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Place and year of birth: Greece, 1952

University Degrees:

- B.Sc in Agriculture (1971-1975), Aristotle University of Thessaloniki, School of Agriculture, Greece.
- Graduate School in Agricultural Hydraulics (MSc), (1977-1979), Aristotle University of Thessaloniki, School of Agriculture, Greece.
- Doctor of Philosophy degree, 1988, Aristotle University of Thessaloniki, School of Agriculture, Greece.

Research Interests:

- Quality and Pollution of Surface and Ground Water,
- Water and Mass transport in Saturated-Unsaturated Porous Media,
- Mass Transport and Nitrogen Transformations in Surface Water and Ground Water,
- Environmental Hydraulics,
- Water, solute and heat balance in lakes and wetlands
- Modeling of temperature, dissolved oxygen and eutrophication in lakes,

- Wastewater treatment with natural systems
- Pesticide leaching and vulnerability of groundwater pollution
- Water and nutrients balance, soil properties in rice fields

Professional Experience.

Research and teaching assistant.

- University of Thrace, Depart. of Hydraulics and Hydraulic Works, 1979-1981.
- Aristotle University of Thessaloniki, Laboratory of Agricultural Chemistry, 1981-1983. Depart. of Hydraulics, Soil Science and Agr.Engineering, 1983-1988.

University Lecturer.

- Aristotle University of Thessaloniki, Faculty of Agriculture, Depart. of Hydraulics, Soil Science and Agr.Engineering, 1988-present.

Postdoctoral Research.

- University of Newcastle upon Tyne, Depart. of Agricultural and Environmental Science, United Kingdom, August to Dece. 1993 and Sept to Nov. 1995.
- University of Nottingham, Depart. Of Biological and Environmental Sciences, United Kingdom, May to July 1998.

Teaching Experience.

(a).Undergraduate level.

Water Pollution and Environmental Protection.
Applied Mathematics.
Environmental Hydraulics.
Unsaturated Flow

(b).Graduate level.

Water Pollution and Environmental Protection.
Advanced Applied Mathematics.
Advances in Irrigation Planning (Unsaturated Zone Hydrology)
Wetlands Hydrology

Participation in Research Programs

- «Mathematical Model for the Groundwater Flow of Pieria Basin (Katerini)», Dept. of Hydraulics, Soil Sci. and Agr.Engrg., School of Agriculture, Aristotle University of Thessaloniki, 1984-1986.
- «Conservation and Management of Greek Wetlands», Ecology laboratory, Aristotle University of Thessaloniki (Greece), WWF and IUCN, 1988-1989.
- «Research for drainage problems solution by using the correct distance of drainage channel and computing effort in irrigation projects of Greece», Dept. of Hydraulics, Soil Sci. and Agr.Engrg., School of Agriculture, Aristotle University of Thessaloniki (Greece), 1991-1994.
- «Irrigation management by using mathematical models», Dept. of Hydraulics, Soil Sci. and Agr.Engrg., School of Agriculture, Aristotle University of Thessaloniki (Greece), 1994-95.
- «Investigation of disposal possibilities for the wastewater of the city of Katerini», Aristotle University and Katerini municipalities, 1994-1995.
- «Study of water and nitrogen dynamics in the soil during fertilization and treatment wastewater by using mathematical models». Dept. of Hydraulics, Soil Sci. and Agr.Engrg., Aristotle University of Thessaloniki (Greece), 1996-98.

- «Water Resources Management in Chalkidiki», Dept. of Hydraulics, Soil Sci. and Agr. Engrg., Aristotle University of Thessaloniki (Greece), 1997-2001.
- «System for Water Monitoring and Sustainable Management Based on Ground Stations and Satellite Images», COPERNICUS Project No ERBIC 15 CT98 0107, E.C, (1999-2001).
- «Water and Nitrogen Management in Rice Fields to Water Efficient Use and Environmental Protection», EPEAEK Projects PYTHAGORAS II, (2005 to 2007)
- «Development of a shared master of science course on Agricultural engineering». INTERREG IIIA/PHARE Greece-Voulgaria.
- «Development of a shared master of science course for geotechnical and polytechnic schools». INTERREG IIIA/PHARE Greece-FYROM.

PUBLICATIONS

Papers in International and Greek Journals with review:

- Sakkas J. and V. Antonopoulos, 1981. Simple equations for Hooghoudt equivalent depth. **J. of the Irrigation and Drainage Div., ASCE**, 107: 411-414.
- Babajimopoulos C., Antonopoulos V.Z., and G. Terzidis, 1982. Critical analysis of the alternating direction explicit method (A.D.E.) for the study of unsteady groundwater flow. **Technical Chronica – Section A, volume 2, no 1-2, σ.83-108.**
- Antonopoulos, V.Z., 1983. Water Quality status of Axios river. **Bulletin of Hellenic Association of Irrigation and Drainage**. Issues 1-2/1983, pages 37-44.
- Diamantidis G.Ch. and V.Z. Antonopoulos., Distribution of inorganic nitrogen, total phosphorus and some other quality parameters in Vegoritis Lake, **Geotechnica** 6 (1984), pp. 37–47. (in Greek).
- Antonopoulos, V.Z., G. Tsihritzis and G. Diamantidis, 1984. Effects of municipal and industrial wastewater on water quality of Ptolemais river in N. Greece. **Geotechnica** 5(Noe 1984), pp 134-141. (in Greek).
- Antonopoulos V.Z. and Z.G. Papazafiriou, 1990. Simultaneous one-dimensional water flow and mass transport of conservative solutes in porous media. **Water Resources Management**, 4: 47-62.
- Antonopoulos V.Z. and Z.G. Papazafiriou, 1990. Solutions of one-dimensional water flow and mass transport equations in variably saturated porous media by the Finite Element method. **J. of Hydrology**, 119: 151-167.
- Antonopoulos V., 1991. Degradation of streams water quality and irrigation return flow. **Agricultural Research**, 15: 271-281 (in Greek).
- Antonopoulos V.Z. and Z.G. Papazafiriou, 1992. Solution of water flow and mass transport equations in variably saturated porous media by the Petrov-Galerkin method. **Hydrotechnica**, 2(1): 39-54 (in Greek).
- Antonopoulos, V., 1993. Simulation of water and nitrogen dynamics in soils during wastewater applications by using a finite element model, **Water Resources Management**, 7: 237-251.
- Antonopoulos V.Z., 1995. Correspondence between the parameters of different models of characteristic curve and hydraulic conductivity, **Geotechnic Scientific Issue**, 6(3): 11-20 (in Greek).
- Antonopoulos V.Z., Gr Diamantides and S. Tsouris, 1996. Vegoritis lake: A review on hydrological and quality parameter changes. **Geotechnic Scientific Issue**. 7(1): 63-78 (in Greek)..
- Antonopoulos, V., 1997. Simulation of soil dynamics on irrigated cotton in semi-arid climates. **Agricultural Water Management**, 34: 233-246.

- Antonopoulos, V. And G. Vouzis, 1997. Investigation of equilibrium and kinetic adsorption of Freundlich models during phosphorus transport in the soil. *Hydrotechnika*, 7: 3-18 (in Greek).
- Zalidis, G., X. Dimitriadis, V. Antonopoulos and A. Gerakis, 1997. Estimation of a network irrigation efficiency to cope with reduced water supply. *Irrigation and Drainage Systems*, 11: 337-345.
- Antonopoulos, V. and G. Wyseure, 1998. Modeling of water and nitrogen dynamics on an undisturbed soil and a restored soil after open-cast mining. *Agricultural Water Management*, 37: 21-40.
- Antonopoulos, V.Z., 1999. Comparison of Different Models to Simulate Soil Temperature and Moisture Effects on Nitrogen Mineralization in the Soil. *J. of Plant Nutrition and Soil Science*, 162: 667-675.
- Antonopoulos, V., 1999. Water balance in a restored soil after coal mining using the WANISIM model. *Technical Chronica Science Journal*, TCG, I, No 1-2, pp. 75-86, (in Greek)..
- Mitsiou, K., V. Antonopoulos and D. Papamichail, 2000. Statistical analysis of water quality parameters time series of Strymon River, *Hydrotechnika*, 9: 59-74 (in Greek).
- Antonopoulos, V. And A. Paulatou-Ve, 2000. Functions of morphological characteristics variation and plant mass of corn *Geotechnic Scientific Issue*. VI, 11(4): 316-324, (in Greek).
- Antonopoulos, V.Z., 2000. Modeling of soil water dynamics in an irrigated corn field using direct and pedotransfer functions for hydraulic properties. *Journal of Irrigation and Drainage Systems*, 14: 325-342.
- Antonopoulos, V.Z., 2001. Simulation of water and nitrogen balances of irrigated and fertilized corn-crop soil. *Journal of Irrigation and Drainage Engineering, ASCE*, 127(2): 77-83.
- Antonopoulos, V.Z., D. Papamichail and K.Mitsiou, 2001. Statistical and trend analysis of water quality and quantity data for the Strymon River in Greece, *Hydrology and Earth System Science*, 5: 679-691.
- Antonopoulos V., and S. Gianniou, 2003. Simulation of water temperature and dissolved oxygen distribution in Lake Vegoritis, Greece. *Ecological Modelling*, 160: 39-53.
- Manos, B., Th. Bournaris, N. Silleos, V. Antonopoulos, and J. Papathanasiou, 2004. A decision support system approach for rivers monitoring and sustainable management. *Environmental Monitoring and Assessment*, 96:85-98.
- Diamantopoulou, M.J., D.M. Papamichail and V.Z. Antonopoulos, 2005. The use of a neural network technique for the prediction of water quality parameters. *Operational Research. An International Journal*, 5(1): 115-125.
- Diamantopoulou, M.J., V.Z. Antonopoulos and D.M. Papamichail, 2007. Cascade correlation artificial neural networks for estimating missing monthly values of water quality parameters in rivers. *Water Resources Management*, 21: 649-662.
- Antonopoulos, V., 2006. Water movement and heat transfer simulations in a soil under ryegrass. *Biosystems Engineering*, 95:127-138.
- Gianniou, S. and V. Antonopoulos, 2007. Evaporation and energy budget in Lake Vegoritis, Greece. *Journal of Hydrology*, 345: 212-223.
- Rahil M. and V.Z. Antonopoulos 2007. Simulating soil water flow and nitrogen dynamics in a sunflower field irrigated with reclaimed wastewater. *Agricultural Water Management*, 92: 142-150.
- Antonopoulos V., Rahil M., D. Karamouzis and D. Papamichail, 2008. Effects of soil water and salinity stress on sunflower plants water uptake under field conditions. *Geotechnic Scientific Issue*, Volume 19 : 16-26.
- Antonopoulos, V., 2008. Modeling of Water and Nitrogen Balance in the Poned Water of Rice Fields, *Paddy Water Environment*, 6: 387-395.
- Antonopoulos V.Z., E.H. Lekakis and P.E. Georgiou, 2009. Irrigation scheduling with integrated models and the soil water balance method. *Hydrotechnika*, 17: 63- 76.
- Litskas, V., Aschonitis V. and V. Antonopoulos. 2009. Water quality in irrigation and drainage networks of Thessaloniki plain in Greece related to land use, water management, and agroecosystem protection. *Environmental Monitoring and Assessment*, DOI 10.1007/s10661-009-0839-3, 163: 347-359.
- Antonopoulos V., 2010. Modelling of water and nitrogen balances in the ponded water and soil profile of rice fields in Northern Greece. *Agricultural Water Management*, 98: 321-320.

- Lekakis, E.H., P.E. Georgiou, A. Pavlatou-Ve, V.Z. Antonopoulos, 2011. Effects of fixed partial root-zone drying irrigation and soil texture on water and solute dynamics in calcareous soils and corn yield. **Agricultural Water Management**, 101: 71– 80
- Aschonitis V.G., S.K. Kostopoulou, V.Z. Antonopoulos, 2012. Methodology to Assess the Effects of Rice Cultivation Under Flooded Conditions on van Genuchten's Model Parameters and Pore Size Distribution. **Transport in Porous Media**, 91(3): 861-876. DOI 10.1007/s11242-011-9876-9.
- Aschonitis V.G., Antonopoulos V.Z., Papamichail D.M., 2012. Evaluation of pan coefficient equations in a semi-arid Mediterranean environment using the ASCE standardized Penman-Monteith method. **Agricultural Sciences**, 3(1): 58-65.
- Aschonitis V.G., Antonopoulos V.Z., 2011. Saturated hydraulic conductivity determination modifying the KOZENY-CARMAN model, **Hydrotecnica**, Volume 20, pages 28-36, (in Greek).
- Aschonitis V.G., Antonopoulos V.Z., 2013. New equations for the determination of soil saturated hydraulic conductivity using the van Genuchten model parameters and effective porosity. **Irrigation and Drainage**. 62: 537-542.
- Aschonitis, V. G., A. S. Lithourgidis, C. A. Damalas and V. Z. Antonopoulos. 2013. Modelling yields of non-irrigated winter wheat in a semi-arid mediterranean environment based on drought variability. **Experimental Agriculture**. 49(3) 448-460, *Cambridge University Press*, doi: 10.1017/S001447971300015X.
- Antonopoulos, V. Z., P. Georgiou and C. Kolotouros. 2013. Soil water dynamic in cropped and no cropped field in Northern Greece using a dual permeability model. **Hydrological Sciences Journal**. 58(8) 1748-1759.
- Aschonitis V. G., Antonopoulos V. Z., Lekakis, E. H., Litskas, V., Kotsopoulos, S. A., Karamouzis D. G., 2013. Estimation of field capacity for aggregated soils using the changes of water retention curve under the effects of compaction, **European Journal of Soil Science**, 64: 688-698.
- Litskas, V., Aschonitis V. G., Lekakis, E. H., Antonopoulos V. Z., 2014. Effects of land use and irrigation practises on Ca, Mg, K, Na loads in rice-based agricultural systems. *Agricultural Water Management*, 132: 30-36.
- Gianniou, S. and V. Antonopoulos, 2014. Primary production and phosphorus modeling in Lake Vegoritis, Greece. *Advances in Oceanography and Limnology*. Accepted for publication

b. Conference Proceedings with review

- Antonopoulos V., 1985. A mathematical model for predicting of mass transport and ammonia nitrification in small stream. *Hydrotecnica*, vol.2, Xanthi, p.247-258, (in Greek).
- Babajimopoulos Ch., V. Antonopoulos, D. Papamichail and G. Terzidis, 1987. Estimation of recharge of unconfined aquifer of Pieria plain. **Hydrotecnica**, vol.3, Thessaloniki, p. 207-218, (in Greek).
- Antonopoulos, V., 1989 α . Simulation of mass transport and water quality parameters in small streams. *Proceedings of "Environmental protection and agricultural production"*, GEOTEE, Thessaloniki, Greece, pages. 525-543.
- Antonopoulos, V., 1989 β . Mathematical model of nitrogen mass transport in small streams from wastewater of point sources. In Lekkas Th. (editor), "**Environmental Science and Technology**", Mitilini, pages 434-444.
- Antonopoulos V., 1990. Simulation of nitrogen transport in soils during wastewater applications. L'Hermite, P. (ed), **Treatment and Use of Sewage Sludge and Liquid Agricultural Wastes**, Elsevier Sci. Publ., England, p. 323-332.
- Antonopoulos V. and D.Papamichail, 1991. Stochastic analysis of water quality parameters in streams. In Tsakiris G. (ed.), **Advances in Water Resources Technology, Balkema**, Rotterdam, pp.369-376.
- Antonopoulos, V., 1994. Simulation of water and nitrogen dynamics in a grassland irrigated with wastewater, In G.Tsakiris and M.A.Santos (eds), *Advances in Water Resources Technology and Management*, Balkema, Rotterdam, pp 263-268.

- Guitonas, A., H. Valioulis and V. Antonopoulos, 1995, Investigation of disposal possibilities for the wastewater of the city of Katerini (Greece). In Angelakis et al.(eds), Proceedings of 2nd International Symposium on **Wastewater Reclamation and Reuse**, IAWQ, Iraklio, pp. 493-499.
- Antonopoulos, V.Z. and G.C.Diamantidis, 1995. Analysis of environmental factors effect on nitrification and denitrification of nitrogen applied in the soil by wastewater. In Angelakis et al.(eds), Proceedings of 2nd International Symposium on **Wastewater Reclamation and Reuse**, IAWQ, Iraklio, pp. 461-470.
- Antonopoulos, V. and X. Dimitriadis, 1997, Evaluating irrigation system efficiency using GIS technology. Refsgaard J. and E. Karalis (eds) **Operational Water Management**, Balkema, Rotterdam, pp 363-467.
- Antonopoulos, V., and D. Papamichail,, 1997. Deficit on water balance of Vegoritis Lake-Analysis with time series processes, Proceedings of 7th **EYE Conference**, Patra, pp. 113-121, (in Greek).
- Papamichail D.M. and V.Z. Antonopoulos, 1998. Analysis of Vegorotis lake water balance deficit. In Katsifarakis et al. (editors), Protection and Restoration of Environment, Proceeding of an International Conference, p. 230-237.
- Antonopoulos V., and S. Gianniou, 1999. Water balance and salinization of Koronia Lake in North Greece, Proceedings of “*Water Resources Management of Sensitive Areas of Greece*”, EEDYP, Volos, Vol I, pp. 67-75, (in Greek).
- Antonopoulos V., 2000. Mass transport and adsorption of solutes in soil materials, Proceedings of 8th **EYE Conference**, Athens, pp. 443-451, (in Greek).
- Mitsiou, K., V. Antonopoulos and D. Papamichail, 2000. Trend analysis of water quality parameters of Strymon River, Proceedings of 8th **EYE Conference**, Athens, pp. 259-266, (in Greek).
- Papamichail, D., V. Antonopoulos and P. Georgiou, 2000. Stochastic Models for Strymon River Flow and Water Quality Parameters. In Proceedings of V Inter. Conference on **Protection and Restoration of the Environment**, Thasos Island, Greece.
- Paulatou-Ve A. And V. Antonopoulos, 2000. Evaluation of plant residuals and total nitrogen in a corn fields using logistic equation. Proceedings of 7th Conference of Hellenic Soil Science Association, (in Greek)..
- Antonopoulos, V., and S. Gianniou, 2001. Simulation of water temperature distribution in Vegoritis lake, Greece, In: Tsihrintzis, V.A. and P.Tsalides, Proceedings of **Ecological Protection of the Planet Earth I** conference, Democritus University of Thrace, Xanthi, pp221-230.
- Antonopoulos, V., and S. Tsiouris, 2001. Evaluation of nitrate groundwater pollution using leaching indices and environmental implications, In: Tsihrintzis, V.A. and P.Tsalides, Proceedings of **Ecological Protection of the Planet Earth I** conference, Democritus University of Thrace, Xanthi, pp51-58.
- Antonopoulos, V.Z., 2001. Nitrogen uptake and leaching during irrigation with treated municipal wastewater in corn fields, In Lekkas Th. (editor), Proceedings **Environmental Science and Technology** Conference, Syros, Greece.
- Antonopoulos, V.Z. and S.K.Gianniou, 2002. Effects of water balance deficit on temperature and dissolved oxygen in Vegoritis Lake, Greece. In Tsakiris (ed), **Water Resources Management in the ERA of Transition**, EWRA, Athens, pp.465-473.
- Bournaris, Th., B. Manos, N. Silleos and V. Antonopoulos, 2002. A decision support system approach for monitoring and sustainable management of Strymon river, Proceedings of 1st **Conference of HAICTA**, Athens, Greece, vol.I, pp 281-297.
- Alexiou, I.G., D.M. Papamichail and V.Z. Antonopoulos, 2002. Simulation of soil water balance and irrigation efficiency of maize crop. In Tsakiris (ed), **Water Resources Management in the ERA of Transition**, EWRA, Athens, pp. 387-395.
- Antonopoulos V. and Papamichail, D., 2002. Trend analysis of water quality parameters for two transboundary rivers in Northern Greece. Kungolos, Liakopoulos et al (eds), Proceedings of Inter. Conference on **Protection and Restoration of the Environment VI**, Skiathos Island, Greece, pp 83-90.
- Antonopoulos, V., and V. Papadimitriou, 2003. Water quality modeling of Aesonas stream (Pieria) using the QUAL2E model, Proceedings of 9th **EYE Conference**, Thessaloniki, pp. 217-224, (in Greek).

- Antonopoulos, V. and D. Michailidou, 2003. Simulation of soil water and temperature in a soil with plants using WANISIM model, Proceedings of 3rd Hellenic Conference of **Agricultural Engineers**, Thessaloniki, pp. 301-308, (in Greek).
- Diamantopoulou, M., D.M. Papamichail and V.Z. Antonopoulos, 2004. The use of a neural network technique for the prediction of water quality parameters, Proceedings of **HAICTA 2004** Conference, Thessaloniki, Greece, vol.I, pp 299-306.
- Antonopoulos, V.Z., 2004. Simulation of soil water, nitrogen, uptake and leaching during irrigation with treated wastewater in corn fields, using WANISIM model, Proceedings of **HAICTA 2004** Conference, Thessaloniki, Greece, vol.II, pp 37-46.
- Diamantopoulou, M., V.Z. Antonopoulos and D.M. Papamichail, 2004. The use of a neural network technique for the prediction of water quality parameters of Axios river in Northern Greece, Proceedings of **Water Resources Management: Risks and Challenges** for the 21st Century, EWRA, Ismir Turkey, pp 223-234.
- Antonopoulos V.Z., 2005. Evaluation of vulnerability of groundwater pollution from pesticides in Thessaloniki plain, Proceedings of 6th Hellenic Conference of HWARM, Xanthi, Greece, pp. 68-76, (**in Greek**).
- Rahil M., V.Z. Antonopoulos D. Karamouzis and D. Papamichail, 2006. Modeling soil water dynamics in a sunflower field irrigated with treated wastewater through drip irrigation system. Gidarakos et al (eds), Proceedings of Inter. Conference on **Protection and Restoration of the Environment VIII**, Chania, Greece, pp .
- Diamantopoulou, M., V.Z. Antonopoulos, D.M Papamichail and M Kokkora, 2006. Application of principal components and cluster analysis for the interpretation of the water quality data from Pinios river in Greece, Proceedings of 10th National Conference of EYE, Xanthi, pp. 339-346, (in Greek).
- Alexiou J., Papamichail D., Antonopoulos V., 2006. Soil water potential simulation and its uptake by plants in an irrigated field in thessaly, Proceedings of 10th National Conference of EYE, Xanthi, pp. 339-346, (in Greek).
- Aschonitis B., E. Baltas, Antonopoulos V., 2006. Hydrologic investigation of the basin of eordaios river. , Proceedings of 10th National Conference of EYE, Xanthi, pp. 23-30, (in Greek).
- Aschonitis B., E. Baltas, Antonopoulos V., 2006., 2006. Effects of Coal lignite Centre in Wets Macedonia on the climate in the area. Proceedings of 8th Hellenic Conference of **Climatology and Meteorology**, Athens, pages 23-30.
- Antonopoulos, V., 2007. Evaluation of Water and Nitrogen Balance in the Poned water of Rice Fields, Proceeding of **Water Resources Management: New Approaches and Technologies**, European Water Resources Association, Chania, Crete - Greece, 14-16 June 2007. pp343-351.
- Antonopoulos, V., Aschonitis, V., Litskas, V., 2007. Simulation of water balance in rice field using GLEAMS model. Proceeding of 6th National Conference of EEDYP "**Integrated water resources management on watershed basis**". 14-16 June, Chania Crete, (in Greek).
- Antonopoulos, V. Litskas, V., Aschonitis, V. and Tsiouris, S., 2007. Impact of irrigated agriculture on drainage water quality, Proceeding of 5th Conference of Greek Agricultural Engineers Association, (EGME), Larisa 18-20 October, pp. 237-245, (in Greek).
- Antonopoulos, V., Aschonitis, V., Rahil, M., Lekakis, E., 2007. Simulation of water and nitrogen balance in rice field with the gleams model, Proceeding of 5th Conference of Greek Agricultural Engineers Association, (EGME), Larisa 18-20 October, pp. 229-235, (in Greek).
- Gianniou, S. and V. Z. Antonopoulos, 2007. Estimation of Evaporation in Lake Vegoritis, Greece Proceeding of Water Resources Management: New Approaches and Technologies, European Water Resources Association, Chania, Crete - Greece, 14-16 June, pp 195-204.
- Antonopoulos, V., Lekakis, E., Paulatou-Ve A.,. Simulation of soil water and nitrogen dynamics in a silage cornfield, Proceeding of 5th Conference of Greek Agricultural Engineers Association, (EGME), Larisa 18-20 October, pp. 221-228, (in Greek).

- Alamanou M., Paulatou-Ve, A., Aschonitis, V., Litskas, V., and V. Antonopoulos, 2007. Variation of microbial activity in a rice field during the growing period, Proceeding of 5th Conference of Greek Agricultural Engineers Association, (EGME), Larisa 18-20 October, pp. 527-534, (in Greek).
- Gianniou, S. and V. Antonopoulos, 2008. Comparison of different evaporation estimation methods applied to Lake Vegoritis, Greece. e-Proceedings of IX International Conference on Protection and Restoration of Environment, July, Kefalonia.
- Aschonitis, V.G. and V.Z. Antonopoulos, 2008. Evaluation of the water balance and the soil and ponding water temperature in paddy-rice fields with the modified GLEAMS model, e-Proceedings of International Conference on Agricultural Engineering, Hersonissos Crete Greece, June 2008.
- Rahil, M., V. Antonopoulos and D. Karamouzis, 2008. Water and Nitrogen Dynamics in a Corn Field Irrigated with Treated Wastewater, e-Proceedings of International Conference on Agricultural Engineering, Hersonissos Crete Greece, June 2008.
- Aschonitis, V.G., S. Kostopoulou and V.Z. Antonopoulos, 2008. Effects of submergence irrigation in paddy-rice fields on pores size distribution, Proceedings of 12th Conference of Hellenic Association of Soil Science, Pyrgow Hlasi, Greece, pages. 233- 242.
- Antonopoulos, V.Z., and Z. Antonopoulos, 2009. Estimation of dispersion coefficient in Axios river. Proceedings of EYE-EEΔΥΠ conference, Volos, Greece, May, pag.427-435.
- Antonopoulos V. Z. and S.K. Gianniou, 2009. Lake Vegoritis in Greece: a Paradigm of Climate Change and Mismanagement Effects on Its Quantity and Quality Characteristics. E – Proceedings of 7th International Conference, European Water Resources Association (EWRA), 25 - 27 June 2009, Limassol, Cyprus, pp273-280.
- Aschonitis, V.G., and V.Z. Antonopoulos, 2009. Effects of submergence at rice fields on parameters of van Genuchten's soil water retention curve, Proceedings of 6th Conference of Agricultural Engineering, Thessaloniki, Greece, pages. 11- 18.
- Alexiou, J.G., D.M. Papamichail and V.Z. Antonopoulos, 2009. Inspection of the wave model behavior over a range of values of constant in time parameters, Proceedings of 6th Conference of Agricultural Engineering, Thessaloniki, Greece, pages. 26- 34.
- Antonopoulos, V.Z. and S. Kotsopoulos, 2009. Soil water dynamics simulation in a field under drip irrigation using the numerical model SWMS_3D, Proceedings of 6th Conference of Agricultural Engineering, Thessaloniki, Greece, pages. 35- 44.
- Georgiou, P.E. V.Z. Antonopoulos and E.H. Lekakis, 2010. Soil water balance and distribution in a field of maize under partial root-zone drying drip irrigation. e-Proceedings of Protection and Restoration of the Environment IX, Corfu, 05-09 July, 2010, pages 10.
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- Aschonitis, V.G., A.S. Lithourgidis, C.A. Damalas, V.Z. Antonopoulos, 2010. Analysis of monthly climatic data to predict winter wheat yields in clay and sandy loam soils using linear models. e-Proceedings of Protection and Restoration of the Environment IX, Corfu, 05-09 July, 2010, pages 10.
- Lekakis, E., Georgiou, P., Paulatou-Ve, A, Antonopoulos VZ., 2010. Διακύμανση της Υγρασίας και της Αλατότητας σε Ασβεστούχα Εδάφη και Καλλιέργεια Καλαμποκιού υπό Άρδευση με τη Μέθοδο της Μερικής Ύγρανσης του Ριζοστρώματος. Πρακτικά 13^{ου} Πανελληνίου Εδαφολογικού Συνεδρίου, Λάρισα, 59-69.
- Antonopoulos V.Z., G. Fragoulis, E. Papadopoulou-Mourkidou, Z. Vryzas. Εκτίμηση του κινδύνου εκπλυσης φυτοπροστατευτικων ουσιών σε αγρό αραβοσίτου με το μοντέλο REARL 1.1.1., Πρακτικά 7^{ου} Συνεδρίου Γεωργικής Μηχανικής, Αθήνα.
- Kolotouros, C., Antonopoulos, V. Z., P. Georgiou. 2012. Soil water balance and deep percolation under no tillage soil using the MACRO model. 2nd Joint conference of E.Y.E. - E.E.D.Y.P., 11-13 October 2012, Patra, pages 834-845.

- Kotsopoulos A. and V.Z. Antonopoulos. 2012. Comparison and evaluation of 2d and 3d models simulating soil water in cultivated field under drip irrigation. 2nd Joint conference of E.Y.E. - E.E.D.Y.P., 11-13 October 2012, Patra, pages 815-824.
- Lekakis, E., Paulatou, A. Papadopoulos A., Antonopoulos V., Psoma P., Mpountla A., Petridou N., Koukouli S., 2012. Συσχέτιση ποιοτικών παραμέτρων εδαφικού διαλύματος μικρολυσίμετρων κενού (suction cups) με το εκχύλισμα κορεσμού σε κατακλυσμένο ορυζώνα. Πρακτικά 14^{ου} Πανελληνίου Εδαφολογικού Συνεδρίου. 1-2 Νοεμβρίου 2012, Θεσσαλονίκη. Υπό δημοσίευση
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- *J. of Water Resources Management of Kluwer Academic Publishers.*
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- *Ecological Modelling*
- *Journal of Environmental Monitoring and Assessment*
- *Hydrological Processes Journal*
- *Transaction of ASABE*
- *Soil Science of America Society Journal*
- *Research projects of EKY, Museum of Physics History.*
- *Articles for conference of EYE, Agricultural Engineers etc.*
- Reviewer of research proposals of General Secretariat of Research and Technology of Development Ministry and Research of Thessaly University.
- Supervisor for 10 graduate students and 6 doctoral students.
- Director of Agricultural Engineering and Water Resources MSc program for the period 2002-2006.
- Committee member of scientific associations α) Hellenic Hydrotechnical Association (2001-2004) και β) Hellenic Association of Agricultural Engineers (2001-2014).
- President of Hellenic Association of Agricultural Engineers (2007 to 2009)
- Director of Hydraulics, Soil science and Agricultural engineering department of School of Agriculture of Aristotle University of Thessaloniki for the periods 2006-07 to 2007-08 and 2010-11 to 2011-12.

- Director of General and Agricultural Hydraulics and Reclamation Laboratory Hydraulics, Soil science and Agricultural engineering department of School of Agriculture of Aristotle University of Thessaloniki since January 2013.
- President of organized committee of 6th Hellenic Conference of Agricultural Engineering Association (EGME), Thessaloniki 8-10 October 2009.
- Member of organized committee of International Conference on Agricultural Engineering (AGENG2008), Hersonissos Crete Greece, June 2008

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