

## Yorgos (George) Amaxidis

### Research Associate



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### EDUCATION

- Geology and Geoenvironment (DIPL.-GEOL.) at the National and Kapodistrian University of Athens, Greece, 1996. Thesis on: "Generation of Geophysical Models and Application into real conditions using Non-linear Regression".
- MSc. on Environmental Science at the University of Patras (joint-departments of Geology, Chemistry, Biology, Physics and Mathematics), by the supervision of Prof. Dr. Y. Ferentinos, 1999-2002. Title: "Qualitative Evaluation of Geochemical Processes into Acheloos and Aliakmonas Rivers".

### WORK EXPERIENCE

- HCMR. 2020-Today
- Ειδικός σύμβουλος Αναπληρωτή Υπουργού Περιβάλλοντος σε θέματα Υδάτων (εποπτεύουσα αρχή ΕΓΥ). Ειδικός σύμβουλος ΑνΥΠ ΥΠΑΑΤ σε θέματα Περιβάλλοντος, υδατοκαλλιιεργειών κλπ. 2015-2019
- Επιστημονικός συνεργάτης στο κόμμα των Οικολόγων Πράσινων στην θεματική ομάδα Περιβάλλοντος, τομέας Υδάτων. 2013-2014
- Employer of The General Secretariat for Research and Technology of the former Ministry of Development. Main activity: implementation of the 7th Framework Programme. 2009 – 2013.
- Scientific Collaborator at the Hellenic Centre for Marine Research, Institute of Inland Waters, 2002-2009.
- Environmental engineer at the private company TEMKA LTD. (geotechnical designs – river restorations - constructions), 2000-02.
- Scientific Collaborator at the Institute of Geology & Mineral Exploration, Department of Environmental Geology, (Environmental designs: “Disposal of sewage waters originating from biological treatment into a deep drilling at Markopoulo region”, “Impacts from recent fires at the plateau of Lala”), 1999-00.

- Scientific Collaborator at the private company “PANGEO”, (Hydro-geology and geophysics studies, designs and implementation), 1995-96.
- Institute of Geology & Mineral Exploration, Department of Geophysics, 1995.

## PUBLICATIONS

- Matiatos, Ioannis and Amaxidis, George and Lagogiannis, Sergios and Zotou, Ioanna and Vystavna, Yuliya and McGuire, Bradley and Harjung, Astrid and Papadopoulos, Anastasios and Lazogiannis, Konstantinos and Heiderscheidt, Elisangela and Rossi, Pekka and Dimitriou, Elias, Disentangling urban wastewater sources using isotopic tracers and CEC-based diagnostic indicators. (2025) Available at SSRN: <https://ssrn.com/abstract=5970670> or <http://dx.doi.org/10.2139/ssrn.5970670>
- Nikolaos Th. Skoulikidis, Leonidas Vardakas, Anastasia Lampou, Yiorgos Amaxidis, Sofia Laschou, Redefining and delineating pristine conditions: A methodological framework with an application to a minimally impacted Mediterranean stream basin. *Ecological Indicators*, Volume 178, September 2025, 114071. <https://doi.org/10.1016/j.ecolind.2025.114071>
- Skoulikidis, N.T.; Karaouzas, I.; Amaxidis, Y.; Lazaridou, M. Impact of EU Environmental Policy Implementation on the Quality and Status of Greek Rivers. *Water* 2021, 13, 1858. <https://doi.org/10.3390/w13131858>
- Nikolaos Th. Skoulikidis, Leonidas Vardakas, Yorgos Amaxidis, Panagiotis Michalopoulos, Biogeochemical processes controlling aquatic quality during drying and rewetting events in a Mediterranean non-perennial river reach. *Science of The Total Environment*, Volume 575, 1 January 2017, Pages 378-389. <https://doi.org/10.1016/j.scitotenv.2016.10.015>
- Blake, W.H., Theocharopoulos, S.P., Skoulikidis, N. et al. Wildfire impacts on hillslope sediment and phosphorus yields. *J Soils Sediments* 10, 671–682 (2010). <https://doi.org/10.1007/s11368-010-0201-y>
- Skoulikidis N., Y. Amaxidis (2009). Origin and dynamics of dissolved and particulate nutrients in a minimally disturbed Mediterranean river with intermittent flow. *Journal of Hydrology*, 37: 218–229, <https://doi.org/10.1016/j.jhydrol.2009.04.032>
- Francesc Gallard et al, Investigating hydrological regimes and processes in a set of catchments with temporary waters in Mediterranean Europe. *Hydrological Sciences Journal*, Volume 53, 2008 - Issue 3. <https://doi.org/10.1623/hysj.53.3.618>
- Tzoraki O., N. Nikolaidis, Y. Amaxidis, N. Skoulikidis (2007). In-stream biogeochemical processes of a temporary river. *Environmental Science & Technology* 41(4): 1225-1231.
- Skoulikidis N., Amaxidis Y., Bertahas I., Laschou S., Gritzalis K. Analysis of factors driving stream water composition and synthesis of management tools—a case study on small/medium Greek catchments. *Sci Total Environ*, 362 (2006), pp. 205-241. <https://doi.org/10.1016/j.scitotenv.2005.05.018>

## PUBLICATIONS ON INTERNATIONAL AND NATIONAL CONFERENCES

- Poster at EUROSIL 2008 congress. «Seasonal alterations of soil properties and nutrients concentrations in a small Mediterranean river catchment» Amaxidis, Y., Burghurdt, (2008-A\*-\*1048-EUROSIL). August 25 – 29, 2008, Vienna, Austria
- Poster at 8th Symposium of Oceanography and Fisheries. «Estimation of sediment yield of Krathis intermittent river in N. Peloponnesus ». Y. Amaxidis, N. Skoulikidis. Thessaloniki 4-8 June 2006.
- Presentation at 8th Symposium of Oceanography and Fisheries. «Nutrient levels and origin of a small mountainous catchment». N. Skoulikidis, Y. Amaxidis, S. Lasxou. Thessaloniki 4-8 June 2006.
- Amaxidis Y., Skoulikidis N., Nutrient dynamics in a Greek temporary river, Z204; EGU05-A-07247;HS39-1MO5P-0204, poster at EGU congress, Vienna, 24-29 April 2005.
- Tzoraki O., Y. Amaxidis, N. Skoulikidis, N. Nikolaidis (2004). In stream geochemical processes of temporary rivers – Krathis River Case Study. Int. Conf. Protection and Restoration of the Environment VII, Mykonos, 28 June – 1 July 2004, Book of Abstracts, p. 25.
- Froebrich J. and The TempQsim Team (2005). Water quality dynamics in temporary streams and implications for water management strategies in semi-arid regions. Geophysical Research Abstracts, Vienna, Austria, 24-29 April 2005, EGU05-A-01857; HS-39-1MO4O-002.
- Blake W., S. Theocharopoulos, N. Skoulikidis, P. Clark, P. Tountas, A. Tsoutsikos, R. Hartley, Y. Amaxidis (2008). Wildfire, soil erosion and the risk to aquatic resources: evidence from the burnt Evrotas River basin, southern Peloponnese, Greece. Geophysical Research Abstracts, Vienna, Austria, 13-18 April 2008, 10, EGU 2008-A-03770.
- Θεοχαρόπουλος Σ.Π., W.H. Blake, N. Σκουλικίδης, P. Clark, R. Hartley, Γ. Αμαξίδης, Π. Τούντας (2008). Πυρκαγιές και Διάβρωση. 120 Συνέδριο της Ελληνικής Εδαφολογικής Εταιρείας, Πύργος, 22-24 Σεπτεμβρίου 2008.
- Theocharopoulos S., W. Blake, N. Skoulikidis, P. Clark, R. Hartley, Y. Amaxidis, P. Tountas (2008). The effect of wildfires on soil erosion and runoff under Mediterranean conditions. EUROSIL 2008, Vienna, Austria, 25-29 August 2008.
- Σκουλικίδης Ν., Γ. Αμαξίδης, Σ. Λάσχου (2006). Επίπεδα και προέλευση θρεπτικών σε ορεινή λεκάνη απορροής. 8ο Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας, Θεσσαλονίκη, 4-8 Ιουνίου 2006, κωδικός αναφοράς 125.
- Amaxidis, Y., Burghurdt, (2008-A\*-\*1048-EUROSIL). Seasonal alterations of soil properties and nutrients concentrations in a small Mediterranean river catchment. EUROSIL 2008, Vienna, Austria, 25-29 August 2008.
- Skoulikidis N., A. Economou, L. Vardakas, I. Karaouzas, E. Dimitriou, Y. Amaxidis, E. Colobari (2010). Differences between natural and created desiccation in the management of temporary river basins – Case study the Evrotas River basin, Greece. 4th BALWOIS 2010 International Conference, Ohrid, Republic of Macedonia, 25 - 29 May 2010, Book of Abstracts, p. 492-493

## PROJECTS

- Evaluation and improvement of water quality models for application to temporary waters in Southern European catchments (**tempQsim**), E.E. – DG Energy & Environment (50%), ΓΓΕΤ (50%) (ENVK1-CT2002-00112), 2002-2005 (42 μήνες)
- Environmental Friendly Technologies for Rural Development (**EnviFriendly**), E.E. – LIFE ENVIRONMENT (LIFE05 ENV/GR/000245) / Πολυτεχνείο Κρήτης, 2005 – 2008 (36 μήνες)

- **Wildfire**, soil erosion and the risk to aquatic resources: evidence from the burnt Evrotas River basin, southern Peloponnese, Greece, British National Environ. Research Council (NERC)/ Univ. of Plymouth, 2007 – 2008 (12 μήνες).
- Mediterranean Intermittent River ManAGement (**MIRAGE**), E.E. – DG Energy & Environment (50%), ΓΓΕΤ (50%) (FP7-ENV-2007-1), 2008-2010 (36 μήνες).
- Managing the effects of multiple stressors on aquatic ecosystems with water scarcity (**QLOBAQUA**), EC FP7 Project under Grant Agreement No. 603629-ENV-2013-6.2.1-Globaqua, 2014-2019.
- Αξιοποίηση Υδροχημικών Δεδομένων **Αχελώου**. Εκτίμηση της Συνεισφοράς της Γεωργίας στην Υδατική Ρύπανση, Υπουργείο Γεωργίας – Δ/νση Σχεδιασμού Εγγειοβελτιωτικών Έργων και Αξιοποίησης Εδαφο-Υδατικών Πόρων, 2000-2003 (24 μήνες).
- Συλλογή και αξιολόγηση οικολογικών δεδομένων ποταμών και λιμνών για τη εφαρμογή της **οδηγίας 2000/60/Ε.Ε.**, Υπουργείο Ανάπτυξης, 2003-2005 (24 μήνες). Ανάπτυξη δικτύων παρακολούθησης ποιότητας των επιφανειακών εσωτερικών, των μεταβατικών και των παράκτιων υδάτων της χώρας – Αξιολόγηση/ταξινόμηση της οικολογικής τους κατάστασης. Υ.ΠΕ.ΧΩ.Δ.Ε., 2008 – 2009.
- Environmental flows downstream of dams (**ECOFLOW**). 2013-2015.
- Ανάπτυξη συστήματος ολοκληρωμένης διαχείρισης λεκάνης απορροής και της συνδεδεμένης παράκτιας και θαλάσσιας ζώνης (**ΚΡΗΠΙΣ**). 2013-2015.
- **ΥΜΕΠΕΡΑΑ-ΟΠΥ**: 2017-2023. Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece
- **Path4Med**. Demonstrating Innovative Pathways Addressing Water and Soil Pollution in the Mediterranean Agro-Hydro-System. 2025-today. HORIZON. Ref. Ares(2023)6400083 - 21/09/2023
- **Hydro-E**. Hydrometeorology & Ecology. 2020.
- **Kifissos – Isotopes**. Improving Understanding of Nitrate Sources in Connected River and Groundwater Systems Through Linking Nitrate Isotopes and Contaminants of Emerging Concern. IAEA. 2022-2026.
- **Kastoria stations project**. Water Monitoring through Automatic Stations for Risk Management from Natural and Anthropogenic Disasters. Funded by the Region of Western Macedonia. 2025-2028.
- **WEST COASTS**. ENVIRONMENTAL MONITORING OF THE COASTAL AREA OF KINETA AND NEA PERAMOS. National project. 2021-2023.