ΠΡΟΣΩΠΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

Δρ. Γεώργιος Μαλλίνης

📍 Τμήμα Αγρονόμων Τοπογράφων Μηχανικών, Πανεπιστημιούπολη ΑΠΘ, Τ.Θ. 473, Τ.Κ. 54124

📞 2310996085

✉ gmallin@auth.gr

Φύλο 'Άνδρας | Ημερομηνία γέννησης 13/12/1976 | Εθνικότητα Ελληνική

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

2020- **Αναπληρωτής Καθηγητής,**
Τμήμα Αγρονόμων και Τοπογράφων Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

Γνωστικό αντικείμενο «Το γνωστικό αντικείμενο του Τομέα Κτηματολογίου, Φωτογραμμετρίας και Χαρτογραφίας, με έμφαση στην Τηλεπισκόπηση»

Επιχείρηση ή κλάδος Πανεπιστήμιο

2018- **Αναπληρωτής Καθηγητής,**
Τμήμα Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων, Δημοκρίτειο Πανεπιστήμιο Θράκης

Γνωστικό αντικείμενο ▪ Τηλεπισκόπηση Δασικών Πόρων και Γεωγραφικά Συστήματα Πληροφοριών

Επιχείρηση ή κλάδος Πανεπιστήμιο

2014- **Ειδικός επιστήμονας, Πρόεδρος Δ.Σ. Φορέας Διαχείρισης Εθνικών Δρυμών Βίκου Αώου και Πίνδου**

Φορέας Διαχείρισης Εθνικών Δρυμών Βίκου Αώου και Πίνδου

▪ Διοίκηση και διαχείριση προστατευόμενων περιοχών

Επιχείρηση ή κλάδος ΝΠΙΔ, Υπουργείο Περιβάλλοντος και Ενέργειας

2010-2013 **Επιστημονικός συνεργάτης**

Τμήμα Βιολογίας, Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών

▪ Τηλεπισκόπηση, Γεωγραφικά Συστήματα Πληροφοριών

Επιχείρηση ή κλάδος ΝΠΙΔ

2000-2013 **Επιστημονικός συνεργάτης**

Τμήμα Δασολογίας και Φυσικού Περιβάλλοντος, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίνης

▪ Τηλεπισκόπηση, Γεωγραφικά Συστήματα Πληροφοριών, Χαρτογράφηση δασικών εκτάσεων, Φωτογραμμετρία,

Επιχείρηση ή κλάδος ΝΠΙΔ

2000-2004 **Επιστημονικός συνεργάτης**

Σχεδιασμός ΑΕ-Κτηματογραφική

Γεωγραφικά Συστήματα Πληροφοριών

Επιχείρηση ή κλάδος Ιδιωτικός Τομέας

ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΚΑΤΑΡΤΙΣΗ

2001-2006 **Διδακτορικό Δίπλωμα**

Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

Αξιολόγηση της δυνατότητας χρησιμοποίησης δορυφορικών δεδομένων πολύ υψηλής ευκρίνειας και Γεωγραφικών Συστημάτων Πληροφοριών στα πλαίσια σύνταξης του Δασολογίου

1999-2001	**Μεταπτυχιακό Δίπλωμα**
	Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
	Διερεύνηση των δυνατοτήτων της δορυφορικής Τηλεπισκόπησης σε εφαρμογές χαρτογράφησης δασών σε Μεσογειακά Οικοσυστήματα με μεθόδους πολυμεταβλητής στατιστικής ανάλυση
1994-1999	**Πτυχίο Δασολόγου-Περιβαλλοντολόγου**
	Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
	Ανάλυση Δασικών Πληροφοριών στο επίπεδο των Νομών της Θράκης

ΑΤΟΜΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ

Μητρική γλώσσα   Ελληνικά

	ΚΑΤΑΝΟΗΣΗ		ΟΜΙΛΙΑ		ΓΡΑΦΗ
	Προφορική	Γραπτή (ανάγνωση)	Επικοινωνία	Προφορική έκφραση	
Αγγλικά	C2	C2	C2	C2	C2
	Proficiency				
Γαλλικά	A2	A2	A2	A2	A2
	Certicat.				

Επίπεδα: Α1/Α2: Βασικός χρήστης - Β1/Β2: Ανεξάρτητος χρήστης - C1/C2: Έμπειρος χρήστης
Κοινό Ευρωπαϊκό Πλαίσιο Αναφοράς για Γλώσσες

Ερευνητική εμπειρία   ▪ Συμμετοχή σε 16 ερευνητικά προγράμματα με Ευρωπαϊκή και Εθνική χρηματοδότηση

Ψηφιακή δεξιότητα   Trimble eCognition, Leica ERDAS Imagine, Harris ENVI, ESRI ArcGIS, Flammap, AutoCAD Map, SPSS, Statistica,

ΠΡΟΣΘΕΤΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

Μέλος Επιτροπών

▪ Μέλος της Ανεξάρτητης Επιτροπής που έχει συσταθεί με την Πρωθυπουργική Απόφαση Υ60 (ΦΕΚ 3937/Β/2018) για την ανάλυση των υποκείμενων αιτιών και τη διερεύνηση των προοπτικών διαχείρισης των μελλοντικών πυρκαγιών δασών και υπαίθρου στην Ελλάδα

▪ Expert Meeting on the Global Risk Assessment Framework in support of the Sendai Framework for Disaster Risk Reduction 2015-2030, the 2030 Agenda for Sustainable Development, and the Paris Agreement

Συμμετοχή σε προγράμματα κατά τη διάρκεια των τελευταίων ετών (C)Coordinator, (M) Team Member

▪ 2019- : SenSPa - Sentinels for Sustainable Pasture Management. ESA EO SCIENCE FOR SOCIETY (M)

▪ 2019- :Implementing and developing common systems and standards for optimizing decision-making processes in water and forests (FOREST FIRES), applying the evidence-based policy system in the Ministry of Waters and Forests to systematizing and simplifying water legislation and implementing simplified procedures to reduce administrative burdens for the forestry business sector-

▪ 2019- :GEOEssential Variables workflows for resource efficiency and environmental management

▪ HORIZON 2020 – ERA-PLANET (M)

▪ 2019- : Copernicus for environmental law enforcement support-e*nviroLENS*, H2020-SPACE-2018 (M)

▪ 2019- : Development of biomass supply chain for domestic district heating networks GR Research and Innovate Program

▪ 2018- : -Integrated actions for the conservation and management of NATURA 2000 sites, species, habitats and ecosystems in Greece-LIFE IP 4 NATURA. LIFE 16 IPE/GR/002. (C)

▪ 2017- : Conservation and sustainable capitalization of biodiversity in forested areas – BIOPROSPECT. INTERREG BALKANMED 2014-2020 (C)

▪ 2016-2017: Disaster risk assessment at national level-RO-RISK. Institutul Naţional De Cercetare-Dezvoltare în Silvicultură "MARIN DRĂCEA" (C)

▪ 2016-2017: Forest Roads for Civil Protection (FORCIP+) Funded by EU DG ECHO." (M)

▪ 2015-2016: Management concerning major Natural and Cultural Heritage sites of the EUR-OPA countries-Funded by COUNCIL OF EUROPE (M)

▪ 2013-2014: Vegetation mapping and biomass estimation with modern remote sensing methods in order to fulfil the country's obligations under the united nations framework convention on climate change (unfccc) and the kyoto protocol-TELEKYOTO. Funded by European Social Fund – ESF& Greek national funds (M)

▪ 2013-2014: STREAMS-2-SUPPRESS-FIRES: Utilizing Stream Waters in the Suppression of Forest Fires with the Help of New Technologies – Funded by ENPI Black SEA (M)

▪ 10-2013: FUME (Forest fire under climate, social and economic changes) - FP7-ENV-2009-1

Δημοσιεύσεις
Σε διεθνή περιοδικά μετά από κρίση

- 32 indexed in ISI Web of Science
- Citations (Scopus): 466
- H-index (Scopus): 10

1.   Manfreda, S., McCabe, M., Miller, P., Lucas, R., Pajuelo Madrigal, V., Mallinis, G., Ben Dor, E., Helman, D., Estes, L., Ciraolo, G., Müllerová, J., Tauro, F., de Lima, M., de Lima, J., Maltese, A., Frances, F., Caylor, K., Kohv, M., Perks, M., Ruiz-Pérez, G., Su, Z., Vico, G., Toth, B., 2018. On the Use of Unmanned Aerial Systems for Environmental Monitoring. **Remote Sensing**, 10(4), 641

2.   Chrysafis, I., Mallinis, G., Gitas, I., Tsakiri-Strati, Maria. 2017. Estimating Mediterranean forest parameters using multi seasonal Landsat 8 OLI imagery and an ensemble learning method. Remote Sensing of Environment, 199, 154-166.

3.   Mallinis, G., Mitsopoulos, I. Chrysafis, I., 2017. Evaluating and comparing Sentinel 2A and Landsat-8 Operational Land Imager (OLI) spectral indices for estimating fire severity in a Mediterranean pine ecosystem of Greece. **GIScience & Remote Sensing**, 55,1-18.

4.   Mitsopoulos, I., Mallinis, G., 2017. A data-driven approach to assess large fire size generation in Greece, **Natural Hazards**, 88, 3,1591-1607

5.   Siachalou, S., Mallinis, G., Tsakiri-Strati, M., 2017. Analysis of Time-Series Spectral Index Data to Enhance Crop Identification Over a Mediterranean Rural Landscape. **IEEE Geoscience and Remote Sensing Letters**, 14, 9, 1508-1512.

6.   Chrysafis, I., Mallinis, G., Siachalou S., Patias P., 2017. Assessing the relationships between growing stock volume and Sentinel-2 imagery in a Mediterranean forest ecosystem. **Remote Sensing Letters.** 8, 6, 508–517.

7.   Salis, M., Arca, B., Alcasena, F., Arianoutsou, M., Bacciu, V., Duce, P., Duguy, B., Koutsias, N., Mallinis, G., Mitsopoulos, I., Moreno, J.M., Pérez, J.R., Urbieta, I.R., Xystrakis, F., Zavala, G., Spano, D., 2016. Predicting wildfire spread and behaviour in Mediterranean landscapes. **International Journal of Wildland Fire**. 25(10):1015-1032

8.   Galidaki, G., Zianis, D., Gitas, I., Radoglou, K., Karathanassi, V., Tsakiri-Strati, M., Woodhouse, I., Mallinis. G., 2016. Vegetation biomass estimation with remote sensing: focus on forest and other wooded land over the Mediterranean ecosystem. **International Journal of Remote Sensing**, 38, 1940-1966

9.   Mitsopoulos, I., Mallinis, G., Zibtsev, S., Yavuz, M., Saglam, B., Kucuk, O., Bogomolov, V., Borsuk, A., Zaimes, G., 2017. An integrated approach for mapping fire suppression difficulty in three different ecosystems of Eastern Europe. **Journal of Spatial Science**, 62, 139-155

10. Mallinis, G., Gitas, I.Z., Tasionas, G., Maris, F., 2016. Multitemporal Monitoring of Land Degradation Risk Due to Soil Loss in a Fire-Prone Mediterranean Landscape Using Multi-decadal Landsat Imagery. **Water Resources and Management**, 30, 1255–1269. doi:10.1007/s11269-016-1224-y

11. Mallinis, G. Mitsopoulos I., Beltran, E. and Goldammer, J. 2016 Assessing Wildfire Risk in Cultural Heritage Properties Using High Spatial and Temporal Resolution Satellite Imagery and Spatially Explicit Fire Simulations: The Case of Holy Mount Athos, Greece. **Forests** 2016, 7(2), 46; doi:10.3390/f7020046

12. Karteris, M., Theodoridou, I., Mallinis, G., Tsiros, E., Karteris, A., 2016. Towards a green sustainable strategy for Mediterranean cities: Assessing the benefits of large-scale green roofs implementation in Thessaloniki, Northern Greece, using environmental modelling, GIS and very high spatial resolution remote sensing data. **Renewable and Sustainable Energy Reviews** 58, 510–525.

13. Vakaki, E., Mallinis, G., Tsakiri-Strati, M., Doxani, G., Siachalou, S., 2016. Change Detection Techniques for Monitoring a Deltaic Ecosystem in Northern Greece using Multi-Temporal LANDSAT TM Imagery. **South-Eastern Eur. J. Earth Obs. Geomatics** 6, 1–22.

14. Mitsopoulos I, Mallinis G, Karali A, Giannakopoulos C, Arianoutsou M. 2016. Mapping fire behaviour under changing climate in a Mediterranean landscape in Greece. **Regional Environmental Change.**

15. Tompoulidou M, Gitas IZ, Polychronaki A, & Mallinis G. 2016 A GEOBIA framework for the implementation of national and international forest definitions using very high spatial resolution optical satellite data**. Geocarto International**. 31, 342–354.

16. Gitas, I., Mallinis, G., 2015. Foreward for the Geobia special issue. Photogrammetric Engineering and Remote Sensing 81, 449–450

17. Koutsias N, Allgöwer B, Kalabokidis K, Mallinis G, Balatsos P, Goldammer J. 2015 Fire occurrence zoning from local to global scale in the European Mediterranean basin: implications for multi-scale fire management and policy. **iForest - Biogeosciences and Forestry.** 9. 195-204 (IF

18. Siachalou, S., Mallinis, G., & Tsakiri-Strati, M. 2015. A Hidden Markov Models Approach for Crop Classification: Linking Crop Phenology to Time Series of Multi-Sensor Remote Sensing Data. **Remote Sensing**, 7, 3633-3650 (IF 2.65).

19. Moussoulis, E., Mallinis, G., Koutsias, N., Zacharias, I., 2015. Modelling surface runoff to evaluate the effects of wildfires in multiple semi-arid, shrubland-dominated catchments. **Hydrol. Process**. 29, 4427–4441.

20. Mitsopoulos, I., Mallinis, G., Arianoutsou, M., 2014. Wildfire Risk Assessment in a Typical Mediterranean Wildland–Urban Interface of Greece. **Environ. Manage**. 55, 900–915

21. Mallinis, G., Karteris, M., Theodoridou, I., Tsioukas, V., & Karteris, M. 2014. Development of a nationwide approach for large scale estimation of green roof retrofitting areas and roof-top solar energy potential using VHR natural colour orthoimagery and DSM data over Thessaloniki, Greece. **Remote Sensing Letters** (IF 1.62)

22. Mallinis, G., Koutsias, N., & Arianoutsou, M. 2014. Monitoring land use/land cover transformations from 1945 to 2007 in two peri-urban mountainous areas of Athens metropolitan area, Greece. **Science of The Total Environment**, 490, 262-278 (IF 3.26)

23. Karteris, M., Theodoridou, I., **Mallinis, G**. and Papadopoulos, A.M., 2014. Façade photovoltaic systems on multifamily buildings: An urban scale evaluation analysis using geographical information systems. **Renewable and Sustainable Energy Reviews**, 39: 912-933.

24. Mallinis, G.,Galidaki, G and Gitas, I.Z., 2014. A Comparative Analysis of EO-1 Hyperion, Quickbird and Landsat TM Imagery for Fuel Type Mapping of a Typical Mediterranean Landscape. **Remote Sensing** (2):1684-1704.

25. Mallinis, G., Gitas, I.Z., Giannakopoulos, V., Maris, F., and Tsakiri-Strati, M. 2013. An object-based approach for flood area delineation in a transboundary area using ENVISAT ASAR and LANDSAT TM data. **International Journal of Digital Earth**, 6, 124-136 (IF 1.22)

26. Mallinis, G., Mitsopoulos, I., Stournara, P., Patias, P., and Dimitrakopoulos, A. 2013. Canopy fuel load mapping of Mediterranean pine sites based on individual tree-crown delineation. **Remote Sensing**, 5, 6461-6480

27. Koutsias, N., Pleniou, M., Mallinis, G., Nioti, F., and Sifakis, N., 2013. A rule-based semi-automatic method to map burned areas: exploring the USGS historical Landsat archives to reconstruct recent fire history. **International Journal of Remote Sensing**, 34(20):7049-7068

28. Mallinis, G. and Koutsias, N., 2012. Comparing ten classification methods for burned mapping in a Mediterranean environment using Landsat TM satellite data**. International Journal of Remote Sensing** 33 (14): 4408-4433.

29. Koutsias, N., Xanthopoulos, G., Founda, D., Xystrakis, F., Nioti, F., Pleniou, M., Mallinis, G., Arianoutsou, M., 2013. On the relationships between forest fires and weather conditions in Greece from long-term national observations (1894-2010). **International Journal of Wildland Fire** 22(4):493-507Karagiorgos, K. Maris, F. Mallinis, G. and Kalinderis, I., 2013. An Automated Spatial Model for Soil Loss Estimation, Case Study of the Louros River, Greece. **Wildbach und Lawinenverbau77** (17): 278-291.

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31. Mitrakis, N., Mallinis, G., Koutsias, N. and Theocharis, J.B., 2012. Burned area mapping in Mediterranean environment using medium-resolution multi-spectral data and a neuro-fuzzy classifier. **International Journal of Image and Data Fusion**, 3 (4): 299-318.

32. Koutsias, N., Arianoutsou, M., Kallimanis, A.S., Mallinis, G., Halley, J.M. and Dimopoulos, P., 2012. Where did the fires burn in Peloponnisos, Greece the summer of 2007? Evidence for a synergy of fuel and weather**. Agricultural and Forest Meteorology**, 156: 41-53.

33. Moustakidis, S., Mallinis, G., Koutsias, N. and Theocharis, J.B., Petridis, V., 2012. SVM-Based Fuzzy Decision Trees for Classification of High Spatial Resolution Remote Sensing Images. **IEEE Transactions on Geoscience and Remote Sensing**, 50 (1): 149-169.

34. Mallinis, G., Emmanoloudis, D., Giannakopoulos, V., Maris, F. and Koutsias, N., 2011. Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: the case of Nestos delta, Greece, **Applied Geography** 31 (1): 312–320.

35. Mallinis, G., Maris, F., Kalinderis, I. and Koutsias, N., 2009. Assessment of Post-fire Soil Erosion Risk in Fire-Affected Watersheds Using Remote Sensing and GIS. **GIScience and Remote Sensing**, 46 (4): 388–410. (IF 1.43)

36. Koutsias, N., Mallinis, G. and Karteris, M., 2009. A forward/backward principal component analysis of Landsat-7 ETMC data to enhance the spectral signal of burnt surfaces. **ISPRS Journal of Photogrammetry and Remote Sensing** 64 (1): 37-46.

37. Mallinis, G., Mitsopoulos, I., Dimitrakopoulos, A., Karteris, M. and Gitas, I., 2008. Local Scale Fuel Type Mapping and Fire Behavior Prediction by Employing High Resolution Satellite Imagery. **IEEE Journal on Selected Topics in Applied Earth Observation** 1 (4): 230-239.

38. Mallinis, G. and Koutsias, N., 2008. Spectral and Spatial-Based Classification for Broad-Scale Land Cover Mapping Based on Logistic Regression. **Sensors** 8 (12): 8067-8085. (

39. Mallinis, G., Koutsias, N., Tsakiri, M., and Karteris, M., 2008. Object-based classification using Quickbird imagery for delineating forest vegetation polygons in a Mediterranean test site. **ISPRS Journal of Photogrammetry and Remote Sensing**, 63: 237-250.

40. Gitas, I.Z., Polychronaki, A., Katagis T. and Mallinis, G., 2008. Contribution of remote sensing to disaster management activities: A case study of the large fires in the Peloponnese, Greece. **International Journal of Remote Sensing**, 29(6): 1847-1853. (

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Κριτής σε Διεθνή Περιοδικά
1.Annals of Forest Science- Springer / 2.Applied Geography -Elsevier / 3.Computers, Environment and Urban Systems - Elsevier / 4.Desalination and Water Treatment-Taylor and Francis / 5.Ecological Complexity- Elsevier / 6.Environment, Development and Sustainability-Springer / 7.Environmental Earth Sciences-Springer / 8.Environmental Engineering and Management / 9.Environmental Monitoring and Assessment- Springer / 10.European Journal of Remote Sensing / 11.Forest Ecology and Management-Elsevier / 12.IEEE Journal of Selected Topics in Earth Observations and Remote Sensing / 13.IEEE Transactions on Geoscience and Remote Sensing / 14.International Journal of Applied Earth Observation and Geoinformation-Elsevier / 15.International Journal of Image and Data Fusion- Taylor and Francis / 16.International Journal of Remote Sensing-Taylor and Francis / 17.International Journal of Wildland Fire-CSIRO / 18.ISPRS Journal of Photogrammetry and Remote Sensing-Elsevier / 19.Journal of Maps-Taylor and Francis / 20.Journal of Arid Environments- Elsevier / 21.Journal of Environmental Management- Elsevier / 22.Journal of Geography and Regional Planning / 23.Journal of Mountain Science-Springer / 24.Journal of Sustainable Development-Canadian Center of Science and Education / 25.Land- MDPI / 26.Landscape Ecology- Springer / 27. Landscape Research- Taylor and Francis / 28. Natural Hazards-Springer / 29. Natural Hazards and Earth System Sciences Discussions - Copernicus / 30.Regional Environmental Change- Springer / 31.Remote Sensing of the Environment-Elsevier / 32.Remote Sensing-MDPI / 33.Science of the Total Environment- Elsevier / 34.Sensors-MDPI / 35.Water Resources Management- Springer