

Curriculum Vitae – Ioannis Panagopoulos

Personal Information

Full name: Ioannis N. Panagopoulos
Position: Assistant Professor
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Education

1. 12/2004 – 12/2010: PhD

National Technical University of Athens (NTUA), School of Civil Engineering, Sector of Water Resources and Environmental Engineering, Laboratory of Hydrology and Water Resources Development.

Subject: Decision making for planning sustainable measures for water quality protection against non-point source pollution.

Advisory Committee:

M. Mimikou, Professor National Technical University Athens (Supervisor)

E. Baltas. Prof. NTUA, former Associate Professor Aristotle University of Thessaloniki

C. Makropoulos. Assoc. Prof. National Technical University Athens

Scholar of Greek State Scholarship's Foundation for PhD studies in the scientific field: «Sustainable Water Resources Management», 11/2005-11/2008.

2. 9/2002 – 2/2004: Postgraduate studies

NTUA, School of Civil Engineering

MSc in Water Resources Science and Technology (8.33/10)

Specialization: Hydrology and Environmental Management of Water Resources

Master thesis subject: «Soil Investigation for the Improvement of the SWAT model Performance in Assessing Land Use Changes Effects in the Thessaly Plain» (supervisor: Prof. M. Mimikou)

3. 9/1997 – 9/2002: Undergraduate studies

Agricultural University of Athens, Diploma in Natural Resources Development & Agricultural Engineering (7.41/10). Specialization: Water Resources Management

Thesis subject: Representation of the Hydrogeological Regime of the Wider Area of Lake Koumoundourou, Aspropirgos, Attica with the Use of MODFLOW for Groundwater Flow Simulation. (Supervisor: Associate Prof. Th. Mimides)

Work experience

1. July 2022 – present:

Assistant Professor in Agricultural Hydraulics and Environmental Hydrology. Department of Hydraulics, Soil Science and Agricultural Engineering, School of Agriculture, Aristotle University of Thessaloniki.

➤ **Teaching courses**

Academic years: 2022 - 2025

- N203Y *Quality, protection and Pollution of Water Resources* (Undergraduate 7th Semester)
- N204Y *Closed pipes and open channels hydraulics* (Undergraduate 6th Semester)
- N234E *Applied Mathematics* (Undergraduate 6th Semester)
- N246E *Hydrology of the unsaturated zone* (Undergraduate 10th Semester)
- NΔΕΕΠ107 *Water quality and environmental protection* (Postgraduate course of the master program 'Soil, Water, Energy Resources and Agricultural Environment Management')

Academic years: 2023 - 2025

- N235E *Design and management of reclamation works* (Undergraduate 9th Semester)
- NΔΕΕΠ103 *Plant-soil relationships* (Postgraduate course of the master program 'Soil, Water, Energy Resources and Agricultural Environment Management')

➤ **Coordination of research projects (PI)**

- 10/2023-9/2025
Title: **BIOGRASS:** BIOenergy production in the Thessaly plain: A pilot example towards energy security in Greece based on the perennial crop switchGRASS.
Action: HFRI. «Basic Research Financing Action “Horizontal support of all sciences» of the National Recovery and Resilience Plan Greece 2.0, funded by the European Union—NextGenerationEU (Project number: 16425)
Funding Body: Hellenic Foundation of Research and Innovation (HFRI)
- 3/2025-2/2028
Title: **SUSTAIN-R:** Sustainable nutrient cycling of nitrogenous and phosphate wastes for aquatic ecosystem restoration and nourishment.
Action: «Participation of Greece in the European co-funded Partnership for Water Security for the Planet».
European Funding Body: Water4All Partnership -Water Security for the planet / EU HORIZON EUROPE PROGRAMME.
National Funding Body: GSRI (General Secretariat for Research and Innovation)

➤ **Students supervising**

Thesis title	Student name	Start date/status	Thesis type
Determining Best Agricultural Practices Using Hydroinformatics for the Protection of the Aquatic Environment	Kokkinaki Iamprini	12-2023 / In progress	PhD
Optimization of bioenergy crop allocation in a watershed for bioenergy production and nitrate pollution control	Sismanidi Maria	11-2023 / In progress	PhD
Investigation of the effects of energy crop cultivation on water quality	Vyziotis Apostolos	3-2023 / In progress	Postgraduate
Analysis of the physicochemical status of surface waters using quality indicators	Ritsatou Despoina	3-2024 / In progress	Postgraduate
The role of soil and vegetation cover in the simulation of watershed runoff	Konstantinidi Ioanna	3-2025 / In progress	Undergraduate

➤ **Other actions in the School of Agriculture**

- Member of the assembly of the Department of Agriculture, Aristotle University of Thessaloniki for the academic year 2024-2025 (P.No. 80013/5-7-2024)
- Member of the three-member committee of the Department of Agriculture, Aristotle University of Thessaloniki for the internal mobility of students between first-cycle study programs of Higher Educational Institutions (appointed at the assembly No. 1007/12-12-2024 of the Department of Agriculture)
- Member of the committee for the internal regulations of the Department of Agriculture, Aristotle University of Thessaloniki (from 11/2023)
- Member of the 8th working group of the GEO.T.E.E. (12 members) for the submission of documented proposals aimed at managing the flooding phenomena exacerbated by the climate crisis, within the framework of the general action to address the impacts of the climate crisis on primary production and the natural environment in the geographical area of the Regional Branch of Central Macedonia of GEOTEE. (prefectures of Imathia, Thessaloniki, Kilkis, Pella, Pieria and Chalkidiki (P.No. 98/02-02-2024 GEO.T.E.E.))
- Member of the seven-member examination committee for the assessment of the doctoral thesis entitled: Evaluation of the Effectiveness of Hydrological Simulation, of a Distributed Hydrological Model Using Satellite Data, in the Lake Kastoria Basin of the doctoral candidate Papadimos Dimitrios (P.No. 82435/30-6-2023, Examination: December 2023)
- Member of the three-member committee for the assessment of the master's thesis Effect of plastics (Geofabric) on the accumulation of heavy metals by industrial hemp (*Cannabis sativa* L.) by postgraduate student Alexiadis Dimitrios (Examination: April 2024)
- Speaker at the Agrotica conference (Thessaloniki 3-4/2/2024) Re-Thinking Agriculture: Systemic approaches for the regeneration of agriculture and the countryside, at the round table on the topic: Management of infrastructure and systems for the strengthening-modernization of agriculture
- Speaker at the webinar entitled 'Soil salinity in the Mediterranean region: implications and recommendations for policy actions' organized by the International Network on Salt-Affected Soils (INSAS) under the auspices of FAO (5/3/2025). Presentation entitled 'Soil Salinization in Agricultural Soils of Greece: Implications and Recommendations for Actions'.

2. May 2018 – June 2022:

Postdoctoral researcher in the Institute of Marine Biological Resources and Inland Waters of the Hellenic Centre for Marine Research (<https://www.hcmr.gr/en/>).

Research projects:

- Monitoring and recording of the status (quality, quantity, pressures, and uses) of surface waters of Greece (<https://wfd.hcmr.gr/>).
- HIMIOFoTS (2018-2021). Hellenic Integrated Marine-Inland waters Observing Forecasting and offshore Technology System (<https://www.himiofots.gr/>).
- COASTAL (2018-2022): Collaborative Land Sea Integration Platform. EU H2020 No 773782 (<https://h2020-coastal.eu/>).
- JRC-IRP No.937804. Lot 9 Landscape elements for water retention (LWR) in a Mediterranean environment (2019-2020): A Large-Scale Nature-Based Solution in Agriculture for Sustainable Water Management: The Lake Karla case.

3. December 2013 – April 2018:

Postdoctoral researcher at NTUA, School of Civil Engineering, Department of Water Resources and Environmental Engineering, Laboratory of Hydrology and Water Resources Development.

Research project:

- MARS (2/2014-1/2018): Managing Aquatic ecosystems and water Resources under multiple Stress. DG Research FP7-ENV-2013. <http://www.mars-project.eu/>. WP5 Co-Leader, more at: <https://freshwaterblog.net/2014/07/22/meet-the-mars-team-yiannis-panagopoulos/>
- National project NOMOTELEIA (2012-2015): Combining NOvel MOdeling TEchniques and socio-economic considerations for effective, efficient and acceptabLE Best Management Practices In Agricultural River Basins. EXCELLENCE I – GSRT.

4. June 2012 – November 2013:

Postdoctoral research associate at Center for Agricultural and Rural Development (<http://www.card.iastate.edu/>), Iowa State University, Ames, IA, USA.

Research projects:

- National Science Foundation, Dynamics of Coupled Natural and Human Systems Program, award DEB1010259, "Understanding Land Use Decisions & Watershed Scale Interactions: Water Quality in the Mississippi River Basin & Hypoxic Conditions in the Gulf of Mexico".
- US Department of Agriculture, National Institute of Food and Agriculture, Agriculture and Food Research Initiative, award 20116800230190, "Climate Change, Mitigation, and Adaptation In Corn-Based Cropping Systems". <http://sustainablecorn.org/>
- U.S. Department of Agriculture, National Institute of Food and Agriculture, Agriculture and Food Research Initiative, award 20116800530411, "Sustainable Production and Distribution of Bioenergy for the Central U.S.: An Agro-ecosystem Approach to Sustainable Biofuels Production via the Pyrolysis-Biochar Platform".

5. January 2011 – May 2012:

Postdoctoral Researcher at National Technical University of Athens, School of Civil Engineering, Department of Water Resources and Environmental Engineering, Laboratory of Hydrology and Water Resources Development.

Research projects:

- i-adapt. EU/DG Environment. Innovative approaches to halt desertification in Pinios: Piloting emerging technologies (2011-2012).
- EPI-Water. EU/DG Research FP7 project: Evaluating Economic Policy Instruments for Sustainable Water Management in Europe (2011-2013).

6. February 2004 – December 2010:

Researcher at NTUA, School of Civil Engineering, Department of Water Resources and Environmental Engineering, Laboratory of Hydrology and Water Resources Development.

Research projects:

- Euroharp, EU/DG Research FP5 project. Towards European Harmonized Procedures for Quantification of Nutrient Losses from Diffuse Sources.
- Cadsealand, Interreg III B CADSES. Land-sea interaction: coastal state and evolution in CADSES (Central, Adriatic, Danubian and South-Eastern European Space).
- Hydrocare, Interreg III B CADSES. Hydrological cycle of the CADSES regions.
- Floodmed, Interreg III B CADSES. Monitoring, forecasting and best practices for FLOOD Mitigation and prevEntion in the CADSES region.
- Meddman, Interreg III B CADSES. Integrated water resources management, development and comparison of common transnational methodologies to combat drought in the MEDOCC regions.
- ETC/W. The European Topic Centre on Water (ETC/W) is an international consortium brought together to support the European Environment Agency (EEA - <http://www.eea.europa.eu/>) in its mission to deliver reliable information to policy-makers and the public for the development and implementation of sound environmental policies in the European Union.
- FLAPP: Flood Awareness & Prevention Policy in border areas.
- SPI-WATER EU/DG Research FP5 project: Science – Policy Interfacing in support of the Water Framework Directive implementation.
- HARMONQUA EU/DG Research FP5 project: Harmonising Quality Assurance in model based catchment and river basin management.
- Harmon IT – IT Frameworks EU/DG Research FP5 project.
- Bringing the OpenMi to Life EU/DG Environment project.
- IWRM-net EU/DG Research FP6 project: Towards a European-wide exchange network for improving dissemination of Integrated Water Resources Management research outcomes.

7. July 2001 – August 2001 and July 2002 – August 2002:

Agricultural University of Athens, Laboratory of Agricultural Hydraulics.

Participation in the project: Rational Exploitation and Economical Management of Water Resources and Environment of the Vathi Hydrological Catchment in Kalymnos Island, Greece.

Other scientific activities

- Greek national representative in the COST Action 869: Mitigation options for nutrient reduction in surface water and groundwaters", (2006-2011), <http://www.cost869.alterra.nl>

- Associate Editor of the Hydrological Sciences Journal
<https://www.tandfonline.com/journals/thsj20>.
- Editorial Board member of the journal *hydrology*:
<https://www.mdpi.com/journal/hydrology/editors>
- Guest Editor of the Special Issue in *hydrology* journal: "Hydrological Modelling for the Sustainable Management of Water Resources in River Basins"
https://www.mdpi.com/journal/hydrology/special_issues/9P93109E5N
- Guest Editor of the Special Issue in *sustainability* journal: "Sustainable Planning and Management of Water Resources in Agriculture"
https://www.mdpi.com/journal/sustainability/special_issues/Sustainable_Planning_Management_Water_Resources_Agriculture
- Guest Editor of the Special Issue in *water* journal: "Remote Sensing and Hydrologic Modeling in Sustainable River Basin Management"
http://www.mdpi.com/journal/water/special_issues/Remote_Sensing_Hydrologic_Modeling_River
- Speaker at the webinar titled 'Nature-based solutions for climate and water pollution mitigation in agricultural regions' organized by the Joint Research Center (28/11/2022). Presentation titled 'The Lake Karla case study: restoration of a formerly drained natural lake in Thessaly, Greece'.
- Reviewer of International Scientific Journals (in bold > 5 reviews):
Agricultural Water Management – *climate* – *Computers and Electronics in Agriculture* – *Ecological Engineering* – *Ecological Modelling* – *Ecological Indicators* – *Environmental Modelling and Software* – *Environmental Processes* – *Environmental Science and Pollution Research* – *GCB Bioenergy* – *Global Nest Journal* – *Great Lakes Research* – *Hydrobiologia* – *Hydrological Processes* – ***Hydrological Sciences Journal*** – ***hydrology*** – ***Journal of Environmental Management*** – *Journal of Environmental Quality* – *Journal of Hydro-Environmental Research* – ***Journal of Hydrology*** – *Journal of Water and Climate Change* – *Journal of Water Resources Planning and Management* – *Land Degradation & Development* – ***Science of the Total Environment*** – ***Sustainability*** – ***Water*** – ***Water Resources Management***.
- *Hydrological Sciences Journal* Reviewer Award for 2021. (<https://iahs.info/Publications-News/Hydrological-Sciences-Journal/Awards.do>).
- Member of the Geotechnical Chamber of Greece (GEOTEE).
- Member of the Greek Hydro technical Society (EYE).
- Member of the National Committee to Combat Desertification for a term of one year (Government Gazette 465/14-6-2021)
- Regular member of the scientific committee of international conferences on the SWAT model (Soil and Water Assessment Tool - <http://swatmodel.tamu.edu/>) and actions for the organization of the 2026 conference in Thessaloniki.
- Coordination of discussions/presentations at national and international conferences.

Teaching Assistance and co-supervision of theses

Undergraduate course in the 5th semester of studies in School of Civil Engineering, NTUA.

- Technical Hydrology (academic years: 2004-2005 – 2010-2011)

Undergraduate courses in the 9th semester of studies in School of Civil Engineering, NTUA.

- Water Resources Systems Technology (academic years: 2008-2009 – 2010-2011)
- Reclamation Works in Agriculture (academic years: 2008-2009 – 2010-2011)

Postgraduate courses of the NTUA Master cycle: 'Water Resources Science and Technology'

- Advanced Hydrology (academic years: 2005-2006 – 2011-2012)
- Floods and Flood Protection Works (academic years: 2005-2006 – 2011-2012)

Co-supervising of undergraduate and postgraduate theses:

- Nine (9) undergraduate theses in School of Civil Engineering, NTUA.
- Fifteen (15) postgraduate theses in the MSc "Water Resources Science and Technology".

Publications in peer-reviewed journals

H-index (Google Scholar): 33. H-index (Scopus): 28. (Jan. 2026).

Google Scholar: <https://scholar.google.gr/citations?user=4Dq0rroAAAAJ&hl>

Research gate: https://www.researchgate.net/profile/Yiannis_Panagopoulos

LinkedIn: <https://www.linkedin.com/in/yiannis-panagopoulos-59212223/>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=26323295600>

ORCID: <https://orcid.org/0000-0002-8809-7497>

- Kokkinaki, L., M. Sismanidi, H. Georgoussis, S. Kavalieratou, K.D. Giannoulis, Y. Panagopoulos, 2025. Multi-Objective Optimization Linking NSGA-II and SWAT Bioenergy Crop Simulations for Cost-Effective Reductions of Nitrate Load and Irrigation Water. *Environmental Processes* 12. <https://doi.org/10.1007/s40710-025-00809-8>.
- Sismanidi, M., L. Kokkinaki, S. Kavalieratou, H. Georgoussis, K.D. Giannoulis, E. Dimitriou, **Y. Panagopoulos**, 2025. Assessing the Effects of Bioenergy Cropping Scenarios on the Surface Water and Groundwater of an Intensively Agricultural Basin in Central Greece *Hydrology* 12(4): 66. <https://doi.org/10.3390/hydrology12040066>.
- Papadaki, C., P. Mitropoulos, **Y. Panagopoulos**, E. Dimitriou, 2024. Addressing large scale patterns of no-flow events in rivers: An in-depth analysis with Achelous software *Journal of Hydrology* 645: 132160. <https://doi.org/10.1016/j.jhydrol.2024.132160>.
- Matiatos, I., A. Papadopoulos, **Y. Panagopoulos**, E. Dimitriou, 2023. Insights into the influence of morphology on the hydrological processes of river catchments using stable isotopes *Hydrological Sciences Journal* 68(11): 1487-1498. <https://doi.org/10.1080/02626667.2023.2224005>.
- Matiatos, I., C. Moeck, Y. Vystavna, H. Marttila, N. Orłowski, S. Jessen, J. Evaristo, M. Sebiló, G. Koren, E. Dimitriou, S. Müller, **Y. Panagopoulos**, M.P. Strockinger, 2023. Nitrate isotopes in catchment hydrology: Insights, ideas and implications for models *Journal of Hydrology* 626: 130326. <https://doi.org/10.1016/j.jhydrol.2023.130326>.
- Galia, T., V. Škarpich, L. Vardakas, E. Dimitriou, **Y. Panagopoulos**, V. Spálovský, 2022. Spatiotemporal variations of large wood and river channel morphology in a rapidly degraded reach of an intermittent river *Earth Surface Processes and Landforms* 48(5): 997-1010. <https://doi.org/10.1002/esp.5531>.
- Varlas, G., K. Stefanidis, G. Papaioannou, **Y. Panagopoulos**, I. Pytharoulis, P. Katsafados, A. Papadopoulos, E. Dimitriou, 2022. Unravelling Precipitation Trends in Greece since 1950s Using ERA5 Climate Reanalysis Data. *Climate*, 10, 12. <https://doi.org/10.3390/cli10020012>.
- Panagopoulos, Y.** D.E Alexakis, N.T.Skoulikidis, S. Laschou, A. Papadopoulos, E. Dimitriou, 2022. Implementing the CCME Water Quality Index for the Evaluation of the Physicochemical Quality of Greek Rivers. *Water*, 14, 2738. <https://doi.org/10.3390/w14172738>.
- Mamassis, N., Mazi, K., Dimitriou, E., Kalogeras, D., Malamos, N., Lykoudis, S., Koukouvinos, A., Tsirogiannis, I., Papageorgaki, I., Papadopoulos, A., **Panagopoulos, Y.**, Koutsoyiannis, D., Christofides, A., Efstratiadis, A., Vitantzakis, G., Kappos, N., Katsanos, D., Psiloglou, B., Rozos, E., Kopania, T., Koletsis, I., Koussis, A.D., 2021. OpenHi.net: A Synergistically Built, National-Scale Infrastructure for Monitoring the Surface Waters of Greece. *Water* 13, 2779. <https://doi.org/10.3390/w13192779>.
- Panagopoulos, Y.**, A. Papadopoulos, G. Poulis, E. Nikiforakis, E. Dimitriou, 2021. Assessment of an Ultrasonic Water Stage Monitoring Sensor Operating in an Urban Stream. *Sensors* 21, 4689. <https://doi.org/10.3390/s21144689>.
- Panagopoulos, Y.**, A. Konstantinidou, K. Lazogiannis, A. Papadopoulos, E. Dimitriou, 2021. A New Automatic Monitoring Network of Surface Waters in Greece: Preliminary Data Quality Checks and Visualization. *Hydrology* 8, 33 <https://doi.org/10.3390/hydrology8010033>. Selected as the cover page of *Hydrology* Volume 8, Issue 1 (March 2021): <https://www.mdpi.com/2306-5338/8/1/33>.

12. **Panagopoulos, Y.**, E. Dimitriou, **2020**. A Large-Scale Nature-Based Solution in Agriculture for Sustainable Water Management: The Lake Karla case. *Sustainability* 12(17), 6761. <https://doi.org/10.3390/su12176761>.
13. Lemm, J.U., M. Venohr, L. Globevnik, K. Stefanidis, **Y. Panagopoulos**, J. van Gils, L. Posthuma, P. Kristensen, C.K. Feld, D. Hering, S. Birk, **2021**. Multiple stressors determine river ecological status at the European scale: Towards an integrated understanding of river status deterioration. *Global Change Biology* 27, 1962–1975. <https://doi.org/10.1111/gcb.15504>.
14. Birk, S., D. Chapman, L. Carvalho, B. Spears, H.E. Andersen, C. Argillier, S. Auer, A. Baattrup-Pedersen, L. Banin, M. Beklioglu, E. Bondar-Kunze, A. Borja, P. Branco, T. Bucak, A. Buijse, A.C. Cardoso, R.M. Couture, F. Cremona, D. de Zwart, C. Feld, M.T. Ferreira, H. Feuchtmayr, M. Gessner, A. Gieswein, L. Globevnik, D. Graeber, W. Graf, C. Gutiérrez-Cánovas, J. Hanganu, U. Iskin, M. Järvinen, E. Jeppesen, N. Kotamäki, M.J.M. Kuijper, J. Lemm, S. Lu, A.L. Solheim, U. Mischke, S.J. Moe, P. Nöges, T. Nöges, S. Ormerod, **Y. Panagopoulos**, G. Phillips, L. Posthuma, S. Pouso, C. Prudhomme, K. Rankinen, J. Rasmussen, J. Richardson, A. Sagouis, J. Santos, R. Schaefer, R. Schinegger, S. Schmutz, S. Schneider, L. Schülting, P. Segurado, K. Stefanidis, B. Sures, S. Thackeray, J. Turunen, M.C. Uyarra, M. Venohr, P.C. von der Ohe, N. Willby, D. Hering, **2020**. Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. *Nature Ecology & Evolution* <https://www.nature.com/articles/s41559-020-1216-4>.
15. Papaioannou, G., G. Varlas, G. Terti, A. Papadopoulos, A. Loukas, **Y. Panagopoulos**, E. Dimitriou, **2019**. Flood Inundation Mapping at Ungauged Basins Using Coupled Hydrometeorological–Hydraulic Modelling: The Catastrophic Case of the 2006 Flash Flood in Volos City, Greece. *Water* 11(11), 2328 <https://doi.org/10.3390/w11112328>.
16. **Panagopoulos, Y.**, E. Dimitriou, N. Skoulikidis, **2019**. Vulnerability of a Northeast Mediterranean Island to Soil Loss. Can Grazing Management Mitigate Erosion? *Water* 11(7), 1491 <https://doi.org/10.3390/w11071491>.
17. Carvalho, L., E.B. Mackay, A.C. Cardoso, A. Baattrup-Pedersen, S. Birk, K.L. Blackstock, G. Borics, A. Borja, C.K. Feld, M.T. Ferreira, L. Globevnik, B. Grizzetti, S. Hendry, D. Hering, M. Kelly, S. Langaas, K. Meissner, **Y. Panagopoulos**, E. Penning, J. Rouillard, S. Sabater, U. Schmedtje, B.M. Spears, M. Venohr, W. de Bund, A.L. Solheim, **2019**. Protecting and restoring Europe's waters: an analysis of the future development needs of the Water Framework Directive. *Science of the Total Environment* 658, 1228–1238 <https://doi.org/10.1016/j.scitotenv.2018.12.255>.
18. **Panagopoulos, Y.**, K. Stefanidis, M. Faneca Sanchez, F. Sperna Weiland, R. Van Beek, M. Venohr, L. Globevnik, M. Mimikou, S. Birk, **2019**. Pan-European Calculation of Hydrologic Stress Metrics in Rivers: A First Assessment with Potential Connections to Ecological Status. *Water* 11 (4), 703 <https://doi.org/10.3390/w11040703>.
19. Mentzafou, A., **Y. Panagopoulos**, E. Dimitriou, **2019**. Designing the National Network for Automatic Monitoring of Water Quality Parameters in Greece. *Water* 11 (6), 1310 <https://doi.org/10.3390/w11061310>.
20. Stefanidis, K., **Y. Panagopoulos**, M. Mimikou, **2018**. Response of a multi-stressed Mediterranean river to future climate and socio-economic scenarios. *Science of the Total Environment* 627, 756–769 <https://doi.org/10.1016/j.scitotenv.2018.01.282>.
21. Kling, C.L., I. Chaubey, R. Cibin, P.W. Gassman, **Y. Panagopoulos**, **2017**. Policy implications from multi-scale watershed models of biofuel crop adoption across the Corn Belt. *Journal of the American Water Resources Association*. 53(6), 1313–1322 <https://doi.org/10.1111/1752-1688.12592>.
22. Cibin, R., I. Chaubey, R.L. Muenich, K.A. Cherkauer, **Y. Panagopoulos**, P.W. Gassman, C.L. Kling, **2017**. Influence of bioenergy crop production and climate change on ecosystem services. *Journal of the American Water Resources Association*. 53(6), 1323–1335 <https://doi.org/10.1111/1752-1688.12591>.
23. Gassman, P.W., A. Valcu, C.L. Kling, **Y. Panagopoulos**, R. Cibin, I. Chaubey, C.F. Volter, and K.E. Schilling, **2017**. Assessment of bioenergy cropping scenarios for the

- Boone River watershed in North Central Iowa, United States. *Journal of the American Water Resources Association* 53(6), 1336-1354 <https://doi.org/10.1111/1752-1688.12593>.
24. **Panagopoulos, Y.,** P.W. Gassman, C.L. Kling, R. Cibin, and I. Chaubey, **2017**. Water quality assessment of large-scale bioenergy cropping scenarios for the Upper Mississippi and Ohio-Tennessee River basins. *Journal of the American Water Resources Association*. 53(6), 1355-1367 <https://doi.org/10.1111/1752-1688.12594>.
 25. Psomas, A., **Y. Panagopoulos,** K. Stefanidis, M. Mimikou, **2017**. Assessing future water supply and demand in a water-stressed catchment after environmental restrictions on abstractions. *Journal of Water Supply: Research and Technology – AQUA*, 66(7): 442-453 <https://doi.org/10.2166/aqua.2017.130>.
 26. Psomas, A., V. Dagalaki, **Y. Panagopoulos,** D. Konsta, M. Mimikou, **2016**. Sustainable agricultural water management in Pinios river basin using remote sensing and hydrologic modeling. *Procedia Engineering* 162, 277-283 <https://doi.org/10.1016/j.proeng.2016.11.059>.
 27. Psomas, A., **Y. Panagopoulos,** D. Konsta, M. Mimikou, **2016**. Designing water efficiency measures in a catchment in Greece using WEAP and SWAT models. *Procedia Engineering* 162, 269-276 <https://doi.org/10.1016/j.proeng.2016.11.058>.
 28. Stefanidis, K., **Y. Panagopoulos,** A. Psomas, M. Mimikou, **2016**. Assessment of the natural flow regime in a Mediterranean river impacted from irrigated agriculture. *Science of the Total Environment* 573, 1492-1502 <https://doi.org/10.1016/j.scitotenv.2016.08.046>.
 29. Stefanidis, K., **Y. Panagopoulos,** M. Mimikou, **2016**. Impact assessment of agricultural driven stressors on benthic macroinvertebrates using simulated data, *Science of the Total Environment* 540, 32-42 <https://doi.org/10.1016/j.scitotenv.2015.08.015>.
 30. **Panagopoulos, Y.,** P.W. Gassman, R.W. Arritt, D.E. Herzmann, T.D. Campbell, A. Valcu et al., **2015**. Impacts of climate change on hydrology, water quality and crop productivity in the Ohio-Tennessee River Basin. *International Journal of Agricultural and Biological Engineering* 8(3), 29-46 DOI: 10.3965/j.ijabe.20150803.1497.
 31. **Panagopoulos, Y.,** P.W. Gassman, M.K. Jha, C.L. Kling, T. Campbell, R. Srinivasan, M. White and J.G. Arnold, **2015**. A refined regional modeling approach for the Corn belt – Experiences and recommendations for large scale integrated modeling. *Journal of Hydrology* 524, 348-366 <https://doi.org/10.1016/j.jhydrol.2015.02.039>.
 32. Hering, D., L. Carvalho, C. Argillier, M. Beklioglu, A. Borja, A.C. Cardoso, H. Duel, T. Ferreira, L. Globevnik, J. Hanganu, S. Hellsten, E. Jeppesen, V. Kodes, A.L. Solheim, T. Noges, S. Ormerod, **Y. Panagopoulos,** S. Schmutz, M. Venohr, S. Birk, **2015**. Managing aquatic ecosystems and water resources under multiple stress – an introduction to the MARS project. *Science of the Total Environment* 503, 10-21 <https://doi.org/10.1016/j.scitotenv.2014.06.106>.
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2. Sismanidi M., **Panagopoulos Y. 2025**. Evaluating the environmental and economic trade-offs of introducing perennial bioenergy crops in low productivity land of a Greek agricultural basin. 9th International Electronic Conference on Water Sciences, 11-14/11/2025, Online, (in press)
3. Kokkinaki L., Sismanidi M., **Panagopoulos Y. 2025**. Optimum selection and placement of agricultural best management practices in Pinios river basin for the mitigation of nitrates water pollution and water scarcity. 19th International Conference on Environmental Science and Technology, 3-6/9/2025, Kos, Greece, pp.110 (ISSN 2944-9820) <https://doi.org/10.30955/gnc2025.00231>.
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European & Greek Studies/Technical Reports (selected)

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2. Globevnik L., S. Birk, M. Koprivšek, J. Mahnkopf, **Y. Panagopoulos**, M. Pucher, R. Schinegger, M.F Sanchez, L. Snoj, K. Stefanidis, M. Venohr (2017). *Reports on stressor classification and effects at the European scale. EU wide multi-stressors classification and large scale causal analysis. D 5.1.1 Part 2 - Analysis of pressure - response relations: classification of multiple pressures on broad river types. Deliverable 5.1: Five Reports on stressor classification and effects at the European scale*. The MARS project (Managing Aquatic ecosystems and water resources under multiple stress). FP7 No. Contract: 603378.
3. **Panagopoulos Y.**, K. Stefanidis, S. Birk, L. Globevnik, A. Zachos, J. Lemm, M.F. Sanchez, L. Snoj, M. Koprivšek, M. Mimikou (2017). *Reports on stressor classification and effects at the European scale. EU-wide multistressors classification and large scale causal analysis. D5.1-2: Relation of low flows, E-flows, and Ecological Status. Deliverable 5.1: Five Reports on stressor classification and effects at the European scale*. The MARS project (Managing Aquatic ecosystems and water resources under multiple stress). FP7 No. Contract: 603378.
4. **Panagopoulos Y.**, K. Stefanidis, M. Mimikou, J. Hanganu, A. Constantinescu, M. Beklioğlu, T. Bucak, Ş. Erdoğan, A.I Çakıroğlu, E. Çakmak, J. Coppens, C. Almeida, P. Branco, R. Neves, P. Segurado (2017). *Case study synthesis: Report on case studies from Southern river basins. Deliverable 4.1-1*. The MARS project (Managing Aquatic ecosystems and water resources under multiple stress). FP7 No. Contract: 603378.
5. Mimikou, M., Makropoulos, C., **Panagopoulos, Y.** (2011). *Study of sedimentation of the*

- Ilarionas reservoir*, Final Report, 43 pp. Consulting to the Public Power Corporation.
6. **Panagopoulos Y.**, Koutiva I., Kossida M. and Baki. S., 2011. *Assessment Report documenting the implementation of water quantity accounts in selected pilot areas in Europe*. Key Deliverable for EEA. ETC/Water Task 2.6.1.0.
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 9. Styczen M., **Panagopoulos Y.** and Duijnsveld W., 2008. *From agricultural N-balances to emissions - Comparison of different data sources*. EEA/ETC-Water, activity: 4.3.1, water task 11, milestone 2.
 10. Collins R.P, Kristensen P., Thyssen N, Bräuer I., Grünig M., Kampa E., De Roo C., Kossida M., Monokrousou K. and **Panagopoulos Y.**, 2008. *Water Resources Report - Final Assessment 2008*. EEA/ETC-Water, activity: Assessment on water resources and use Task 9.1, Deliverable 1.
 11. Styczen M., Raat K.J., Duijnsveld W., **Panagopoulos Y.** and Collins R.P., 2007. *Towards a method for the assessment of agricultural impact on nutrient water quality across Europe*. EEA/ETC-Water, activity : 4.3.1, LARA - Linkages between agriculture and water quality water task 29 - Future analytical framework for analysing agri-water linkages.
 12. **Panagopoulos Y.**, Kampa E. and Dworak T., 2007. *Note on Agricultural Water use*. EEA/ETC-Water, activity: 4.2.5, task 23.

Languages

- English
- French

Computer skills

- FORTRAN
- MATLAB
- GIS
- Hydrological/Water quality, Hydraulic and Hydro-geological models: SWAT, HEC-HMS, HEC-RAS, MODFLOW
- Microsoft Office (Word/Excel/PowerPoint/Access)

Honors

- Scholar of Greek State Scholarship's Foundation for PhD studies in the scientific field: «Sustainable Water Resources Management», 11/2005-11/2008.
- Reviewer award from *Hydrological Sciences Journal* for the year 2021 (<https://iahs.info/Publications-News/Hydrological-Sciences-Journal/Awards.do>).