Stamatiou, C., **Raptis D.**, Boutsimea, A. and Koutsona, P. (2014). *Management options for sustainable forest management and climate change adaptation*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 87 pp, www.inform-life.gr
5. Kazaklis, A., Kazana, V., Stamatiou, C., Koutsona, P., Boutsimea, A., and **Raptis, D.** (2014). *Spatial indicator models- Data collection*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 150 pp, www.inform-life.gr
6. Kazaklis, A., Kazana, V., Stamatiou, C., Koutsona, P., **Raptis, D.** and Boutsimea, A. (2014). *The INFORM pilot study areas- Environmental and Socioeconomic impact analysis*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 160 pp, www.inform-life.gr
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8. Kazana, V., Kazaklis, A., Boutsimea, A. Stamatiou, C., Koutsona, P., and **Raptis D.** (2014). *Policy impact assessment for Sustainable Forest Management in Greece*. INFORM-LIFE/ Eastern Macedonia & Thrace Institute of Technology / Ministry of Environment, Energy and Climate Change, Drama, Greece, 113 pp, www.inform-life.gr

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10. Kazana, V., Kazaklis, A., **Raptis, D.**, Stamatiou, C., Koutsona, P. and Konstandinou, M. (2015). A plan for promoting the environmental, social and economic role of the Municipal (National) Stadium-Hospital periurban forest and the southern area of the St. Barbara-Kallifitos stream of the city of Drama. Eastern Macedonia & Thrace Institute of Technology and Municipality of Drama, OSSA Dramas, 155 pp., accessed: <http://astikoprasino-dramas.blogspot.gr> (In Greek).
11. Kazana, V., Kazaklis, A., **Raptis, D.**, Koutsona, P., and Stamatiou, C. (2017). A governance approach in the policy planning frame for revision of the forest management plan standards. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 42 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).
12. Kazana, V., Kazaklis, A., **Raptis, D.**, Koutsona, P., and Stamatiou, C. (2017). A road map of the policy planning process for revision of the forest management plan standards. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 186 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).
13. Kazaklis, A., Kazana, V., **Raptis, D.**, Stamatiou, C., and Koutsona, P. (2017). Preliminary procedures for the organization of the field forest sampling work for wood volume estimation. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 62 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).
14. Kazaklis, A., Kazana, V., **Raptis, D.**, Stamatiou, C., and Koutsona, P. (2017). Spatial and temporal organization of the forest sampling field work for wood volume estimation. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 110 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).
15. **Raptis, D.**, Kazaklis, A., Kazana, V., Stamatiou, C., and Koutsona, P. (2017). Implementation of forest sampling field work for wood volume estimation. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 63 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).
16. Kazaklis, A., Stamatiou, C., Kazana, V., **Raptis, D.**, and Koutsona, P. (2017). Support procedures for implementation of the field forest sampling for wood volume estimation. Eastern Macedonia and Thrace Institute of Technology and Ministry of Environment, Energy and Climate Change, Drama, 23 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).

G. Pilot studies

1. Kazana, V., Kazaklis, A., **Raptis, D.** and Stamatiou, C. (2017). Standard technical specifications for standing volume sampling for the preparation of forest management plans. Laboratory of Forest Management, Department of Forestry & Natural Environment Management, Eastern Macedonia & Thrace Institute of Technology, 82 pp., accessed: <https://fmroadmap.wordpress.com> (In Greek).

11. VOCATIONAL TRAINING PROGRAMMS

1. **Project and plan impact evaluation tools in the context of sustainable forest management**
 Year of implementation: 2014
 Trainees: Forest Service forestry staff
 Coordinating Agency: Eastern Macedonia & Thrace Institute of Technology – Department of Forestry & Natural Environment Management at Drama

Funding: INFORM- EU LIFE & Ministry of Environment, Energy & Climate Change
Role in the Program: Coordinator/ Trainer.

12. ORGANIZATION OF SYMPOSIA/ CONFERENCES/ WORKSHOPS

1. Chair of the organizing committee and member of the scientific committee of the EFIMED WEEK 2014 & INFORM-LIFE CONFERENCE, 5-7 November 2014, Kavala, Greece.
2. Chair of the Organizing and Scientific Committee of the dissemination conference on “Promotion of the environmental, social and economic role of the Municipal (National) Stadium -Hospital periurban forest and the southern area of St. Barbara-Kallifitos stream of the city of Drama”, 3 December 2015, Drama.
3. Chair of the Organizing and Scientific Committee of the 1st Meeting of the Governance Network for the bioclimatic & environmental upgrading of the green infrastructure plan of the City of Drama, 12 December 2019, Drama.

13. SCIENTIFIC JOURNALS REVIEWER

- ◆ Agronomy (MDPI)
- ◆ Applied Sciences (MDPI)
- ◆ Bois et Forets des Tropiques
- ◆ Cerne
- ◆ Climate (MDPI)
- ◆ Diversity (MDPI)
- ◆ Ecological Indicators (Elsevier)
- ◆ Energies (MDPI)
- ◆ Fire (MDPI)
- ◆ Folia Oecologica
- ◆ Forest ecology and management (Elsevier)
- ◆ Forest systems (INIA)
- ◆ Forests (MDPI)
- ◆ International Journal of Environmental Research and Public Health (MDPI)
- ◆ ISPRS International Journal of Geo-Information (MDPI)
- ◆ Land (MDPI)
- ◆ Remote Sensing (MDPI)
- ◆ Sensors (MDPI)
- ◆ Sustainability (MDPI)
- ◆ Water (MDPI)

14. MEMBERSHIP IN SCIENTIFIC–PROFESSIONAL ORGANIZATIONS / NETWORKS

- Geotechnical Chamber of Greece
- Hellenic Forestry Society

15. PRACTICAL EXPLOITATION OF RESEARCH RESULTS

- Development of the INFORM knowledge system for sustainable forest management assessment and monitoring. The system has been designed to be used by the General Directorate for forests of the Ministry of Environment, Energy and Climate Change.

- Development of an integrated forest data base for forest management sustainability, compatible with the FOREST EUROPE paneuropean criteria and indicators for sustainable forest management. The data base has been used by the FOREST EUROPE organization.
- A proposal on standard technical specifications for standing volume sampling for the preparation of forest management plans. It was uploaded by the Ministry of Environment, Energy and Climate Change as the basic public consultation text in the context of the revision process of the forest management plan standards.