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Year of birth 1972

Nationality Greek

EDUCATION – QUALIFICATIONS

- 2004 - 2006 **Postdoctoral research** in monitoring vegetation status using mid-low resolution remotely sensed imagery. This research is conducted within the collaboration of the Remote Sensing and GIS laboratories of the School of Agriculture, and the School of Forestry and Natural Environment of Aristotle University of Thessaloniki, Greece. Partially funded by the European Social Fund – European Commission.
- 1999 - 2003 **PhD** in Remote Sensing and GIS applications in agriculture and hydrology. Lab of Remote Sensing and GIS, Faculty of Agronomy, Aristotle University of Thessaloniki, Greece. Thesis title: ‘Scale influence in the estimation of water and vegetation parameters using remote sensing and GIS techniques’.
- 1995-1996 **Masters degree** in Applied Remote Sensing, Silsoe College, Cranfield University, UK. Thesis title: ‘Terrain and soil influences on ERS-1 SAR images’.
- 1989-1995 **First degree** in the Faculty of Agronomy, Aristotle University of Thessaloniki, Greece. Orientation chosen: Irrigation, Soil Science and Mechanical Engineering. Thesis title: ‘Crop distinction with Remote Sensing in the alluvial valley of Thessaloniki’.

PROFESSIONAL EXPERIENCE

- 2012 - present Lecturer in the Lab of Remote Sensing and GIS, School of Agriculture, **Aristotle University of Thessaloniki**. Duties: teaching undergraduate and postgraduate courses, supervise theses, managing research projects.
- 2004 - 2011 Post-doctoral researcher in the Lab of Remote Sensing and GIS, School of Agriculture, **Aristotle University of Thessaloniki**. Duties: writing research proposals and research reports, co-supervising research projects, writing scientific publications, co-supervising theses, and teaching assistant.

- 2003 - 2010 Part time lecturer in **Technical University of Serres**. Teaching “Remote sensing and photo interpretation” and supervisor of several theses.
- 2001 International consultant in the **International Water Management Institute, Sri Lanka** (a CGIAR member, www.iwmi.org). Duties: participation in research projects, digital image processing, geographic analysis, writing reports and scientific publications.
- 1999 - 2003 Scientific collaborator in **TRIAS S.A. Consulting**, Department of GIS and Land Survey, Thessaloniki, Greece (www.trias.gr). Supervisor of the department since Nov 2000. Duties: GIS database design and analysis, data model development, Arc/Info programming, data quality control, automated map production, group management, proposal and report writing.
- 1999 International consultant in the **International Water Management Institute, Pakistan** (a CGIAR member, www.iwmi.org). Duties: participation in research projects, digital image processing, geographic analysis, and writing reports.
- 1996-2003 Research Assistant in the Lab of Remote Sensing and GIS, Faculty of Agronomy, **Aristotle University of Thessaloniki**. Duties: writing research proposals and research reports, digital image processing, geographic analysis, participation in research projects, writing scientific publications, and teaching assistant.

SELECTED RESEARCH PROJECTS

- 2011-2013 "Merging remote sensing and hydrological models for reliable information on water". FP-7 research project awarded by the EC.
- 2008-2009 "Agricultural water use estimation in Mediterranean river basins using Earth Observation". Contracted by the European Space Agency.
- 2005-2006 "Mapping environmental parameters in a protected area using remote sensing and fuzzy neural networks". Awarded by the Greek Ministry of Education, partially funded by the European Social Fund – European Commission.
- 2007 "Valuation of irrigation water in Strimonas and Tyrnavos basins". Contracted by the Hellenic Ministry of Agriculture and Food through OMIKRON Ltd.
- 2006 "Definition and specialisation of common protocol and database for monitoring the quality and quantity of surface waters and the status of Strimonas river". Contracted by the Region of Central Macedonia.
- 2004-2006 "Integrated System for the promotion of Territorial / Environmental Impact Assessment in the frame of spatial development (ISOTEIA)". INTERREG IIIB CADSES, ARCHIMED.
- 2003-2006 "Monitoring Ramsar wetlands in Greece using remote sensing". Contracted by the Greek Ministry of Environment.
- 2003 "Assessment of use of satellite imagery and GIS to control the farmer’s declarations in the Prefecture of Larissa". Contracted by the Greek Organization for Farmer’s Compensation Control (OPEKEPE).
- 2002-2003 "Assessment of super-high resolution satellite imagery for control of farmers subsidies declarations". Contracted by the Greek Organization for Farmer’s Compensation Control (OPEKEPE).

RECENT SCIENTIFIC PUBLICATIONS

1. Alexandridis, T.K., Katagis, T., Gitas, I.Z., Silleos, N.G., Eskridge, K.M., and Gritzas, G., 2010. Investigation of aggregation effects in vegetation condition monitoring at a national scale. *International Journal of Geographical Information Science*, 24(4):507-521.
2. Alexandridis, T.K., Cherif, I., Chemin, Y., Silleos, G.N., Stavrinou, E., Zalidis, G.C., 2009. Integrated methodology for estimating water use in Mediterranean agricultural areas. *Remote Sensing*, 1(3):445-465.
3. Alexandridis, T.K., E. Lazaridou, A. Tsirika, and G.C. Zalidis, 2009. Using Earth Observation to update a Natura 2000 habitat map for a wetland in Greece. *Journal of Environmental Management*, 90(7):2243-2251.
4. Crisman T.L., Takavakoglou V., Alexandridis T., Antonopoulos V., and Zalidis G., 2009. Rehabilitation of abandoned saltworks to maximize conservation, ecotourism and water treatment potential. *Global NEST Journal (Network for Environmental Science and Technology)*, 11(1):24-31.
5. Alexandridis, T.K., C.A. Topaloglou, E. Lazaridou, and G.C. Zalidis, 2008. The performance of satellite images in mapping aquacultures. *Ocean and Coastal Management*, 51:638-644.
6. Alexandridis, T.K., G.C. Zalidis, and N.G. Silleos, 2008. Mapping irrigated area in Mediterranean basins using low cost satellite Earth Observation. *Computers and Electronics in Agriculture*, 64(2):93-103.
7. Mitrakis, N.E., C.A. Topaloglou, T.K. Alexandridis, J.B. Theocharis, and G.C. Zalidis, 2008. Decision fusion of GA self-organizing neuro-fuzzy multilayered classifiers for land cover classification using textural and spectral features. *IEEE Transactions on Geoscience and Remote Sensing*, 46(7):2137-2152.
8. Mitrakis, N.E., C.A. Topaloglou, T.K. Alexandridis, J.B. Theocharis and G.C. Zalidis, 2008. A novel self-organizing neuro-fuzzy multilayered classifier for land cover classification of a VHR image. *International Journal of Remote Sensing*, 29(14):4061-4087.
9. Alexandridis, T.K., I.Z. Gitas, and N.G. Silleos, 2008. An estimation of the optimum temporal resolution for monitoring vegetation condition on a nationwide scale using MODIS/Terra data. *International Journal of Remote Sensing*, 29(12):3589-3607.
10. Alexandridis, T.K., V. Takavakoglou, G.C. Zalidis, and T.L. Crisman, 2007. Remote sensing and GIS techniques for selecting a self-sustainable scenario for Lake Koronia. *Environmental Management*, 39(2):278-290.
11. Alexandridis, T., E. Lazaridou, C. Topaloglou, and G. Zalidis, 2006. Remotely Sensed Baseline Data for Monitoring the Protected Wetland of Delta Axios-Loudias-Aliakmonas. *Fresenius Environmental Bulletin*, 15(9b):1161-1167.