



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **ALEXANDRIDIS, Thomas**  
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E-mail thalex@agro.auth.gr  
Nationality Greek  
Date of birth 04/01/1972  
Gender Male

### Employment / Occupational field **Lecturer in remote sensing and GIS applications in agriculture**

#### Work experience

Dates January 2012 - present  
Occupation or position held Lecturer  
Main activities and responsibilities Writing proposals, reports, scientific publications. Project coordinator. Teaching at undergraduate and postgraduate levels.  
Name and address of employer Lab of Remote Sensing and GIS, Univ. box 259, Aristotle University, 54124 Thessaloniki, Greece  
Type of business or sector Research / academic institution

Dates October 2003 - December 2011  
Occupation or position held Post-doctoral researcher  
Main activities and responsibilities Writing proposals, reports, scientific publications. Junior project coordinator. Teaching at undergraduate and postgraduate levels.  
Name and address of employer Lab of Remote Sensing and GIS, Univ. box 259, Aristotle University, 54124 Thessaloniki, Greece  
Type of business or sector Research / academic institution

Dates March - July 2001  
Occupation or position held International Consultant  
Main activities and responsibilities Participation in research projects. Digital image processing, geographic analysis. Writing reports, scientific publications.  
Name and address of employer International Water Management Institute, P.O. Box 2075, Colombo, Sri Lanka  
Type of business or sector Research Institute

Dates September 1999 - September 2003  
Occupation or position held Scientific collaborator  
Main activities and responsibilities GIS database design and analysis, data model development, automated map production. Data quality control. Group management. Proposal and report writing.  
Name and address of employer TRIAS S.A. Consulting, 39 Seferi str., GR 54250, Thessaloniki  
Type of business or sector Private sector consulting

Dates Jan - June 1999  
Occupation or position held International Consultant  
Main activities and responsibilities Participation in research projects. Digital image processing, geographic analysis. Writing reports.

Name and address of employer	International Water Management Institute, Chowk Thokar Niaz Baig, 53700 Lahore, Pakistan
Type of business or sector	Research Institute
Dates	October 1996 - September 2003
Occupation or position held	Part-time research assistant
Main activities and responsibilities	Participation in research projects. Digital image processing, geographic analysis. Writing research reports, scientific publications. Teaching assistant.
Name and address of employer	Lab of Remote Sensing and GIS, Univ. box 259, Aristotle University, 54124 Thessaloniki, Greece
Type of business or sector	Research / academic institution
<b>Teaching experience</b>	
Dates	January 2012 - today
Occupation or position held	Lecturer of the following courses at undergraduate and postgraduate level: "remote sensing and GIS", "advance remote sensing", "advanced GIS", "mapping with remote sensing and GIS", "Soil mapping"
Main activities and responsibilities	Teaching, supervision of theses
Name and address of employer	Lab of Remote Sensing and GIS, Univ. box 259, Aristotle University, 54124 Thessaloniki, Greece
Type of business or sector	Research / academic institution
Dates	October 2004 - December 2011
Occupation or position held	Part time lecturer of "Remote sensing and GIS"
Main activities and responsibilities	Teaching assistant
Name and address of employer	Lab of Remote Sensing and GIS, Univ. box 259, Aristotle University, 54124 Thessaloniki, Greece
Type of business or sector	Research / academic institution
Dates	September 2003 - October 2009
Occupation or position held	Part time lecturer of "Remote sensing and photo interpretation"
Main activities and responsibilities	Teaching, writing notes, supervising 7 theses
Name and address of employer	Technical University of Serres, Faculty of Geoinformatics and Surveying, 62124 Serres, Greece
Type of business or sector	Research / academic institution
Dates	November 2005
Occupation or position held	Invited instructor of "GIS Applications" (weekly duration course)
Main activities and responsibilities	Teaching, examiner
Name and address of employer	Mediterranean Agronomic Institute of Chania, Department of Environmental Management, PO Box 85, Chania 73100, Crete, Greece
Type of business or sector	Research / academic institution
Dates	October 1998 - June 2004
Occupation or position held	Instructor of "Geographic Information Science"
Main activities and responsibilities	Teaching, supervising theses, evaluator
Name and address of employer	Institute of Vocational Training, 57500 Epanomi Thessalonikis, Greece
Type of business or sector	Educational institution

## Education and training

Dates	April 2004 - September 2006
Title of qualification awarded	Post-doctoral researcher
Principal subjects/occupational skills covered	Title: 'Monitoring vegetation status using mid-low resolution remotely sensed imagery'. Research exploring the optimum temporal and spectral scale of vegetation monitoring.
Name and type of organisation providing education and training	School of Agriculture and School of Forestry and Natural Environment, Aristotle University of Thessaloniki, Greece. Partially funded by the European Social Fund - European Commission.
Level in national or international classification	ISCED 6

Dates	October 1999 - April 2003
Title of qualification awarded	PhD in remote sensing and GIS
Principal subjects/occupational skills covered	Thesis title: 'Scale influence in the estimation of water and vegetation parameters using remote sensing and GIS techniques'. Research exploring the effect of changing scales and the optimum spatial resolution for mapping evapotranspiration and vegetation indices with satellite images.
Name and type of organisation providing education and training	School of Agriculture, Aristotle University of Thessaloniki, Greece.
Level in national or international classification	ISCED 6
Dates	October 1995 - September 1996
Title of qualification awarded	MSc in applied remote sensing
Principal subjects/occupational skills covered	Theoretical and technical aspects of remote sensing, GIS, geographic analysis, photogrammetry, mapping, GPS, resources surveying. Thesis title: 'Terrain and soil influences on ERS-1 SAR images'.
Name and type of organisation providing education and training	Silsoe College / Cranfield University, United Kingdom
Level in national or international classification	ISCED 5A
Dates	September 1989 - March 1996
Title of qualification awarded	BSc in agricultural engineering
Principal subjects/occupational skills covered	Theoretical and technical aspects of irrigation, drainage, mechanical engineering, soil science. Thesis title: 'Crop distinction with remote sensing in the alluvial valley of Thessaloniki'. Finished a semester as exchange student in University of Bologna, Italy.
Name and type of organisation providing education and training	School of Agriculture, Aristotle University of Thessaloniki, Greece.
Level in national or international classification	ISCED 5A

### Personal skills and competences

Mother tongue(s) Greek

Other language(s)

Self-assessment  
*European level (\*)*

English

Italian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2 Mastery	C2 Mastery	C2 Mastery	C2 Mastery	C2 Mastery
B2 Vantage	B2 Vantage	B2 Vantage	B1 Threshold	B1 Threshold

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

Social skills and competences

Ability to work in a team acquired during participation in working groups.  
Intercultural adaptation skills acquired during my studies and work abroad (Europe, Asia).  
Good communication skill acquired through teaching in various levels (vocational, university, MSc).

Organisational skills and competences

Ability to organise and carry out research acquired during my doctoral and post-doctoral research.  
Ability to lead a small group acquired during my working experience.  
Experience in project management, including scientific, financial, logistics.

Technical skills and competences

Experience in quality control acquired during my work in private sector consulting (I was responsible for quality control of mapping products, and currently responsible for deliverables or projects).

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

Certificate in First Aid awarded by the Red Cross (2008)

Driving licence	EU driving license, Category B.
Additional information	Reviewer of several scientific journals, member of 4 professional bodies, author or co-author of 20 journal and 50 conference publications.
Selected scientific publications	<ul style="list-style-type: none"> <li>▪ Alexandridis, T.K., Cherif, I., Kalogeropoulos, C., Monachou, S., Eskridge, K., and Silleos, N., 2013. Rapid error assessment for quantitative estimations from Landsat 7 gap-filled images. <i>Remote Sensing Letters</i>, 4(9): 920-928.</li> <li>▪ Alexandridis, T.K., Sotiropoulou, A.M., Bilas, G., Karapetsas, N., and Silleos, N.G., 2013. The effects of seasonality in estimating the c-factor of soil erosion studies. <i>Land Degradation and Development</i>, (in press).</li> <li>▪ 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. <i>International Journal of Geographical Information Science</i>, 24(4):507-521.</li> <li>▪ 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. <i>Remote Sensing</i>, 1(3):445-465.</li> <li>▪ Alexandridis, T.K., G.C. Zalidis, and N.G. Silleos, 2008. Mapping irrigated area in Mediterranean basins using low cost satellite Earth Observation. <i>Computers and Electronics in Agriculture</i>, 64(2):93-103.</li> <li>▪ 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. <i>IEEE Transactions on Geoscience and Remote Sensing</i>, 46(7):2137-2152.</li> <li>▪ 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. <i>International Journal of Remote Sensing</i>, 29(12):3589-3607.</li> <li>▪ Silleos, N.G., T.K. Alexandridis, I.Z. Gitas, and K. Perakis, 2006. Vegetation Indices: Advances made in Biomass Estimation and Vegetation Monitoring in the last 30 Years. <i>Geocarto International</i>, 21(4):21-28.</li> <li>▪ Chemin Y. and T. Alexandridis, 2006. Water productivity at different geographical scales in Zhanghe Irrigation District, China. <i>International Journal of Geoinformatics</i>, 2(2):9-19.</li> <li>▪ Chemin, Y. and T. Alexandridis, 2004. Improving spatial resolution of ET seasonal for irrigated rice in Zhanghe, China. <i>Asian Journal of Geoinformatics</i>, 5(1):3-11.</li> </ul>

## Selected research projects

- Satellite remote sensing and GIS for estimation of water performance indicators in Fordwah Eastern Sadiqia (Pakistan) irrigation and drainage project, contracted to IWMI Pakistan.
- Determination of irrigated crop area in the Indus Basin Irrigation System using NOAA images, contracted to IWMI Pakistan.
- Estimation of water productivity in Zhanghe Irrigation District (China) at different scales using remote sensing and GIS techniques, contracted to IWMI Sri Lanka.
- Assessment of use of MODIS satellite images for irrigated area mapping, contracted to IWMI Sri Lanka.
- Agricultural water use estimation in Mediterranean river basins using Earth Observation. Contracted by the European Space Agency. Refinement of tools for estimating evapotranspiration under Med conditions.
- Valuation of irrigation water in Strimonas basin, contracted to OMIKRON Ltd. Estimation of irrigation water use with remote sensing and GIS, spatial distribution of environmental impact indicators, geodatabase management.
- Definition and specialisation of common protocol and database for monitoring the quality and quantity of surface waters and the status of Strimonas river, contracted to Aristotle University of Thessaloniki. Development of monitoring protocol, design of geodatabase, and software for geodatabase management.
- Integrated System for the promotion of Territorial / Environmental Impact Assessment in the frame of spatial development (ISOTEIA), contracted to Aristotle University of Thessaloniki. Remote sensing and GIS for resources management, environmental protection, and risk prevention.
- Participation in the project "Assessment of use of satellite imagery and GIS to control the farmer's declarations in Pref. of Larissa", contracted by the Greek Organization for Farmer's Compensation Control (OPEKEPE) to Aristotle University of Thessaloniki. Services related to crop distinction using SPOT 5 images, Spatial analysis of farmers database.
- Contract with the Greek Organization for Farmer's Compensation Control (OPEKEPE) in the project 'Assessment of super-high resolution satellite imagery for control of farmers subsidies declarations'. Services related to crop distinction using QuickBird and SPOT images, Spatial analysis of farmers database.