



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **GEORGIOS ZALIDIS**  
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E-mail zalidis@agro.auth.gr  
Nationality Greek  
Date of birth 16/07/1957  
Gender Male

**Desired employment /  
Occupational field** **Professor of Soil pollution and degradation**

### Current Position

**Council Member**, Aristotle University of Thessaloniki  
**Director of the Laboratory of Remote Sensing and G.I.S.**, Aristotle University of Thessaloniki, Faculty of Agriculture.  
**Scientific Director**, Interbalkan Environment Center (I-BEC)  
**Special Expert – Representative of the Special Secretariat for Water**, Hellenic Republic, Ministry of Environment, Energy and Climate Change.

### Work experience

Dates	1995 - present
Occupation or position held	Professor
Main activities and responsibilities	Teaching at undergraduate and graduate levels. Supervising M.Sc. and Ph.D. candidates. Writing proposals, reports, scientific publications and books. Scientific responsible and co-operator in research projects relevant to soil pollution, soil quality and sustainability, bioremediation of degraded areas, restoration and rehabilitation of wetland ecosystems, wetland inventory and mapping. Collaboration with European Universities, participation in international conferences, Visiting Professor at National and International Institutes, Member of Scientific Committees.
Name and address of employer	Aristotle University of Thessaloniki, Faculty of Agriculture, Laboratory of Remote Sensing and GIS, P.O. Box 259, 54124, Thessaloniki, Greece
Type of business or sector	Research / academic institution
Dates	1991 - 1994
Occupation or position held	Senior Scientist
Main activities and responsibilities	Writing proposals, reports and scientific publications. Scientific responsible and cooperator in research projects.
Name and address of employer	Greek Biotope / Wetland Centre, 14 <sup>th</sup> km of Thessaloniki – Michaniona, Thermi, Thessaloniki, Greece
Type of business or sector	Research / academic institution

### Teaching experience

Dates 1991 - 1995  
 Occupation or position held Professor of Soil Science  
 Main activities and responsibilities Teaching at undergraduate levels. Supervising diplomas.  
 Name and address of employer Technological Institute of Thessaloniki, 57400 Sindos, Thessaloniki, Greece  
 Type of business or sector Research / academic institution

Dates 1988 - 1990  
 Occupation or position held Visiting Assistant Professor of Soil Pollution  
 Main activities and responsibilities Teaching at undergraduate levels. Supervising diplomas.  
 Name and address of employer Department of Civil and Environmental Engineering, Michigan State University, 000 W Akers Hall, East Lansing MI 48825 – 1304, United States of America  
 Type of business or sector Research / academic institution

### Education and training

Dates 1987 – 1988  
 Title of qualification awarded Post Doctoral Studies  
 Principal subjects/occupational skills covered Environmental Engineering  
 Name and type of organisation providing education and training Michigan State University, USA  
 Level in national or international classification ISCED 6

Dates 1982 – 1987  
 Title of qualification awarded Ph.D.  
 Principal subjects/occupational skills covered Soil Physics  
 Name and type of organisation providing education and training Michigan State University, USA  
 Level in national or international classification ISCED 6

Dates 1975 – 1980  
 Title of qualification awarded B.Sc.  
 Principal subjects/occupational skills covered Agronomy  
 Name and type of organisation providing education and training School of Agronomy, Aristotle University of Thessaloniki, Greece.  
 Level in national or international classification ISCED 5A

### Personal skills and competences

Mother tongue(s) Greek

Other language(s) English, French

Self-assessment

*European level (\*)*

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
B1	B1	A2	A2	A2

(\*) *Common European Framework of Reference for Languages*

Social skills and competences	Member of national and International Scientific Committees, Published over 100 research articles, made over 40 oral presentations in conferences, participated in more than 50 research programs, supervised Ph. D. dissertations, receiver of a fellowship and 2 awards.
Organisational skills and competences	Project manager for more than 40 national and international research projects, author and co-author of more than 100 publications, collaboration with European Universities, organizing technical meetings and conferences.
Technical skills and competences	Experimental design, soil and water chemical analysis, field soil and water sampling, writing of scientific reports and publications
Computer skills and competences	Use of specialized software and hardware (digital image processing, statistical, GPS) Good command of most MS Office software.
Other skills and competences	
Driving licence	EU driving license, Category B.

### Additional information

#### Selected scientific publications

- Zalidis G., T. Crisman, V. Takavakoglou, T. Alexandridis and N. Tsotsolis. 2006. A management plan for Lake Koronia, Greece, leading to sustainable agriculture and ecosystem conservation. Proceedings of Protection and Restoration of the Environment VIII International Conference. 3-7 July 2006, Chania-Crete, Greece.
- Crisman T., V. Takavakoglou, T. Alexandridis, V. Antonopoulos and G. Zalidis. 2006. Rehabilitation of abandoned saltworks to maximize conservation, ecotourism and water treatment potential. Proceedings of the 1st International Conference on the Ecological Importance of solar saltworks. 20-22 October 2006, Santorini, Greece.
- Zalidis G. 2006. Description of the WETMUST project: Goals, objectives and expected benefits. Proceedings of the kick-off meeting for WETMUST project: "Integrated multiple level wetlands monitoring system using innovative technologies". 18 December 2006, Thessaloniki, Greece.
- 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
- Papadopoulos N., E. Gikas, G. Zalidis and A. Tsarbopoulos. 2007. Simultaneous determination of Terbutylazine and its Major Hydroxy and dealkylated metabolites in wetland water samples using solid-Phase extraction and high-performance liquid chromatography with diode-array detection. *Journal of Agricultural and food Chemistry* 55, p. 7270-7277.
- Gikas E., N. Papadopoulos, G. Zalidis and A. Tsarbopoulos. 2007. A new metabolite of Terbutylazine N2-tert-butyl-N4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine. (submitted)
- Papadopoulos N., E. Gikas, G. Zalidis and A. Tsarbopoulos. Simultaneous Determination of Terbutylazine and its major Hydroxy and Dealkylated Metabolites in *Typha latifolia* L. Wetland Plant using Solid-Phase Extraction and High Performance Liquid Chromatography with Diode-Array detection. (submitted)
- Karydas C., G. Zalidis, A. Tsatsarelis, N. Misopolinos and N. Silleos. 2008. Heterogeneity analysis on multiple scales: a new insight in Precision Agriculture. (submitted)
- Karydas C., I. Sarakiotis, G. Zalidis. Mapping risk of stream pollution risk by olive oil factories in Kolymvari, Crete: emphasising multi-level assessment in a case-based approach.
- Karydas C., I. Gikas, N. Silleos, G. Zalidis, N. Misopolinos. Development of an object-based classification model for mapping complex Mediterranean agricultural landscapes. *International Journal of Remote Sensing*. (submitted)
- Zalidis G., M. Bogiatzis. 2008. An object-oriented approach for wetland habitats inventory

and assessment using ALOS AVNIR-2 and Unmanned Aerial Vehicle (UAV) data. Proceedings of the ALOS PI Symposium 2008. 3-7 November 2008.

- Zalidis G. 2008. Ensuring the Sustainable Reuse of Wastewater for Agricultural Irrigation in SemiArid/Arid Regions. Proceedings of the BSF Funded Workshop. 8-13 November 2008, Haifa, Israel.
- Crisman, T.L., G.C. Zalidis and V. Takavakoglou. 2009. Assessing ecological value of abandoned, active and restored solar saltworks. Second International Conference on the Ecological Importance of Solar Saltworks. Meridia, Mexico
- 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.
- Antoniadis A., V. Takavakoglou, G. Zalidis, E. Darakas and I. Poullos. 2010. Municipal wastewater treatment by sequential combination of photocatalytic oxidation with constructed wetlands. Catalysis today. (in press)
- 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.
- Papadopoulos N. And G.C. Zalidis. 2011. Degradation and dissipation study of herbicide Terbutylazine and its major metabolites in wetland sediment substrates. Desalination and Water Treatment Journal 11.
- D.G. Stavrakoudis, J. B. Theocharis and G. C. 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
- D.G. Stavrakoudis, J. B. Theocharis and G. C. Zalidis. 2011. A boosted genetic fuzzy classifier for land cover classification from satellite imagery. Software Computers, Vol 15, No. 12, pp. 2355-2374, December 2011.
- Gophen M., T. L. Crisman and G. C. Zalidis. 2012. Charting a course for ecosystem services in Lake Kinneret, Israel. Sil News, Volume 61, December 2012.
- Giantsi A.M., G. Zalidis, I. Zaharias, E. Pana, V. Takavakoglou. Identification, typology and environmental assessment of water bodies at Mygdonia basin.
- Armenakis C., N. Nirupama, G. Zalidis and T. Alexandridis. 2013. Degradation of Coastal Wetlands using Examples from Greece and Canada: A Review. International Journal of Ecology & Development.
- Monachou S., T.K. Alexandridis, E. Kalopesa, C. Topaloglou, A. Antoniadis, G.C. Zalidis and N. Misopolinos. 2013. Remotely sensed time series of Chlorophyll- $\alpha$ , total suspended matter and sea surface temperature for monitoring water quality of Thermaikos gulf (Greece) (in press).
- Alexandridis T. K. , A. Panagopoulos, G. Galanis, I. Alexiou, I. Cherif, Y. Chemin, E. Stavrinou, G. Bilas & G. C. Zalidis. 2013. Combining remotely sensed surface energy fluxes and GIS analysis of groundwater parameters for irrigation system assessment. Journal of Irrigation Science Vol 32 No2, March 2014.

## Selected research projects

- "Joint reference strategies for rural activities of reduced inputs (AGROLESS)" 12/13 – 10/15
- "Fostering the use of low temperature geothermal sources through the development of operational exploitation guidelines and green energy solutions of enterprising (ENERGEIA)", 10/13 – 08/15
- "Recycling of organic waste and green entrepreneurship in the urban web to secure public health (SAFE WASTECYCLE)", 11/12 – 01/15
- "Common support structures for the quality monitoring of water resources and the protection of public health (SAFE-WET)", 11/12 – 05/14
- "Feasibility study and technoeconomic analysis for the program: "Common strategies of guided use of rural activities for the application of precision agriculture with decreased funds" ,for the financial submission within the frame of strategic works invitation of the European Territorial Collaboration: "Greece-Bulgaria 2007-2013" program", 12/11 – 02/12
- "Merging Hydrologic models and EO data for reliable information on Water (MyWater - FP7)", 01/11 – 12/13
- "Development and implementation of tools towards an integrated coastal zone management of Thermaikos gulf: pilot implementation in the west coastal zone: Actions of environmental

- monitoring and observatory establishment”, 04/09 – 04/11
- “Founding of Balkan Environment Center and development of feasibility study”, FORMAT S.A., 01/07 – 12/07
  - “Protecting rivers from accidental industrial pollution – RIVER SHIELD”, Region of Eastern Macedonia and Thrace, 10/06 – 01/07
  - “Development and implementation of common monitoring system for the quality and quantity of surface water and the condition of Strimonas River between Hellas and Bulgaria”, Region of Central Macedonia, 07/06 – 10/06
  - “Mapping environmental parameters in a protected area using remote sensing, fuzzy logic and neural networks”, Ministry of National Education and Religions, 04/05 – 12/06
  - “Integrated multiple level wetlands monitoring system using innovative technologies (WETMUST)”, European Union, 06/06 – 12/07
  - “Scientific support including specifications for parameters and methodology to be implemented, in the frame of transboundary integrated river basin management in the context of Interreg IIIA-Phare CBC Greece-Bulgaria”, Region of East Macedonia and Thrace, 04/05 – 04/06
  - “Expertise to the Ministry of Finances for updating the technical specifications of the integrated management of Axios – Doiran river basin in the context of INTERREG IIIA-CARDS GREECE-FYROM”, Ministry of Economy and Economics, 11/04 – 12/06
  - “Action Programme of A.U.TH. and Ministry of Environment Physical Planning and Public Works for the realization of Greek participation in Globe – Wetland Programme of the European Space Agency”, Ministry of Environment, Planning and Public Works, 04/03 – 3/06
  - “Monitoring of Axios – Loudias – Aliakmonas Delta using remote sensing”, Regulatory Organisation of Thessaloniki, 7/03 – 4/06
  - “European valuation and assessment tools supporting wetland ecosystem legislation (EVALUWET)”, European Union, 3/01 – 2/04
  - “Planning and implementation of conservation measures of Mediterranean Wetlands”, Goulandri Natural History Museum, 1/01 – 2/01
  - "System for HYdrology using Land Observation for model Calibration (SHYLOC)". RTD Program Environment and Climate. DG XII., European Union, 11/97 – 12/99
  - "Evaluation of a soil quality using wastewater treated water for crop irrigation". NATO project. In conjunction with University of Nebraska., NATO, 01/97 – 12/98