

Curriculum Vitae



Personal information

First name(s) / Surname(s) **Andreas ILIAS**
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Nationality Greek
Date of birth 06.06.1964

Occupational field **Specialized Scientist in water resources management, crop water relationship, irrigation, wastewater and other poor quality water use in agriculture, GIS**

Work experience

Dates	March 2002 - present
Occupation or position held	Specialized Scientist in water resources management
Main activities and responsibilities	Research work related to water resources in agricultural sector
Name and address of employer	Soil and Water Resources Institute, Hellenic Agricultural Organization, 574 00 Thessaloniki, Greece https://lri.swri.gr/index.php/en/
Type of business or sector	Research Institute
Dates	June 1998 – August 2001
Occupation or position held	Administrative and financial management of the project 'Reformation and Financial Support of the Postgraduate Studies Department of School of Agriculture of AUTH – Operational Program for Education and Initial Professional Training'
Main activities and responsibilities	Administrative and financial management
Name and address of employer	School of Agriculture, Aristotle University of Thessaloniki
Type of business or sector	University
Dates	July 1995 – June 1998
Occupation or position held	Specialized Scientist in water resources management on the research project 'Reclaiming Municipal Wastewater with Natural Biological Treatment Systems and Reuse in Irrigation and Wetland Reconstruction'
Main activities and responsibilities	Research work related to water resources in agricultural sector
Name and address of employer	Land Reclamation Institute, National Agricultural Research Foundation, 574 00 Thessaloniki, Greece
Type of business or sector	Research Institute
Dates	1991 – 1993
Occupation or position held	Specialized Scientist in water resources management on the research project 'Water Management of Loudias River'
Main activities and responsibilities	Research work related to water resources in hydrology and agricultural sector
Name and address of employer	School of Agriculture, Aristotle University of Thessaloniki
Type of business or sector	University

Education and training

Dates	1989 –1993
Title of qualification awarded	MSc in Hydraulics and Land Reclamation
Principal subjects/occupational skills covered	Thesis title: 'Mathematical simulation of the tidal water level fluctuation in Loudias river'
Name and type of organisation providing education and training	School of Agriculture, Aristotle University of Thessaloniki
Level in national or international classification	ISCED 6
Dates	September 1984 – June 1989
Title of qualification awarded	BSc in agricultural engineering
Principal subjects/occupational skills covered	Theoretical and technical aspects of soil-water-plant relationships. Diploma 'Sensitivity analysis of Penman Method'
Name and type of organisation providing education and training	School of Agriculture, Aristotle University of Thessaloniki
Level in national or international classification	ISCED 6

Personal skills and competences

Mother tongue(s) **Greek**

Other language(s)

Self-assessment
European level ()*

**English
Language**

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
B2	B2	B2	B2	B2	

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Good ability to work in a team and to adapt to multicultural environments, gained through my scientific working
Technical skills and competences	Experience in irrigation water management and electronic-scientific equipment utilization
Computer skills and competences	Experienced user of specialized software, GIS, CAD, image processing, programming languages, statistical packages, office programs
Driving licence	EU driving license

Selected scientific publications

- Hatzigiannakis, E., Tziritis, E., Ilias, A., Arampatzis, G., Doulgeris, Ch., Pisinaras, V., 2018. Assessment of irrigation water quality in Anthemountas Basin, Central Macedonia, Greece. 14th International Conference on Protection and Restoration of the Environment, 104-110.
- Hatzigiannakis, E., Filintas, A., Ilias, A., Panagopoulos, A., Arampatzis, G., & Hatzispiroglou, I., 2016. Hydrological and rating curve modelling of Pinios River water flows in Central Greece, for environmental and agricultural water resources management. Desalination and Water Treatment, Taylor & Francis, ISSN: 1944-3994 (Print) 1944-3986 (Online) Journal homepage: <http://www.tandfonline.com/loi/tdwt20>.
- Wendland, F., Herrmann, F., Ilias, A., Panagopoulos, A., Pisinaras, V., 2016. Establishing a hydrologic observatory to support the determination of the long-term available (ground-) water resources in Thessaly basin (central Greece). 2nd EWaS International Conference, 1- 4 June, Chania, Crete, Greece
- Karyotis, T., Ilias, A., Dalambakis, P., Hatzigiannakis, E., Tsitouras, A., Stathaki, S., Vrouchakis, J., Karyoti K., Arampatzis, G., Panagopoulos, A. 2016. A qualitative method for mapping of pesticide loss risk in the area of Trifyllia in SW Peloponnese, Greece. 13th

International Conference on Protection and Restoration of the Environment, July 3-7, Mikonos, Greece.

- Hatzigiannakis, E., Pantelakis, D., Hatzispiroglou, I., Arampatzis, G., Ilias, A. and Panagopoulos A. 2016. Discharge Measurements and Roughness Coefficient Estimation in a River. The Case of Strymonas River in Northern Greece. *Environ. Process.* DOI 10.1007/s40710-015-0120-4.
- Filintas, A., Hatzigiannakis, E., Arampatzis, G., Ilias, A., Panagopoulos, A., and Hatzispiroglou, I., (2015). 'Hydrometry's classical and innovative methods and tools comparison for Stara river flows at Agios Germanos monitoring station in north-west Greece', European Geosciences Union General Assembly, April 12-17, Vienna, Austria.
- Hatzigiannakis, E., Filintas, A., Ilias, A., Panagopoulos, A., Arampatzis, G., and Hatzispiroglou I., (2015). 'Hydrological modeling of Pinios river water flows in central Greece, for environmental and agricultural water resources management', *Desalination and Water Treatment*, Published online: 18 Dec 2015, 57 (2016) 11639–11659, <https://doi.org/10.1080/19443994.2015.1123191>.
- Paraskevas¹, C., Pisinaras¹, V., Ilias, A., Panagopoulos, A., Arampatzis, G., Kotsopoulos, S., Lazogiannis, K., Kakagiannis, G., Poulos, S., 2015. Estimation of Crops' Water Requirements and Water Footprint in Pinios River Delta. 9th Congress of the Greek Agricultural Engineers Society, Thessaoniki, Greece.
- Pisinaras, V., Paraskevas, C., Ilias, A., Panagopoulos, A., Arampatzis, G., Alexiou, I., Kotsopoulos, S., Poulos, S. & Nastos, P., 2015. Investigation of Climate Change Effects in Agricultural Water Management of Pinios River Delta, Central Greece. 9th World Congress of EWRA, Istanbul, Turkey.
- Ilias, A., Panoras, A., Angelakis, A., 2014. Wastewater Recycling in Greece: The Case of Thessaloniki. *Sustainability* 6, 2876-2892, ISSN 2071-1050, doi:10.3390/su6052876.
- Panoras, A., Ilias, A., Hatzigiannakis, E., Arabatzis, G., Panagopoulos, A., Dalabakis, P., Stathaki, S., Tsekoura, D., Zavra, A., Panoras, G., Panoras, I., and Kalogianni, H., 2010. Analyzing water samples of the treated domestic effluent of the Municipality of Thessaloniki for irrigation at the Thessaloniki basin, during 2009. NAGREF, LRI, p.54.
- Hatzigiannakis, E., Ilias, A., and Panoras, A., 2009. Water current measurements at the Agios Athanasios irrigation network and investigation of the possibility of pricing based on water consumption. LRI-NAGREF, p. 22.
- Panoras, A. Ilias, A., Hatzigiannakis, E., Arabatzis, G., Panagopoulos, A., Dalabakis, P., Stathaki, S., Diamantidis, I., Tsekoura, D., Zavra, A., Panoras, G., Kalogianni, H., and Panoras, I., 2009. Final report on the surveillance of treated wastewater quality characteristics, during irrigations of the 2008 summer in the irrigation network of Halastra-Kalohori. NAGREF, LRI, p. 54
- Panoras, A. Ilias, A., Hatzigiannakis, E., Tsekoura, D., Zavra, A., Panoras, G., Stathaki, S., Panoras, I., and Kalogianni, H., 2009. Assessment of the suitability of the water resources of Ag. Athanasios for irrigation purposes. LRI-NAGREF, p. 43.
- Panoras, A. Ilias, A., Hatzigiannakis, E., Arabatzis, G., Zdraggas, A., Panagopoulos, A., Sotiraki, S., Parousis, I., Panoras, G., Bogias, T., Soupilas, A., and Noula, K., 2009. Impressions of the initial extended application of the treated effluent of Thessaloniki wastewater treatment plant, to crop irrigation. Proceedings of the 6th Pan-Hellenic Conference of Agricultural Engineering, 8-10 October, 311-319.
- Ilias, A., Hatzigiannakis, E., and Panoras, A., 2009. Computerization possibilities of the Agios Athanasios irrigation network organization. LRI-NAGREF, p. 14.
- Ilias, A., Panoras, A., Zdraggas, A., Sotiraki, S., Hatzigiannakis, E., and Panoras, G., 2009. Study on the environmental implications of the re-use of the treated effluent of the Lamia wastewater treatment plant, for irrigation purposes. LRI-NAGREF, p. 110
- Georgousis, H., Babajimopoulos, C., Panoras, A., Arabatzis, G., Hatzigiannakis E., Ilias, A., Papamichail, D., 2009. Regional scale irrigation scheduling using a mathematical model and GIS. *Desalination* 237: 108-116.
- Panoras, A., Bladenopoulos, K., Ilias, A., Hatzigiannakis, E., Teloglou, H., Papageorgiou, M., Panoras, G., 2007. Amount and quality of yield of barley irrigated with treated municipal waste water. *Journal of Balkan Ecology*, vol. 10, No 4, pp 389-399.
- Ilias, A., and Panoras, A., 2006. Investigating the feasibility of the Creta Farm treated effluent disposal on grassland. LRI-NAGREF, p. 8.
- Ilias, A., Hatzispiroglou, J., Baltas, E. and Anastasiadou-Partheniou E., 2005. 'Application of the NAM model to the Ali-Efenti basin'. International Conference River Basin Management, 6-8 September, Bologna.
- Hatzigiannakis, E., Ilias, A., Matsi, T., Arampatzis, G., Teloglou, I., and Panoras, A., 2004. Continuous monitoring of the salinity and sodicity at the irrigated soils of the Halastra-Kalohori irrigation networks and the irrigation water quality. Proceedings of the 1st Symposium of the Environmental Council, November 11-12.
- Panoras, A., Arabatzis, G, Ilias, A., Matsi, T., Panagopoulos, A., Hatzigiannakis, E. and Mitsiou, K., 2004. Study for the environmental impact of saline-alkaline and alkaline soil rehabilitation in Thessaloniki plain with the use of phosphogypsum. Prefecture of Thessaloniki and LRI-NAGREF, p. 154.
- Dalabakis, P., Ilias, A., Panagopoulos, A., Kolios, N. and Xanthopoulos, S., 2004. Asparagus early season production using low enthalpy geothermal energy in Neo Erasmo-Xanthi, Greece. International Conference 'Geothermal Energy Applications in Agriculture' (GEAIA), 3-4 May 2004, Athens, Greece.
- Hatzigiannakis, G., Arabatzis, G., Panagopoulos, A., Ilias, A., Teloglou, I., Panoras, A., and Melitsi, M., 2004. Pella's prefecture irrigation

water evaluation and classification using four methods. Proceedings of the VIIIth International Conference on Protection and Restoration of the Environment. Organized by NTUA and SIT. Mykonos, Greece, June 28-July 1.

- Panagopoulos A., Teloglou I., Stathaki S., Ilias A., Dalambakis P., Arampatzis G. and Hatzigiannakis E., 2004, Groundwater artificial recharge possibilities at the Tumpa region aquifer system (N. Greece), VII International Conference on Protection and Restoration of the Environment, June 28 – July 1, Mykonos, Greece.
- Panoras, A., and Ilias, A., 2003. Assessing the suitability of Thessaloniki reclaimed municipal wastewater for irrigation purposes. *Agricultural Engineering* 5-6:139-142.
- Dimitrov, P., Panoras, A., and Ilias, A., 2003. Structuring of the data base at creating of geographical information system on drainage (Pleven Region, North Bulgaria). *Agricultural Engineering*, 5-6:69-70.
- Ilias, A. et al., 2002. Study on the environmental impact of dam construction for storm-flow interception and sediment retention at the Simantra-Portaria stream in Chalkidiki.
- Panoras, A., Ilias, A., Skarakis, G., Zdragas, A., 2000. Suitability of reclaimed municipal wastewater for sugarbeet irrigation. Proceedings of the 5th International Congress on Environmental Pollution, Thessaloniki Greece, August 28- September 1, 221-232.
- Panoras, A., Ilias, A., Skarakis, G., Papadopoulos, A., Papadopoulos, F., Parisopoulos, G., Papayiannopoulou, A., and Zdragas, A., 2000. Reuse of treated municipal wastewater for sugarbeet irrigation. *Journal of Balkan Ecology*, 3(4):91-95.
- Panoras, A., and Ilias, A., 1999. Book with title: Irrigation using treated domestic effluent. Giahoudis-Giapoulis, Thessaloniki, 175p (in Greek).
- Panoras, A., Ilias, A., Skarakis, G., Papadopoulos, A., Papadopoulos, F., Zdragas, A., and Anagnostopoulos, K., 1999. Sugarbeet irrigation with treated domestic effluent. *Biologia Gallo-Hellenica*.
- Papayiannopoulou, A., Parissopoulos, G., Panoras, A., Kampeli, S., Papadopoulos, F., Papadopoulos, A., and Ilias, A., 1998. Emitter performance in conditions of treated municipal wastewater. Proceedings of the 2nd International Conference entitled 'Advanced Wastewater Treatment, Recycling and Reuse - AWT98', Fiera, Milano, Italy, September 14-16, 1011-1014.
- Panoras, A., Ilias, A., Skarakis, G., Papadopoulos, A., Papadopoulos, F., Parissopoulos, G., Pateras, D., Papayiannopoulou, A., Zdragas, A., Anagnostopoulos K., 1998. Reuse of Reclaimed Municipal Wastewater of Thessaloniki for Sugar-beet Irrigation. Proceedings of Project Presentation entitled 'Research Results of Reclaiming Municipal Wastewater with Natural Biological Treatment Systems and Reuse in Irrigation and Wetland Reconstruction', pp 132-145, Thessaloniki, Greece.
- Ilias, A., and Babajimopoulos, C., 1997. Mathematical simulation of the tidal water-level at Loudias river. Proceedings of the 7th Conference of the Hellenic Hydrotechnical Association, p. 348-356.
- Panoras A., Mavroudis I. and Ilias A., 1996. Rational management of irrigation water resources in Thessaloniki plain by land reclamation organizations. Proceedings of the 1st Hellenic Conference of General Land Reclamation Organizations, Thessaloniki, November 18-21.
- Babajimopoulos, C., Antonopoulos, V., Grigoriadis, D., and Ilias, A., 1992. Sensitivity analysis of Penman method. Proceedings of the 5th Conference of the Hellenic Hydrotechnical Association, p. 132-140.

Selected research projects

- 2013-2015. Study of potential impacts of climate change on river estuarines. Case study of River Pinios delta, Thessaly, Greece. DAPHNE-Hellenic General Secretariat for Research and Technology. Role: Scientific Coordinator for the Land Reclamation Institute of the Hellenic Agricultural Organization 'Demeter'.
- 2012-2015. Monitoring of the quantity and quality of water resources in implementation of the Water Framework Directive-Hellenic Special Secretariat for Water-Structural Funds, Role: Member of the hydrological team.
- 2010-2011. Examination of the reliability of an Ultrasonic Doppler Flow Measuring device, in irrigation conveyance channels and estimation of the water use efficiency in an open-channel irrigation network. Technological Educational Institute of Thessaloniki and LRI-NAGREF. Member of the scientific team.
- 2009-2013. Soil sustainable management in a Mediterranean river basin based on the European soil thematic strategy. An EU Project, LIFE+. Member of the scientific team
- 2007-2009. Monitoring the use of treated domestic effluent from the Thessaloniki treatment plant in irrigation. Prefecture of Thessaloniki. Member of the scientific team.
- 2006-2008. Study of the irrigation and drainage water management in the farm of the Alexandrion Technological Educational Institute of Thessaloniki. ATEIT project. Member of the scientific team.
- 2003-2006. Development of methodologies for the protection of flood risk areas. NETWET II – Waternet Telematic Platform, Interreg iiib / CASDES. Member of the scientific team.
- 2003-2006. Development of systems and tools for water resources management of the Water Districts of Western, Northern and Eastern

Peloponnese. Hellenic Ministry of Development. Member of the scientific team.

- 2002-2008. Feasibility study for groundwater artificial recharge application at the wider region of Tumba, Prefecture of Kilkis, implementing ASR technique. Prefecture of Kilkis. Member of the scientific team.
- 2001-2002. Study and utilization of low enthalpy geothermal fields of the Prefecture of Imathia. Prefecture of Imathia. Member of the scientific team.
- 2001-2002. Research for Irrigation System Choice and Streamline of Irrigation Planning, AUTH project. Member of the scientific team.
- 1995-1998. Reclaiming Municipal Wastewater with Natural Biological Treatment Systems and Reuse in Irrigation and Wetland Reconstruction. EU. Member of the scientific team.