DRAGOZI Eleni

Personal Information

DATE - PLACE OF BIRTH: 28 March 1981 in Ellinochori Didymoteichou, Greece
PROFESSION: Researche Associate
PROFESSIONAL ADDRESS: National Observatory of Athens, Institute of Environmental Research and Sustainable Development
Lofos Koufou, P. Penteli, 15236, Athens, Greece
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Academic Qualifications

2019: MSc in IDGSPs (Interdisciplinary graduate programmes) in "Land Registry: Legal, Technical, and Environmental Dimensions", Faculty of Law, Aristotle University, Thessaloniki, Greece.
2016: Ph. D. thesis in Remote Sensing and GIS, Aristotle University, Thessaloniki, Greece.
2008: MSc in Geography and Applied Geoinformation, Department of Geography, University of the Aegean, Mytilene, Lesvos, Greece.
2004: B. Sc in Forestry and Management of Natural Environment and Natural Resources, Department of Forestry, Democritus University of Thrace, Orestiada, Greece.

Scholarships

2014: Short term mission scholarship, from the Management Committee of the COST Action FP1202, for young researchers.

Professional Experience

- 2020 – today: Research Associate IERSD/National Observatory of Athens, Greece
- 2018 – 2019: Forester – Enviromentalist – Specializing in Remote Sensing and GIS, HELLENIC FORESTS company, Thessaloniki, Greece
- 2017 – 2017: Forester – Enviromentalist – Specializing in Remote Sensing and GIS, Environmental Services- Dimitrios Zagkas & Thomas Lagkas, Thessaloniki, Greece.
- 2010 – 2016: Research associate – Specializing in Remote Sensing and GIS, Laboratory of Remote Sensing and GIS, Faculty of Agriculture, Forestry and Natural Environment, School of Forestry and Natural Environment, Aristotle University, Thessaloniki, Greece.
- 2009-2009: Forest Engineering, Greek Forest Services, Alexandroupoli, Greece
- 2008-2009: Forest Engineering, Greek Forest Services, Alexandroupoli, Greece.
- 2005-2006: Forest Engineering, Greek Forest Services, Alexandroupoli, Greece.

Areas of expertise

Remote Sensing and GIS applications in Forest Fires, with emphasis on burned area mapping, burned severity mapping and fuel moisture mapping. Teaching experience on Remote Sensing and aerial photography courses. Exprience in dam planning and design.

Participation in International Committees

No participation

Professional Experience

2020-now: Research Associate at the National Observatory of Athens. Main fields of research: fuel moisture estimation and mapping, and fire behavior estimation and burn probability mapping. These studies are based on the application of state-of-the-art remote sensing softwares (R programming), GIS softwares (QGIS), and fire behavior and analysis softwares (FlamMap).

2018-2019: Forester – Enviromentalist – Specializing in Remote Sensing and GIS. Support Services in Compilation - Preparation of Forest Maps.

2017-2017: Forester – Enviromentalist – Specializing in Remote Sensing and GIS. Technical consultant services, objection submission against forest map, preparation of necessary documentation and photo interpretation reports.

2010-2016: Research associate at the Laboratory of Remote Sensing and GIS, Faculty of Agriculture, Forestry and Natural Environment, School of Forestry and Natural Environment, Aristotle University, Thessaloniki, Greece. Main fields of research: burned area and burned severity mapping, land cover mapping and forest/nonforest mapping.

2009-2009: Forest Engineering at Greek Forest Services, Forest Map Department. Dam planning and design.

2008-2009: Forest Engineering at Greek Forest Services, Farm Forestry Department.

2009-2009: Forest Engineering at Greek Forest Services, Forest Map Department.

Other Activities

- **Editor**

No experience in that sector.

- **Reviewer (International Journals)**

Journal of Remote Sensing MDPI

- **Reviewer of Scientific proposals**

No experience in that sector.

- **Reviewer of Institutes**

No experience in that sector.

- **Organisation of International Conferences**

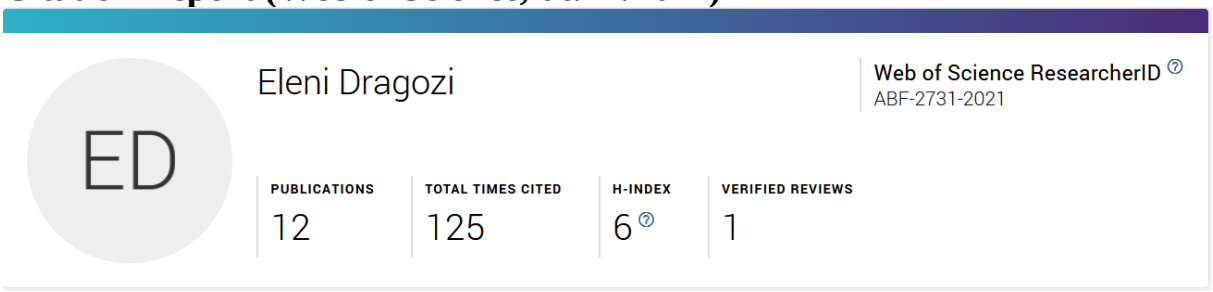
2014: Member of the Organising Committee of the 5th International Conference on Geographic Object-Based Image Analysis, 21-24 May 2014, Thessaloniki.

- **Major contributions to the early careers of excellent researchers**

During her teaching activities as a Ph. D. student,t she was offering her counselling in two level students, undergraduate and postgraduate.

- **Examples of leadership in industrial innovation or design**.
  - No experience in that sector.

Citation Report (Web of Science, 06/12/2021)



Publications in International Journals

1. Dragozi Eleni, Theodore M. Giannaros, Vasiliki Kotroni, Konstantinos Lagouvardos, Ioannis Koletsis, 2021: Dead Fuel Moisture Content (DFMC) estimation using MODIS and meteorological data: the case of Greece. Remote sensing, *13*(21), 4224.
2. Stefanidou Alexandra, Dragozi Eleni, Stavrakoudis Dimitris, Ioannis Z. Gitas: Fuel Type Mapping Using Object-Based Image Analysis of DMC and Landsat-8 OLI Imagery. Geocarto International, 2017: DOI:10.1080/10106049.2017.1333532
3. Dragozi Eleni, Ioannis Z. Gitas, Bajocco Sofia, Stavrakoudis Dimitris, 2016: Exploring the Relationship between Burn Severity Field Data and Very High Resolution GeoEye Images: The Case of the 2011 Evros Wildfire in Greece. Remote Sensing, 8, 566.
4. Maria Tompoulidou, Alexandra Sefanidou, Dionysios Grigoriadis, Eleni Dragozi, Dimitris Stavrakoudis, Ioannis Gitas: The Greek National Observatory of Forest Fires (NOFFi). RSCy2016 Fourth International Conference on Remote Sensing and Geoinformation of Environment, Paphos, Cyprus; 04/2016
5. Maria Tompoulidou, Dionysios Grigoriadis, Alexandra Stefanidou, Eleni Dragozi, Dimitris Stavrakoudis, Ioannis Gitas: Fuel Type Mapping on a National Scale Using Object Based Image Analysis and Landsat 8 OLI imagery: The National Observatory of Forest Fires (NOFFi) case. 10th EARSeL Forest Fire Special Interest Group Workshop, Limassol, Cyprus; 11/2015
6. Bajocco S, Dragozi E, Gitas I, Smiraglia D, Salvati L, Ricotta C (2015) Mapping Forest Fuels through Vegetation Phenology: The Role of Coarse-Resolution Satellite Time-Series. PLoS ONE 10(3): e0119811. doi: 10.1371/journal.pone.0119811 (impact factor) 3.234).
7. Dragozi, E., Gitas, I. Z., Stavrakoudis, D. G., & Theocharis, J. B. (2014). Burned Area Mapping Using Support Vector Machines and the FuzCoC Feature Selection Method on VHR IKONOS Imagery. Remote Sensing, 6(12), 12005-12036 ((impact factor) 3.180).
8. Stavrakoudis, D. G., Dragozi, E., Gitas, I. Z., & Karydas, C. G. (2014). Decision Fusion Based on Hyperspectral and Multispectral Satellite Imagery for Accurate Forest Species Mapping. Remote Sensing, 6(8), 6897-6928. (impact factor) 3.180).
9. Dragozi E.; Ioannis Z. Gitas ; Dimitris G. Stavrakoudis ; C. Minakou; Burn severity estimation using GeoEye imagery, object-based image analysis (OBIA), and Composite Burn Index (CBI) measurements. Proc. SPIE 9535, Third International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2015), 953515 (June 19, 2015); doi:10.1117/12.2193149.
10. Galidaki, G., Dragozi, E., Polychronaki, A., Tompoulidou, M., Dimitrakopoulos, K., Minakou, Ch., Vrania E., Meliadis, M., Karydas Ch., Gitas, I.,2013. Development of a methodology for mapping and monitoring landcover and landcover changes at

national level. 16o Pan-Hellenic Forestry Conference, Thessaloniki, 6-8 October.

11. Dragozi, E., Gitas, I. Z., Stavrakoudis, D.G., Theocharis, J.B. 2012. Burned area mapping using very high resolution IKONOS imagery and Support Vector Machines. Proceedings of the NASA Science Meeting, GOFC-GOLD and NEESPI Workshop and Regional Conference: Impacts of Extreme Weather on Natural, Socio-economic and land-use systems: Focus on the 2010 summer anomaly in the Volga Region, Yoshkar-Ola, Russia, 17-22 June. pp: 6 – 14.
12. Dragozi, E., Tompoulidou,M., Gitas, I. Z., 2012 Forest Mapping and Forest Cover change detection in a Mediterranean area using coarse resolution data and advanced image analysis techniques. 32nd EARSeL Symposium and 36th General Assembly, Mykonos 21st-24th May 2012.
13. Manakos,I., Gitas, I., Schardt, M., Kalaitzidis,C., Dragozi ,E., Gallaun, H. 2012. Evaluating the Potential of the PROBA-V Sensor in Estimating Forest Cover Change Over a Range of European Biogeographical Regions: The FM@PROBA-V Project.32nd EARSeL Symposium and 36th General Assembly, Mykonos 21st-24th May 2012.
14. Dragozi, E., Gitas, I. Z., Stavrakoudis, D.G., Theocharis, J.B. 2011. A performance evaluation of Support Vector Machines and the Nearest Neighbor classifier in classifying image objects for burned area mapping. In Jesus San-Miguel Ayanz, Ioannis Gitas, Andrea Camia, Sandra Oliveira (Eds.) Proceedings of 8th International Workshop of the European Association of Remote Sensing Laboratories (EARSeL) Special Interest Group (SIG) on Forest Fires : Advances in RS and GIS applications in Forest Fire Management from local to global assessment, Stresa, Italy, 20-22 October. pp : 84-89
15. Korakaki, E., Gitas, I., Maragkou, P., Kalevra, N., Kordopatis, P., Liarikos, K., Zografou, K., Polychronaki, A., Galidaki, G., Dimitrakopoulos, K., Tompoulidou, M., Meliadis, M., Minakou, Ch., Dragozi, E. (2010). Mapping of the main types of land cover and changes over time. 5th Greek Ecological Conference.
16. Stefanidou A., Dragozi E., Tompoulidou M., Gitas I. Z.: Forest/Non Forest Mapping Using Landsat Thematic Mapper Imagery And Artificial Neural Networks (ANNs).
17. Dionisis Grigoriadis, Ioannis Z. Gitas, Thomas Katagis, Eleni Dragozi Using remote sensing and GIS to assess carbon dioxide emission post-fire. Proceedings of 10th International Workshop of the European Association of Remote Sensing Laboratories (EARSeL) Special Interest Group (SIG): Sensors, Multi-sensor integration, large volumes: New opportunities and challenges in Forest Fire Research, 2-5 November Limassol; /2015.

Projects – Acting as Coordinator or PI/Partner

No participation

Projects – Participation as Researcher

- «National Observatory of Forest Fires (NOFFi)»-2014-2016, PI: I. Z. Gitas.
- «National Observatory of Forests (NOF)»-2014-2016, PI: I. Z. Gitas.
- «Mediterranean fuel maps geodatabase for wildland & forest fire safety»-ARCFUEL (LIFE10 ENV/GR/617) - 2013-2013, PI: I. Z. Gitas.

- «Forest cover changes monitoring with PROBA-V: Potential and limitations on European terrain», 2011-2012, PI: I. Z. Gitas.
- «Validation of the cartographic products of the FAO project titled "Assessment of the Global Forest Resources using Remote Sensing and the JRC Validation Tool (2010)», 2010-2011, I. Z. Gitas.
- «Forests Future»-WWF HELLAS, 2010-2011, PI: I. Z. Gitas.