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Profile

George Zalidis is a graduate of the Department of Agriculture at the Aristotle University of Thessaloniki, with a doctorate degree from the Department of Soil Science and a post-doctoral degree from the Department of Civil and Environmental Engineering at Michigan State University.

He is an Emeritus Professor of Soil Pollution and Degradation and a member of the Laboratory of Remote Sensing, Spectroscopy and Geographic Information Systems at the Department of Agriculture, Aristotle University of Thessaloniki. He has also been Director of the Interbalkan Environment Center (i-BEC) since 2007 and currently serves as the First Vice President of the Board of Directors of O.P.E.K.E.P.E. In the leadership positions he has held to date, he has applied total quality management standards and principles, achieving assessed administrative outcomes.

His research interests focus on issues such as the use of Earth Observation (EO) Data to produce corresponding EO services in the GEO Social Benefits Areas and Sustainable Development Goals, implemented with the standardized GEO compatible methodologies globally, regionally and locally. His EO research activity includes the use of spectral data in monitoring Agricultural and Natural ecosystems, using NEXUS approach for their management and restoration. In addition, his research interest covers the sector of circular economy, through the development of carbon footprint protocols in primary production, composting, micro and macro algal cultivation.

His engagement with quality assurance protocols in Academia, Research, know-how transfer Organizations in all administrative positions served, nationally and internationally, including higher education Quality Assurance Accreditation, provided him with total quality managerial skills and experience to direct and manage related Institutions and Organizations. He has been expert and national representative, and member of international committees and councils, and also affiliated Professor in U.S. Universities. His vision is to bring together researchers, policy makers and public institutions with SMEs, exchanging know-how and experience, regionally and globally, thus strengthening economies and competitiveness, to provide solutions to administration and institutions and through quality management to ensure sustainability and after project support.

He has published 117 research articles in peer review journals (5098 citations, h-Index 41 and i-index 86, source: scholar.google.gr, 3265 citations, h-index 31, source: scopus.com), with over 80 oral presentations at conferences, in addition he has been coordinator or invited speaker in 14 of them, and numerous studies and technical reports. He has coordinated more than 150

research projects, and he is also a reviewer in many scientific journals. He has supervised over 10 doctoral theses at the Aristotle University of Thessaloniki and at Michigan State University.

Education

- **B.Sc. in Agriculture from Aristotle University of Thessaloniki (GREECE)** (1975-1980)
- **Ph.D. in Soil Physics from Michigan state University (USA)** (1982-1987)
- **Post doctorate in Environmental Engineering from Michigan State University (USA)** (1987-1988)

Professional Positions

- ❖ **2024–Present – Emeritus Professor, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, Department of Agriculture, Division of Land Reclamation, Soil Science and Agricultural Engineering**
- ❖ **2025 – First Vice President of the Board of Directors of O.P.E.K.E.P.E.**
- ❖ **1995–2024 – Professor of Soil Pollution and Degradation (1995–2024), Director of the Laboratory of Applied Soil Science (2014–2018), Director of the Laboratory of Remote Sensing, Spectroscopy and Geographic Information Systems (2012–2024), Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, Department of Agriculture, Division of Land Reclamation, Soil Science and Agricultural Engineering**
- ❖ **1988-1990 - Assistant Professor, Department of Civil and Environmental Engineering, Michigan State University**
- ❖ **2017-2020 - Member and Vice President** (since 2019) of the Board of the Hellenic Quality Assurance and Accreditation Agency (HQA)
- ❖ **2012-2016 - Member of the Board of Trustees, Aristotle University of Thessaloniki**
- ❖ **2012-2013 - Vice Chairman, Aristotle University of Thessaloniki, School of Agriculture**
- ❖ **2018-present - Member of the Board, Aristotle University of Thessaloniki, Interdisciplinary Center for Agriculture and Food Science (KEAGRO)**
- ❖ **2007-present – Scientific Coordinator, Interbalkan Environment Center (i-BEC)**
- ❖ **2016-present - Member of Advisory Board of GEOGLAM GEO Initiative, National Representative of the Greek Ministry of Agriculture, Rural Development and Food**
- ❖ **2016-present - Member of the High Level Working Group, DG Research and Innovation EU, for GEO (Group on Earth Observation)**
- ❖ **2003-2006 - Board Member of Management Authority, for the Protected Area of "Lakes Volvi and Koronia"**
- ❖ **1999-2002 - Member of the Scientific and Technical Review panel at the Ramsar Convention, representative of the European Union**
- ❖ **1991-2002 - Scientific Coordinator, Hellenic Center for Wetlands, Goulandris Natural History Museum**
- ❖ **1995-2007 - National Expert and Representative, Ministries of Environment, Energy and Climate Change, Ministry of Foreign Affairs and Ministry of Finance, in International Committees and EU committees**

Other Administrative – Coordinating – Research Positions

▶ **Expert –National Representative**

- European Habitat Directive (92/43) and Water Frame Work Directive (2000/60)
- Spanish Government to Restore the Guadalquivir River Delta (Donana Delta, Spain), 2001.
- Decentralized Administration of Macedonia - Thrace on issues of transboundary waters and catchment areas of Decentralized Macedonia - Thrace.

▶ **Affiliated Professor**

- George Mason University, Washington D.C., USA.
- University of Florida, Florida, USA.

▶ **Member of international Committees – Councils**

- Technical and Scientific Committee for the Rehabilitation of Mesopotamia Marches (CA, USA, 2003).
 - Member of the European Environment Agency Governing Council, Topic Center on Nature Conservation
 - Member of the Scientific Committee for the publication of the book "Soil Salinization and Alkанизation in Europe", special issue of the European Society for Soil Conservation
 - Council on the European Society for Soil Conservation Initiative (2001-2003).
 - Advisory Board member, Spatial Indicators for European Nature Conservation (SPIN) project, 2001-2004 (EC RTD Framework Program, 12 Partners).
 - Organizing and Scientific Committee of the International Conference "Balkan Lakes and Rivers - The Water Source of Life" (Thessaloniki October 2003).
 - Scientific Committee member, on the Initiative "Integration of European Wetland Research into Sustainable Water Cycle Management (EUROWET; Contract No: GOCE-CT-2003-505586)", European Union project Specific Support Action.
 - Coordination Committee member of the Technical Meeting on Wetlands Restoration, Global Biodiversity Forum (GBF), Valencia, Spain, 16-18 November 2002.
 - Research Committee Board Member of Aristotle University Of Thessaloniki, Greece (2011-2013).
 - Coordinating Committee of the National Thematic Network "Water and Sustainable Development" 2014 - 2017.
 - Coordinating Committee board member of the Global Dryland Ecosystem Program (Global-DEP), International Workshop and Committee meeting 2018, October 21-22, 2018, Beijing, China.
 - United Nations Sustainable Development Solutions Network SDSN Black Sea Board member, at Aristotle University of Thessaloniki, Greece, 2019-present.
 - Environmental Committee Board member, Aristotle University of Thessaloniki, Greece 2018 - 2019.
 - Coordinator of the Restoration master plans of lakes Karla and Koronia, 1994-2006, Greece.
- ▶ **Associate Professor**, Technological Educational Institute of Thessaloniki (1990 – 1995).
- ▶ **Assistant Researcher**, Departments: a) Soil Science and b) Civil Engineering and Environmental Engineering at Michigan State University (1982 - 1987).

Experience and Quality Standards

In the Educational, Research and Organizational positions served by Prof. Zalidis Nationally and Internationally, his primary concern is the implementation of specified and quantified indicators through the application of Standard Operational Procedures, to achieve total management quality.

Quality Standards in Education and Research

In educational and research positions, from the rank of Assistant Professor in U.S. (Michigan State) and Greek (Aristotle University of Thessaloniki) Universities, he coordinated educational processes, based on student targeted learning indicators, with ongoing evaluation by students and by fellow Professors. At Michigan State University, he set up and operated the chemical and biological laboratories of his areas of responsibility, accredited to their respective certified operating standards, while he had the scientific responsibility for the standardization of the environmental laboratory he coordinated, funded by NIEH (National Institute of Environmental Health, U.S.A.).

At Aristotle University of Thessaloniki, he coordinated the unification of 14 Laboratory Units of the University's agri-food sector in a consolidated form (Interdisciplinary Center for Agri-Food - KEAGRO), and as a member of its Board oversees its accreditation process with corresponding ISO standards.

As the Scientific Coordinator of the National Center for Biotopes and Wetlands (EKBY) he organized and standardized the Institution's first processes, participated in the founding of the new GAIA Goulandrís Natural History Museum, and was responsible for the creation of relevant laboratories and their operating standards.

As the Director of the Inter-Balkan Environmental Center, since 2007 he has the responsibility of accredited operation with an ELOT EN certificate ISO / IEC 17025: 2005 of the respective chemical laboratory, as well as the responsibility for monitoring in compliance with ISO 9001-15 standard operational procedures while maintaining Interoperability and Data sharing standards based on GEO principles.

Quality Standards in Organizational Management

Prof. Zalidis, as a member of the Advisory Board of the GEOGLAM initiative, participated in the coordination for forecasting the production of the four major crops in the context of global food security. In addition, he participates in the GSP (Global Soil Partnership) working group under the auspices of the FAO (Food and Agricultural Organization), which is responsible for defining the standardization of soil data collected from the Global Network of Soil Laboratories (GLOSOLAN), including all physical, chemical, biological and spectral (terrestrial and satellite) data, with full standardization of procedures to the standards of the OGC (Open Geospatial Consortium).

As Director of i-BEC he works to build GEO capacity in the Balkans and Middle East coordinating effective integration of existing EO capacities into GEOSS standards. Through his involvement on EuroGEOSS by implementing the e-shape project he ensures the downstream, without silos, transfer of EO services, building regional hyperspectral soils library, working closely with ESA to test new hyperspectral sensors. He fully exploits in collaboration with JRC the LUCAS spectra library, and under the auspices of Global Soil Partnership (GSP) FAO, working with many soil laboratories worldwide, on creating the first digital soil map of the globe. In his GEO capacity building projects he works with CEOS data cube to ensure interoperability and standardization when developing EO downstream services. In the Mediterranean basin he

works to sustain the MEDRIN network under the auspices of NASA organizing regional workshops to promote EO data and services, while working very closely with EO4SDGs supported by NASA, to bring access and interoperability of EO data to statistical offices of the Mediterranean and Balkan countries. In Collaboration with the GEO Secretary he organized the first GEO regional ministerial Balkan meeting in the region. He works closely with other EO participating organizations like Eurisy and OGC to promote the use and standardization of EO data and services.

As a member of the GEO High Level Working Group of the Directorate-General for Research and Innovation of the European Union, he is involved in the development of a strategy for the Copernicus and GEO Capacity Building Programs. He also has the opportunity to provide high level review, advice, recommendation and support in ongoing developments and implementations of GEOSS activities, fully compatible with GEO guidelines and interoperability principles.

As a coordinator of the Ramsar Convention's wetland restoration technical review panel, he was responsible for the strategy and guidelines that set out the corresponding standard specifications to be followed by the Convention's Member States. As an expert and representative of the Ministry of Foreign Affairs and the Ministry of Environment and Climate Change, he has been involved in the standardization of water quality and quantity data collection standards in transboundary river basins.

As a member of the Management Board of the protected area of Koronia-Volvi lakes, he was responsible for designing and implementing the restoration Master Plan of the protected area, participated in all national wetland restoration committees, and designed and implemented their monitoring standard protocols.

As an elected member at the Board of Trustees at Aristotle University of Thessaloniki Greece, he was responsible for developing the Institution's strategy and the Standard Operational Academic quality assurance procedures.

As Vice Chairman of the School of Agriculture of the Aristotle University of Thessaloniki, in collaboration with the President, he was responsible for the evaluation of the Curriculum, while he was responsible for the integration of the Laboratory Infrastructure, and for designing and implementing the appropriate indicators to evaluate and certify the School.

As a member of Hellenic Assurance and Accreditation Agency (HQA), he has been involved in the development of evaluation standards for higher education, the evaluation of new and old University Departments, and he has been responsible for recommendations to the Board of Higher Education for modifications in the Universities in the country. In addition, he was responsible for evaluating the fulfillment of the criteria of the five-year Engineering and Geotechnical Degree Programs leading to the Integrated Master's Degree, and assisted in the preparation for the higher Education Strategy of Greece.

Honorary Awards

- ✓ **National Foundation Scholarship**, Faculty of Agriculture and Forestry, Aristotle University of Thessaloniki, Greece, 1976-1980.
- ✓ **George Bouyoukos Fellowship**, for a Ph.D. degree at Michigan State University, USA, 1981-1986.
- ✓ **International Directory of Distinguished Leadership**, 1991.

- ✓ **European Academy of Sciences**, 2003.
- ✓ **Aristotle Excellence Award** for the Greatest Number of Grants at Aristotle University Thessaloniki, Greece.2015- 2017.
- ✓ **Distinguished International Visitor**, United States Intelligence Agency, 1996

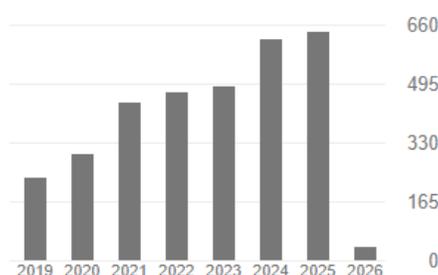
Invited Speeches – Scientific and Technical Coordination of International Meetings

1. Coordinator of workshops on the identification of wetlands and the designation of protected areas (24 June 1992) and on the inventory and evaluation of Greek wetlands (26-27 May 1993).
2. Invited speaker to the Black Sea Conference (Religion, Science and the Environment. Symposium II. The Black Sea in crisis - organized by the Ecumenical Patriarchate and the European Union) (1998).
3. Scientific Advisor of the Greek Delegation at the 8th Meeting of the Members of the Ramsar Convention, Valencia, Spain, 18-26 November 2002.
4. Invited speaker to the UN International Conference on the Formal Launch of the UN Decade for Sustainable Development Education in the Mediterranean. (Athens November 26-27, 2005)
5. Co-organization and participation in the Round Table, 5th GEOBIA Conference, 21-24 May 2014, Thessaloniki.
6. Invited on the meeting to establish the GLOSOLAN network: "Establishment of the International Network of Soil Information Institutions" by FAO (Food and Agriculture Organization) Headquarters, 8-10 December 2015, Rome.
7. Official invitation by the US Department of Agriculture's Research Service to participate in the "Workshop on Proven Solutions to Drought Stress", January 12-13, 2016, Modesto, CA, USA.
8. Invited Speaker and Joint Presentation with Ms. B. Ryan, General Director of GEO, at the Defense Geospatial Intelligence Conference (DGI 2016), January 20-21, 2016, London, United Kingdom.
9. Invited Speaker at Sustainable Development Goals, GEO Plenary XIII Side Event (organized by NASA) November 8, 2016, St. Petersburg, Russia.
10. Invited Speaker at PA51C Earth Science in Service to the Sustainable Development Goals. American Geophysical Union. December 12-16, 2016.
11. Invited Speaker at the Defense Geospatial Intelligence Conference (DGI 2017), January 23-25, 2017, London, United Kingdom.
12. Invited Speaker at the 'Ilan Ramon Conference and the Maritime Workshop in Israel - Mediterranean Sea', January 31, 2017 in Hersiliya, Israel.
13. Vice-President of the 102nd OGC Technical Committee, Delft, The Netherlands, March 23, 2017.
14. Invited Speaker at the "Delphi Economic Forum 2019", in the "The Conditions for Transforming Greece as a European Digital Hub" Section, Delphi, 28 February - 3 March 2019
15. Coordination of the 1st Round Table for the Development of a Strategy for the Achievement of the Sustainable Development Goals in the Balkans, Vlasti Kozani, 17 June 2019.

Research Activity

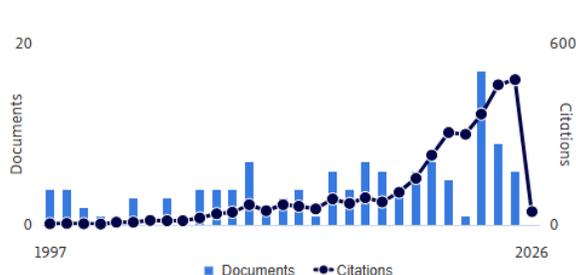
To date he has been Scientific Coordinator in over 150 National Projects, European (FP5, FP7, HORIZON 2020, Horizon Europe), Co-funded Projects (LIFE, ARCHIMED, Territorial Cooperation Projects, EEA, BlackSea, InterregMED, BalkanMED) and Private Entity Projects.

	All	From 2021
Quotations	5098	2705
h-index	41	23
i10-index	86	52



Source: scholar.google.gr

Document & citation trends



Source: scopus.com

His published work to date includes 117 publications in peer review journals, 7 books and 9 chapters in books, 80 oral presentations in conferences, and numerous studies and technical reports. He is also a reviewer in many scientific journals. He has coordinated more than 200 research projects in USA, Europe and in Greece. He was the scientific coordinator of the restoration plan of lakes Karla and Koronia of Greece.

Published Research Work

I. PUBLICATIONS IN SCIENTIFIC MAGAZINES

1. Zalidis, G., M.D. Annable, R.B. Wallace, N.J. Hayden, and T.C. Voice 1991. A laboratory method for studying the aqueous phase transport of dissolved constituent from residually held NAPL in unsaturated soil columns. *Journal of Contaminant Hydrology* 8:143-156.
2. Zalidis, G., and R.J. Kunze. 1994. Differences of water retention curves obtained through capillary rise and steady-state equilibrium experiments. *Water Resources Management* 8:89-99.
3. Veresoglou, D.S., J.T. Tsialtas, N. Barbayiannis and G.G. Zalidis. 1995. Caesium and strontium uptake by two pasture plant species grown in organic and inorganic soils. *Agriculture, Ecosystems and Environment* 56:37-42.
4. Veresoglou, D.S., N. Barbayiannis, G.G. Zalidis, S. Kalpakis and E. Batianis. 1995. Transfer factors for Sr as influenced by species Ca uptake and soil Ca availability. *Plant and Soil* 175:225-232.

5. Zalidis, G.C, and A. L. Mantzavelas. 1996. Inventory of Greek wetlands as natural resources. *Wetlands* 16: 548-556.
6. Veresoglou, D.S., N. Barbayiannis, T. Matsi, C. Anagnostopoulos and G.G. Zalidis. 1996. Shoot Sr concentrations in relation to shoot Ca concentrations and to soil properties. *Plant and Soil* 178:95-100.
7. Zalidis, G.C., EN. Fitoka, and A. L. Mantzavelas. 1997. Habitat inventory on two Greek wetlands. *Wetlands* 17: 439-446.
8. Zalidis, G.C., A.L. Mantzavelas, and Eleni Gourvelou. 1997. Environmental impacts on Greek wetlands. *Wetlands* 17: 339-345.
9. Zalidis, G.C., X. Dimitriadis, B. Antonopoulos, and A. Gerakis. 1997. Estimation of a network irrigation efficiency to cope with reduced water supply. *Irrigation and Drainage Systems* 11: 337-345.
10. Kaiser, C., Zalidis, G., Gerakis, A. 1997. Hydrological modeling of the Karla watershed to analyze groundwater depletion and restore pre-existing wetland functions. Proceedings of the European Water Resources Association Conference. Copenhagen, Denmark, 3-6 September 1997.
11. Zalidis, G. 1998. Management of river water for irrigation to mitigate soil salinization on a coastal wetland. *Journal of Environmental Management* 54 Issue 2: 161-167.
12. Gerakis, A., G.C. Zalidis. 1998. Estimating field-measured, plant extractable water from soil properties: Beyond statistical models. *Irrigation and Drainage Systems* 12: 311-322.
13. Gerakis, A., P. Saratsis, G.C. Zalidis and S. Sakellariadis. 1998. Measurement of aqueous phase transport of residually held benzene in Greek soils. *Bulletin of Environmental Contamination and Toxicology* 60: 119-125.
14. Zalidis, G.C., R. B. Wallace, and T. C. Voice. 1998. Influence of initial water saturation on the residual saturation of an organic liquid in the vadose zone. *Water Resources Management* 12: 81-93.
15. Zalidis, G.C., N. Barbayiannis, and Theodora Matsi. 1999. Forms and distribution of heavy metals in soils of Axios delta of Northern Greece. *Communications in Soil Science and Plant Analysis* 30: 817-827.
16. Zalidis, G.C., and A. Gerakis. 1999. Evaluating sustainability of watershed resources management through wetland functional analysis. *Environmental Management* 24:193-207.
17. Al-Khudhairy, D.H.A., C. Leemhuis, V. Hoffmann, R. Calaon, I.M. Shepherd, J.R. Thompson, H. Gavin, D. Gasca Tucker, H. Refstrup Sorenson, A. Refsgaard, G. Bilas, and G. Zalidis. 2000. pp 491-494. Innovative technologies for scientific wetland management, conservation and restoration. *International Association of Hydrological Sciences (IAHS)*. Publ. 267, 491-494.
18. Al-Khudhairy DHA, C. Leemhuis, V. Hoffmann, I.M. Shepherd, R. Calaon, J.R. Thompson, H. Gavin, D.L. Gasca-Tucker, G. Zalidis, G. Bilas, D. Papadimos. 2002. Monitoring wetland ditch water levels using landsat TM and ground-based measurements. *Photogrammetric engineering and remote sensing*. 68 : 809-818.
19. Zalidis, G., S. Stamatiadis, V. Takavakoglou, K. Eskridge, N. Misopolinos. 2002. Impacts of agricultural practices on soil and water quality in the Mediterranean region and proposed assessment methodology. *Agriculture, Ecosystems and Environment*, 88: 137-146.
20. Zdragas, A., G. Zalidis, V. Takavakoglou, Sotiria Katsavouni, E.T. Anastasiadis, K. Eskridge, and A. Panoras. 2002. The effect of environmental conditions on the ability of a constructed wetland to disinfect municipal wastewater. *Environmental Management* 29: 510-515.
21. Mitraki, C., T.L. Crisman, and G.C. Zalidis. 2004. Lake Koronia, Greece: Shift from autotrophy to heterotrophy with cultural eutrophication and progressive water-level reduction. *Limnologica* 34:110-116.
22. Zalidis, G.C., Maria A. Tsiafouli, V. Takavakoglou, G. Bilas, and N. Misopolinos. 2004. Selecting Agri-environmental indicators to facilitate monitoring and assessment of EU agri-environmental measures effectiveness. *Journal of Environmental Management*. 70:315-321.

23. Zalidis, G.C., V. Takavakoglou, A. Panoras, G. Bilas, and Sotiria Katsavouni. 2004. Re – establishing a sustainable wetland at former lake Karla, Greece, using Ramsar restoration guidelines. *Environmental Management*. 34:875-886.
24. Crisman, T. L., Chrysoula Mitraki, and G. Zalidis. 2005. Integrating vertical and horizontal approaches for management of shallow lakes and wetlands. *Ecological Engineering* 894:1-11.
25. Topaloglou, C.A., Alexandridis, T.K., Lazaridou, E., Zalidis, G.C.. 2006. Assessment of GlobWetland products for monitoring aquacultures in a greek coastal wetland. European Space Agency, (Special Publication) ESA SP-634.
26. Alexandridis, T.K., Lazaridou, E., Tsirika, A., Zalidis, G.C.. 2006. Using GlobWetland products for updating a wetland's natura 2000 habitats map. European Space Agency, (Special Publication) ESA SP-634.
27. Fernandez-Prieto, D., Arino, O., Borges, T., Davidson, N., Finlayson, M., Grasßl, H., MacKay, H., Prigent, C., Pritchard, D., Zalidis, G.. 2006. The GlobWetland symposium: Summary and way forward. European Space Agency, (Special Publication) ESA SP-634.
28. Alexandridis T., T. Lazaridou, C. Topaloglou, G. Zalidis. 2005. Remotely sensed baseline data for monitoring the protected wetland of delta Axios – Loudias – Aliakmonas. *Fresenius Environmental Bulletin* 15(9), 2006.
29. Alexandridis T., V. Takavakoglou, G. 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
30. Antoniadis, A., V. Takavakoglou, G. Zalidis, and I. Poullos. 2007. Development and evaluation of an alternative method for municipal wastewater treatment using homogeneous photocatalysis and constructed wetlands. *Catalysis Today* Vol. 124, pp. 260-265.
31. N. Papadopoulos, E. Gikas, Zalidis G. and A. Tsarbopoulos. 2007. Simultaneous determination of terbuthylazine and its major hydroxy and dealkylated metabolites in aquatic samples using solid phase extraction and high performance liquid chromatography with diode-array detection. *Journal of Agricultural and Food Chemistry*. 55, 7270-7277.
32. Mitrakis, N.E., Topaloglou, C.A., Alexandridis, T.K., Theocharis, J.B., Zalidis, G.C.. 2007. A neuro-fuzzy multilayered classifier for land cover image classification. 2007 Mediterranean Conference on Control and Automation, MED. Athens, 27-29 July 2007.
33. Mitrakis, N.E., Topaloglou, C.A., Alexandridis, T.K., Theocharis, J.B., Zalidis, G.C.. 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, pp 2137-2152.
34. Alexandridis, T.K., Topaloglou, C.A., Lazaridou, E., Zalidis, G.C. 2008. The performance of satellite images in mapping aquacultures. *Ocean and Coastal Management* 51, pp 638-644.
35. Mitrakis, N.E., Topaloglou, C.A., Alexandridis, T.K., Theocharis, J.B., Zalidis, G.C.. 2008. A novel self-organizing neuro-fuzzy multilayered classifier for land cover classification of a VHR image. *International Journal of Remote Sensing* 29, 14, pp 4061-4087.
36. Alexandridis, T.K., Zalidis, G.C., Silleos, N.G.. 2008. Mapping irrigated area in Mediterranean basins using low cost satellite Earth Observation. *Computers and Electronics in Agriculture* 64, 2, pp 93-103.
37. 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.
38. Alexandridis, T.K., E. Lazaridou, A. Tsirika, and G.G. 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.
39. Vogiatzis, M., Karydas, C., Alexandridis, T., Zalidis, G., Silleos, N.. 2009. An object-based approach for wetland habitats inventory and assessment using ALOS AVNIR-2 and field data. European Space Agency, (Special Publication) ESA SP-664.
40. Alexandridis, T.K., Chemin, Y., Cherif, I., Tsakoumis, G., Galanis, G., Arampatzis, G., Zalidis, G.C., Silleos, N.G., Stavrinou, E.. 2009. Improving spatial resolution of agricultural

- water use estimation using ALOS AVNIR-2 imagery. European Space Agency, (Special Publication) ESA SP-664.
41. Alexandridis, T.K., Topaloglou, C.A., Pardalis, I., Tsakoumis, G., Vogiatzis, M., Andrianopoulos, A., Takavakoglou, V., Vougioukas, S., Bochtis, D., Zalidis, G.C., Silleos, N.G.. 2009. Monitoring indicators for mediterranean wetland and agricultural area using ALOS data. European Space Agency, (Special Publication) ESA SP-664.
 42. Alexandridis T., I. Cherif, Y. Chemin, G. Silleos, E. Stavrinos and G. Zalidis. 2009. Integrated methodology for estimating water use in Mediterranean agriculture areas. *Journal of Remote Sensing* 2009, 1, pp 445-465.
 43. Papadopoulos N., E. Gikas, G. Zalidis and A. Tsarbopoulos. 2009. Simultaneous determination of herbicide Terbutylazine and its major Hydroxy and Dealkylated metabolites in *Typha Latifolia* L. Wetland plant using SPE and HPLC-DAD. *Journal of Liquid Chromatography & Related Technologies*, 32:20, 2975 – 2992.
 44. Papadimitriou C. A., A. Papatheodoulou, V. Takavakoglou, A. Zdragas, P. Samaras, G. P. Sakellaropoulos, M. Lazaridou and G. Zalidis. 2010. Investigation of protozoa as indicators of wastewater treatment efficiency in constructed wetlands. *Desalination* 250, p. 378-382.
 45. Antoniadis A., V. Takavakoglou, G. Zalidis, E. Darakas, I. Poullos. 2010. Municipal wastewater treatment by sequential combination of photocatalytic oxidation with constructed wetlands. *Catalysis Today*, Vol. 151, no 1-2, 114-118
 46. D.G. Stavrakoudis, J. B. Theocharis and G. G. Zalidis. 2011. A boosted genetic fuzzy classifier for land cover classification of remote sensing imagery. *ISPRS Journal of photogrammetry and remote sensing*, Vol 66, No. 4, pp. 529-544, July 2011
 47. Buzás, Z., Brilly, M., Koren, S., Novak, J., Engi, Z., Mosello, R., Bertoni, R., Guilizzoni, P., Gletsos, M., Perennou, C., Stefouli, M., Charou, E., Kouraev, A., Stamos, A., Skoulikaris, C., Monget, J., Ganoulis, J., Ndini, M., Demiraj, E., Chronis, I., Lazaridou, M., Lazaridou, E., Alexandridis, T.K., Zalidis, G., Tsotsolis, N., Andredaki, M., Hrisanthou, V., Kotsovinos, N., Babkin, A.V.. 2011. Transboundary Lakes and Rivers. *In: Transboundary Water Resources Management: A Multidisciplinary Approach*, pp 155-219.
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