

CURRICULUM VITAE

Personal Data

First Name:	George
Last Name:	Arampatzis
D.O.B:	April 16, 1966
Affiliation:	Assistant Researcher
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Languages

<i>Mother tongue:</i>	Greek
<i>Other:</i>	English

Research Interests

Management of water resources, irrigation, network irrigation systems, flow in vadoze zone, soil-crop-water relations

Education-Professional Training

1985-1990	University Degree in Agriculture, Faculty of Agriculture, Aristotle University of Thessaloniki, Greece
1991-1996	M.Sc. in Land Reclamation, Faculty of Agriculture, Aristotle University of Thessaloniki, Greece “Determination of hydraulic conductivity in unsaturated condition. Experimental procedure – Prediction model”. M.Sc. Thesis.
1996-2000	Ph.D. in Irrigation, School of Rural & Surveying Engineering, Faculty of Engineering, Aristotle University of Thessaloniki, Greece. “Laboratory research on wetting and drainage in layered soils. Physical phenomenon simulation utilizing finite control volumes”. Ph.D. Thesis.
1993	“Training for scientist at aqua dynamic management”, Water Resources Institute, Duration 200 hours, Thessaloniki, Greece.
1994	“Remote sensing and geographic information system at geosciences”, Hellenic Production Center, Duration 400 hours, Thessaloniki, Greece.
1998-1999	“Training and professional experience acquisition program of university and technical university degree holders on local development issues and local government”, Hellenic Agency for Local Development and Local Government S.A., Duration 14 months, Thessaloniki, Greece.

Professional Experience

1993-1996	Hydraulic Agricultural Laboratory, Faculty of Agriculture, Aristotle University of Thessaloniki, Greece. Position: Scientific assistant
1996-1997	General Land Reclamation Organization of Thessaloniki-Lagadas plain. Position held: Agriculturalist focusing on land reclamation works management.
1999-2000	Mygdonia Municipality. Position held: Agriculturalist, head of programming and development office with parallel duties on the technical service.
2002-	National Agricultural Research Foundation - Land Reclamation Institute. Position held: Assistant Researcher.

Participation in Research Projects (since 2000)

2010-2014	“Establishment of impact assessment procedure as a tool for the sustainability of agroecosystem: the case of Mediterranean olives – SAGE 10”, LIFE+, Coordinator.
2010-2012	“Integrated modelling of nutrients in the eastern Thessaly and/or Anthemountas river basins in Greece”, Self-Funded, Deputy scientific responsible.
2009-2013	“Strategic plan for the adaptation and application of the principles for the sustainable use of pesticides in a vulnerable ecosystem-EcoPest”, LIFE+, Deputy scientific responsible in water resources.
2009-2013	“Soil sustainable management in a Mediterranean river basin based on the European soil thematic strategy-So.S.”, LIFE+, Scientific team member.
2009	“Study of the possible measures to upgrade and improve the collective irrigation network at Terpni jurisdiction”, Municipality of Nigrita, Scientific responsible.
2008-2010	“Study of the suitability of calcitic sand as a soil improvement medium in pathogen soils (salty, alkaline and acid)”, Ptolemais Beton – Charalampos Exakoustidis Bros., Scientific Team Member.
2007-2009	“Irrigation of crops using meteorological data in the basin of Strymon river”, INTERREG IIIA, Scientific Responsible.
2007-2009	“Sampling and analyses for monitoring the use of treated domestic effluent from the Thessaloniki treatment plant in irrigation”, Thessaloniki Prefecture – Chalastra-Kalochori Local Land Reclamation Organisation,

	Scientific Team Member.
2006-2008	“Irrigation water pricing at the river Pinios basin (Tirnavos sub-basin)”, Agricultural development-Rural areas reform 2000-2006, Hellenic Ministry of Agricultural Development and Food, Scientific Team Member.
2005-2006	“Rational nutrition-fertilisation of irrigated land at the Municipality of Alexandria”, Municipality of Alexandria, Scientific Team Member.
2004-2007	“Research management of water resources in the sub basin of Lake Volvi”, PYTHAGORAS II, A.U.Th., Scientific Team Member.
2004-2007	“Saving irrigation water through rational irrigation water scheduling”, PYTHAGORAS II, A.U.Th., Scientific Team Member.
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, Scientific team member.
2002-2004	“Long term monitoring of salinity – alkalinity of irrigated fields in the jurisdiction of Chalastra – Kalohori Local Organization Land Reclamation”, Chalastra – Kalohori Local Organization Land Reclamation, Scientific Team Member.

Scientific Publications (Journals, Conference Proceedings, Books, Chapters in Books)

Journals

- Evangelides C., Arampatzis G. and Tzimopoulos C., 2010. Estimation of soil moisture profile and diffusivity using simple laboratory procedures. *Soil Science*, vol 175(3), 118-127, DOI: 10.1097/SS.0b013e3181d53bb6.
- Arampatzis G., Evangelides C. and Hatzigiannakis E., 2010. Crop requirements and water losses in collective pressurized irrigation networks in northern Greece. *Global NEST Journal*. (υπό εκτύπωση)
- Georgoussis H., Babajimopoulos C., Panoras A., Arampatzis G., Hatzigiannakis E., Ilias A. and Papamichail D., 2009. Regional scale irrigation scheduling using a mathematical model and GIS. *Desalination*, vol 237, 108-116.
- Babajimopoulos C., Panoras A., Georgoussis H., Arampatzis G., Hatzigiannakis E. and Papamichail D., 2007. Contribution to irrigation from shallow water table under field conditions. *Agricultural Water Management*, vol 92, 205-210, DOI:10.1016/j.agwat.2007.05.009.
- Matsi Th., Hatzigiannakis E., Arampatzis G. and Panoras A., 2007. Available Cd content of salt-affected and normal soils of Halastra-Kalohori area. *Global NEST Journal*, vol 9(3), 195-200.
- Hatzigiannakis E., Matsi Th., Arampatzis G., Ilias A. and Panoras A., 2007. Evaluation of irrigation water quality of L.O.L.R. at Halastra - Kalohori. *Hydrotecnica*, Thessaloniki, vol. 17, 77-87, ISSN 1106-5419.
- Evangelides C., Tzimopoulos C. and Arampatzis G., 2005. Flux-saturation relationship for unsaturated horizontal flow. *Soil Science*, vol 170(9), 671-679, DOI: 10.1097/01.ss.0000185904.72717.4c.
- Tzimopoulos C., Ginidi P., Evangelides C. and Arampatzis G., 2005. Environmental protection of Koronia Lake – A case study concerning the water volume preservation. *IASME TRANSACTIONS*, Published by WSEAS, vol 2(3), 422-428, ISSN 1790-031X.
- Tzimopoulos C., Evangelides C., Arampatzis G. and Anastasiadis E., 2005. Water mass balance in the case of vertical infiltration. *Global NEST Journal*, vol 7(3), 274-280.
- Panoras A., Arampatzis G., Hatzigiannakis E., Ilias A., Panagopoulos A., Teloglou I., Matsi Th., Melitsi M., Pratanopoulos A. and Polizonis E., 2005. Suitability assessment of Pellas’ prefecture water resources for irrigation. *Geotechnic Scientific Issues*, vol. 16(2), 61-73, ISSN 1105-9478.
- Arampatzis G., Tzimopoulos C. and Evangelides C., 2004. Numerical solution of Richards’ equation with control volume method. *Journal of the Mechanical Behavior of Materials*, Freund Publishing House LTD, vol 15(4-5), 291-307, ISSN 0334-8938.
- Arampatzis G., Tzimopoulos C., Sakellariou-Makrantonali M. and Yannopoulos S., 2001. Estimation of unsaturated flow in layered soils with finite control volume method. *Irrig. and Drain., ICID*, vol 50, 349-358, DOI:10.1002/ird.31.

Proceedings of Conferences

- Arampatzis G., Hatzigiannakis E., Panoras A., Panagopoulos A., Evangelides C. and Stathaki S., 2010. Irrigation water management through meteorological data. Case study in Nigrita area. X International Conference on Protection and Restoration of the Environment, July 5 – 9, Corfu, Greece.
- Koukidou I., Panagopoulos A., Arampatzis G. and Hatzigiannakis E., 2010. Evaluation of groundwater artificial recharge for aquifer recovery and protection aided by groundwater flow modelling: the case of Tirnavos alluvial basin, central Greece. X International Conference on Protection and Restoration of the Environment, July 5 – 9, Corfu, Greece.
- Domakinis C., Panagopoulos A., Arampatzis G., Charoulis A. and Karyotis T., 2010. Developing drastic for an intensively cultivated vulnerable basin of Greece. X International Conference on Protection and Restoration of the Environment, July 5 – 9, Corfu, Greece.
- Mousoulitiotis A., Georgoussis H., Babatzimopoulos C., Panoras A., Hatzigiannakis E. and Arampatzis G., 2009. Use of pedotransfer functions for the description of soil hydraulic properties in the Thessaloniki plain: I Evaluation of published pedotransfer functions. *Proceedings of the 10th Hellenic Conference by Hellenic Hydrotechnical Association and Greek Committee for Water Resources Management*, May 27-30, Volos, Greece, 363-369.
- Mousoulitiotis A., Georgoussis H., Babatzimopoulos C., Panoras A., Hatzigiannakis E. and Arampatzis G., 2009. Use of pedotransfer functions for the description of soil hydraulic properties in the Thessaloniki plain: II Development of new pedotransfer functions. *Proceedings of the 10th Hellenic Conference by Hellenic Hydrotechnical Association and*

- Greek Committee for Water Resources Management, May 27-30, Volos, Greece, 379-386.
- Hatzigiannakis E., Arampatzis G., Panagopoulos A. and Panoras A., 2009. Comparative evaluation of three methods for calculation of reference evapotranspiration with that of evaporation pan. Proceedings of the 10th Hellenic Conference by Hellenic Hydrotechnical Association and Greek Committee for Water Resources Management, May 27-30, Volos, Greece, 395-401.
- Rapti Ch., Evangelides Ch and Arampatzis G., 2009. Comparative evaluation of calculating methods for reference evapotranspiration. Proceedings of the 6th Hellenic Conference by Hellenic Society of Agricultural Engineers, October 8-10, Thessaloniki, Greece, 91-98.
- Panoras A., Ilias A., Hatzigiannakis E., Arampatzis G., Zdragas A., Panagopoulos A., Sotiraki S., Parousis I., Panoras G., Bogias Th., Soupilas A. and Noula K., 2009. Experience from the first extensive reuse of reclaimed municipal wastewater for irrigation purposes in Greece. Proceedings of the 6th Hellenic Conference by Hellenic Society of Agricultural Engineers, October 8-10, Thessaloniki, Greece, 311-319.
- Arampatzis G., Hatzigiannakis E., Evangelides C., Panagopoulos A. and Panoras A., 2008. Water losses during distribution and application in collective pressurized irrigation networks. E-Proc. 9th Int. Conference Protection and Restoration of the Environment, 29 June – 3 July, Kefalonia, Greece.
- Panagopoulos A., Pechlivanidou S., Vrouhakis Y., Karyotis Th., Arampatzis G., Hatzigiannakis E. and Panoras A., 2008. Determining reference conditions for groundwater bodies using simple historical data; the case of eastern Thessaly, Greece. E-Proc. 36th Int. Congress of the International Association of Hydrogeologists, Toyama, Japan.
- Alexandridis, T., Chemin Y., Cherif I., Tsakoumis G., Galanis G., Arampatzis G., Zalidis G., Silleos N., and Stavrinis E., 2008. Improving spatial resolution of agricultural water use estimation using ALOS AVNIR-2 imagery. In Proceedings of ALOS Principal Investigators Symposium 2008, 3-7 November, Rhodes, Greece.
- Matsi Th., Hatzigiannakis E., Arampatzis G. and Panoras A., 2006. Cadmium levels in soils of Halastra – Kalohori area. VIII International Conference on Protection and Restoration of the Environment, July 3-7, Chania, Greece.
- Hatzigiannakis E., Arampatzis G., Panoras A. and Ilias A., 2006. Soil monitoring in Halastra – Kalohori area. Lecture series on computer and computational Sciences, vol 7, 695 – 700, ISBN 978 90 04 15542 2.
- Hatzigiannakis E., Matsi Th., Arampatzis G. and Ilias A., 2006. Survey of the soils of Chalastra – Kalohori area in respect to salinity – sodicity problem. Proceedings of 11th Hellenic Conference for Soil Conservation, October 4-7, Arta, Greece, 539-546.
- Arampatzis G., Hatzigiannakis E. and Panoras A., 2006. Water losses during distribution and application in collective irrigation networks. Proceedings of 10th Hellenic Conference by Hellenic Hydrotechnical Association, December 13-16, Xanthi, Greece, B:753-759.
- Tzimopoulos C., Ginidi P., Evangelides C. and Arampatzis G., 2005. Water Resources Management in the Watershed of Koronia Lake. International Conference on Energy, Environment, Ecosystems and Sustainable Development IASME / WSEAS, July 12-14, Vouliagmeni, Athens, Greece.
- Tzimopoulos C., Anastasiadis E., Evangelides C. and Arampatzis G., 2005. Water mass balance in the case of vertical infiltration. 9th International Conference on Environmental Science and Technology, September 1-3, Rhodes Island, Greece, A 1508 – A 1513.
- Hatzigiannakis E., Arampatzis G., Panagopoulos A., Ilias A., Teloglou I., Panoras A. and Melitsi M., 2004. Pella's prefecture irrigation water evaluation and classification using four methods. VII International Conference on Protection and Restoration of the Environment, June 28 – July 1, Mykonos, Greece.
- 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.
- Tzimopoulos C., Spyrides A., Chalkides H. and Arabatzis G., 2003. Dam-break floods downstream of Papadia dam. Water Resources Management II, Series: Progress in Water Resources, WIT Press, vol 8, 401-408, ISBN 1-85312-967-4, ISSN 1461-6513.
- Tzimopoulos C., Evangelides C., Bassiouris A. and Arabatzis G., 2003. An analytical flux concentration relationship for solving the unsaturated horizontal flow problem. XXX IAHR Congress, August 24-29, Thessaloniki, Greece, Theme B 755-762.
- Tzimopoulos C., Basiouris A., Evangelides Ch., Gianopoulos S. and Arampatzis G., 2003. Solving one-dimensional horizontal unsaturated flow problem with flux-concentration method. Clay soil samples. Proceedings of 9th Hellenic Conference by Hellenic Hydrotechnical Association, April 2-5, Thessaloniki, Greece, 175-182.
- Arampatzis G. and Tzimopoulos C., 2001. Experiments for the estimation of unsaturated hydraulic conductivity. 6th National Congress on Mechanics, July 19-21, Thessaloniki, Greece, 416-421.
- Arampatzis G., Tzimopoulos C., Sakellariou Makrantonaki M. and Yannopoulos S., 2000. Hydraulic conductivity estimation in unsaturated layered soils. Proceedings of 8th Hellenic Conference by Hellenic Hydrotechnical Association, April 19-21, Athens, Greece, 419-426.
- Tzimopoulos C., Sakellariou Makrantonaki M., Spiridis A. and Arampatzis G., 1998. An algorithm for the soil characteristic curve with the method of conjugate directions. XII International Conference on Computational Methods in Water Resources, June 15-19, Crete, Greece, 231 – 238.
- Tzimopoulos C. and Arampatzis G., 1998. Comparative evaluation of hydraulic conductivity prediction models. Proceedings of the 1st National Conference by Hellenic Society of Agricultural Engineers, December 11-12, Athens, Greece, 303-311.
- Arampatzis G., Tzimopoulos C. and Yannopoulos S., 1997. Measurement of unsaturated hydraulic conductivity in the laboratory. Proceedings of 7th Hellenic Conference by Hellenic Hydrotechnical Association, October 14-18, Patra,

Greece, 176-183.	
Active Participation in Scientific Committees	
2009-2011	Member of organising committee, 6th ESSC Conference-May 2011-Thessaloniki, Greece.
2001-2004 & 2007-2010	Member of the Management Board of the Hellenic Hydrotechnical Association.
2009	Member of the Scientific Committee of the joint Conference of the Hellenic Hydrotechnical Association and the Hellenic Committee for Water Management, held in Volos – Greece on 27-30 May 2009.
2009	Member of the working group of the Geotechnical Chamber of Greece for shaping scientific viewpoints on the Draft Bill of the Hellenic Ministry for the Environment – Rural Planning and Public Works on the protection of streams.
2004	Member of the organizing committee of the one-day Conference titled “The implementation of Act 3199/2003 and Directive 2000/60/EC for Water Resources”, held in Athens on 22 March 2004.
2003	Member of the Scientific Committee of the 9 th National Conference of the Hellenic Hydrotechnical Association, held in Thessaloniki – Greece on 2-5 April 2003.
Educational Activities (Lectures, Seminars, Supervision)	
2008	University of Belgrade-Faculty of Mining and Geology, Department of Hydrogeology. Invited lecturer on “Groundwater flow models: to model or not?”.
2003-2005	Technological Educational Institute of Thessaloniki, Department of Plant Production. Scientific collaborator demonstrating on “Irrigation – Drainage”.
2001	Lectureship appointment according to Act 407/80 in the Democritus University of Thrace, Faculty of Agricultural Development. Grade: Assistant Professor. Lecturing and demonstration on “Agricultural Hydraulics”.
1999-2000	Aristotle University of Thessaloniki, Faculty of Engineering, School of Rural & Surveying Engineering. Participation at lecturing and demonstration on “Agricultural Hydraulics”.
1997-1999	Aristotle University of Thessaloniki, Faculty of Engineering, School of Rural & Surveying Engineering. Participation at lecturing and demonstration on “Drainage - Well hydraulics”.
Other Relevant Activities	
2009	Reviewer of scientific paper submitted to the 6th Hellenic Conference by the Hellenic Society of Agricultural Engineers, held in Thessaloniki – Greece on 8-10 October 2009.
2009	Reviewer of scientific paper submitted to the joint Conference of the Hellenic Hydrotechnical Association and the Hellenic Committee for Water Management, held in Volos – Greece on 27-30 May 2009.
2007	Reviewer of papers submitted in the Journal of Environmental Science and Technology, ISSN Print: 1994 – 7887.
2003	Reviewer of scientific paper submitted to the 9th National Conference of the Hellenic Hydrotechnical Association, held in Thessaloniki – Greece on 2-5 April 2003.