



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	NIKOLAOS SILLEOS
Address(es)	Lab of Remote Sensing and GIS, School of Agriculture, Univ. Box 259, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece
Telephone(s)	(+30) 2310 991777
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E-mail	silleos _AT_ agro.auth.gr
Nationality	Greek
Date of birth	06/02/1941
Gender	Male

Desired employment / Occupational field

Professor of Remote Sensing and GIS

Work experience

Dates	2008 - present
Occupation or position held	Professor Emeritus
Main activities and responsibilities	Supervising M.Sc. and Ph.D. candidates. Writing proposals, reports and scientific publications. Collaboration with European Universities.
Name and address of employer	Laboratory of Remote Sensing and GIS, School of Agronomy, Aristotle University of Thessaloniki, P.O. box 259, 54124 Thessaloniki, Greece
Type of business or sector	Research / academic institution
Dates	1970 - 2008
Occupation or position held	Professor, Laboratory Director
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 cooperator in research projects mostly relevant to the use of Remote Sensing, Geographical Information Systems (GIS) and soil mapping. Collaboration with European Universities, participation in international conferences. Representative of Greece in the European Space Advisory Group (SAG) Representative of the Department of Agriculture in the Balcan countries
Name and address of employer	Laboratory of Remote Sensing and GIS, School of Agronomy, Aristotle University of Thessaloniki, P.O. box 259, 54124 Thessaloniki, Greece
Type of business or sector	Research / academic institution

Teaching experience

Dates	1970 - 2008
Occupation or position held	Professor
Main activities and responsibilities	Teaching the following lessons: "Introduction of Remote Sensing and GIS" to undergraduate students and "Advanced Remote Sensing", "Soil Mapping" and "Advanced GIS" to graduate students.
Name and address of employer	Laboratory of Remote Sensing and GIS, School of Agronomy, Aristotle University of Thessaloniki, P.O. box 259, 54124 Thessaloniki, Greece

Type of business or sector | Research / academic institution

Education and training

Dates | 1977 - 1981
Title of qualification awarded | PhD
Principal subjects/occupational skills covered | Soil mapping by using aerial photo interpretation
Name and type of organisation providing education and training | School of Agronomy, Aristotle University of Thessaloniki, Greece.
Level in national or international classification | ISCDE 6

Dates | 1972 - 1976
Title of qualification awarded | MSc
Principal subjects/occupational skills covered | Analysis of the relationship between physiography and soils using aerial photo interpretation
Name and type of organisation providing education and training | International Institute of Aerial Survey and Earth Sciences, ITC, Enschede, the Netherlands
Level in national or international classification | ISCDE 5A

Dates | 1961 - 1967
Title of qualification awarded | BSc
Principal subjects/occupational skills covered | Agriculture
Name and type of organisation providing education and training | School of Agronomy, Aristotle University of Thessaloniki, Greece.
Level in national or international classification | ISCDE 5A

Personal skills and competences

Mother tongue(s) | **Greek**

Other language(s) | **English**

Self-assessment

European level ()*

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1Proficient user	C1Proficient user	C1Proficient user	C1Proficient user	C1Proficient user

() Common European Framework of Reference for Languages*

Social skills and competences | Founder of the European Society of soil conservation and member of the Consul Representative of Greece in the European Space Advisory Group
Writer and co-writer of more than 110 citation index from foreign scientists
Representative of Aristotle University for cooperation with Balkan Universities

Organisational skills and competences | Project manager for more than 30 national and international research projects
Writer of 3 books
Writer and co-writer of more than 25 publications
Collaboration with European Universities
Organizing technical Meetings and Conferences.

Technical skills and competences	Experimental design, satellite image analysis, geographical Information Systems, decision support system
Computer skills and competences	Use of specialized software and hardware (digital image processing, statistical, GPS, ERDAS ENVI, ArcInfo) Excellent command of most MS Office software.
Other skills and competences	
Driving licence	EU driving license, Category B.

Additional information

Selected scientific publications

Publications relative to Remote Sensing and GIS:

1. Assessment crop damages using space remote sensing and geographical information system (GIS), 1998. Silleos N., N. Dalezios, A. Trikatsoula, G. Petsanis. Int. Conf. Control Applications and Ergonomics in Agriculture, IFAC - CAEA '98, 14-17 June 1998, Athens Greece.
2. Qualitative and spatial comparative study of satellite images classified by supervised and fuzzy logic based classification algorithms : A case study in Kilikis prefecture, Central Macedonia, Greece, 1998. Perakis K., I. Manakos, N. Silleos. Int. Conf. Control Applications and Ergonomics in Agriculture, IFAC - CAEA '98, 14-17 June 1998, Athens Greece.
3. Assessment of crop damages using space remote sensing and GIS, 2002. Silleos N., Perakis K., Petsanis G. International Journal of Remote Sensing, Vol. 23, No3, 417-427.
4. A new precision farming technique, for use on a wheat crop under Mediterranean agronomic conditions, Karydas C., Silleos N., Silleos G., 6th Balkan Conference on Operational Research, 22-25 May 2002, Thessaloniki Greece.
5. A decision support system approach for monitoring and sustainable management of Strymon river, Bournanis Th., Manos B., Silleos N., Antonopoulos V. 1st Int. Conf. of Hellenic Association of Information and Communication Technology in Agriculture, Food and Environment (HAICTA), 6-7 June 2002, Athens Greece.
6. Vegetation Indices: 30 years advances in biomass estimation and vegetation monitoring, 2005, Silleos N., Alexandridis Th., Gitas I., Perakis K., 2006, GEOCARTO International, Oct. 2006.
7. 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, (in press).
8. 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. Geocarto International, 21(4):21-28.
9. Zalidis, G.C., N.G. Silleos, T.K. Alexandridis, E. Lazaridou, A. Chantzaridou, and K. Nikolaou, 2007. Deriving indicators for monitoring European Ramsar wetlands using earth observation: The case study of delta Axios-Loudias-Aliakmonas, Greece. 10th International Conference on Environmental Science and Technology, 5-7 September, Cos island, Greece.
10. Oikonomakis, N., T.K. Alexandridis, I.Z. Gitas, T. Katagis, and N.G. Silleos, 2007. Selection of an appropriate Vegetation Index for monitoring condition of CORINE Land Cover vegetation types. In: Proceedings of 27th Symposium of European Association of Remote Sensing Laboratories (EARSeL), 4-9 June, Bolzano, Italy.
11. Katagis, T, I. Gitas, T. Alexandridis, C. Topaloglou, and N. Silleos, 2006. Developing MODIS time series for monitoring vegetation condition: preliminary results. In: Proceedings of 26th Symposium of European Association of Remote Sensing Laboratories (EARSeL), 29 May - 2 June, Warsaw, Poland.
12. Silleos N., G. Petsanis, T. Alexandridis and N. Karapetsas, 2002. Operational crop damage estimation from drought using remote sensing and GIS techniques. In: Proceedings of 1st International Conference of Hellenic Association of Information and Communication Technology in Agriculture, Food and Environment (HAICTA), 6-7 June, Athens, Greece.

Selected research projects

- **EUROPEAN COMMUNITY-UNIVERSITY IF LEICESTER-LOGICA-DEPARTMENT OF AGRICULTURE(GREECE)** : Fuzzy land information for environmental remote sensing (1998-2001)
- **EUROPEAN COMMUNITY**: Monitoring pollution in transborder rivers (Germany, Bulgaria, Greece, FYROM, Italy) (1999-2002)
- **GREVENA PREFECTURE (GREECE)**: Development of Geographic Information System for monitoring and mapping the agro-environment (1999-2009)
- **AGRICULTURE TOBACCO COOPERATIVE OF DION MUNICIPALITY (GREECE)**: Precision Agriculture using Remote Sensing, GIS and GPS (2000-2002)
- **HELLENIC ORGANIZATION OF AGRICULTURAL INSURANCE (GREECE)**: Crop Damage Assessment using Remote Sensing and GIS. (1196-2001).
- **OPEKEPE (ORGANIZATION FOR SUBSIDIES PAYMENTS AND CONTROLS-GREECE)**: Training of organization executives in remote sensing, GIS and GPS (1999-2004)
- **GENERAL SECRETARIAT OF RESEARCH AND TECHNOLOGY: (PHYTHAGORAS PROJECT)**: Study for the use of low resolution satellite images (TERRA, NOAA-AVHRR-MODIS) for the development of a methodology for operational monitoring of the vegetation in national level (2003-2006)
- **INTERREG IIIB-CADSES**: (*Greece, Italy, Bulgaria, Albania, Croatia*): An integrated system for assessment the environmental impact in the frame of spatial development (2004-2007).
- **EUROPEAN SPACE AGENCY: GMES** products & services, integrating **EO** monitoring capacities to support the implementation of European directives and policies related to "land cover and vegetation", EC Proposal Reference No. **FP-6-502871 (2004-2007)**
- **INTERREG IIIB ARCHIMED** (Greece, Italy, Region of Peloponnesus, Region of Central Macedonia, Region of N. Aegean, Region of South Aegean). Integrated Monitoring System for Desertification Risk Assessment (MOONRISES)-2006-2007
- **INTERREG IIIB CADSES** : Remotely Accessed Decision Support System for Transnational Environmental Risk Management, STRiM, Lead Partner: MAiCh, Crete, Greece (2006-2008).
- **ESA**: Earth Observation Product for Operational Monitoring of Agricultural Water Use in Greece, start date: 01/11/2007 end date: 31/01/2009
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