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Nationality Greek
Birth 08.03.1984

WORK EXPERIENCE

Dates (from-to)	1/08/2013-today
Name and address of employer	Institute of Marine Biological Resources and Inland Waters, Hellenic Centre for Marine Research
Type of business or sector	Public Research Center
Occupation or position held	Postdoctoral researcher
Main activities and responsibilities	Participating in EU and national research projects in the fields of: - Ecohydraulics - EcoHydrology - Environmental water resources management - Surface water quality - Environmental monitoring - G.I.S. applications
Dates (from-to)	01/03/2011-31/12/2012
Name and address of employer	Biology Department/ University of Patras, Patras (Greece) Public University
Type of business or sector	Associate Scientific Staff
Occupation or position held	Participating in a EU Research project in the fields of hydrology, water quality monitoring and
Main activities and responsibilities	assessment, climate change, water resources management and ecohydrology
Dates (from-to)	01/07/2007–30/12/2007
Name and address of employer	National Environmental Research Institute of Denmark, Silkeborg (Denmark)
Type of business or sector	Public Research Institute
Occupation or position held	Investigation and analysis of submerged macrophyte species as part of
Main activities and responsibilities	the Water Framework Directive implementation, Field work
Dates (from – to)	01/07/2013– 13/2/2019
Name and type of organisation providing education and training	Department of Natural Resources Management & Agricultural Engineering / Agricultural University of Athens, Athens (Greece)
Principal subjects/occupational skills covered	Development of habitat suitability curves for the estimation of ecological flows
Title of qualification awarded	PhD

Dates (from – to)	01/10/2008–18/06/2010
Name and type of organisation providing education and training	National Technical University of Athens (NTUA)
Principal subjects/occupational skills covered	Environment and Development of Mountainous Areas, Metsovo (Greece)
Title of qualification awarded	Environmental and Ecological Sciences, Hydrology, GIS MSc
Dates (from – to)	02/10/2001–15/07/2008
Name and type of organisation providing education and training	Agricultural Engineering and MSc Department of Natural Resources Management & Agricultural Engineering / Agricultural University of Athens, Athens (Greece)
Principal subjects/occupational skills covered	Surface and groundwater hydrology, agricultural hydraulics, soil physics, water resources management, and environmental engineering
Title of qualification awarded	BSc & MSc
MOTHER TONGUE	Greek
OTHER LANGUAGES	English: Excellent (Certificate of Proficiency in English, Michigan State University, 2014) German: Basic
SPECIFIC ITEMS	
COMPUTER SOFTWARE	
COMPETENCES	<ul style="list-style-type: none"> • Microsoft Windows 10 • Microsoft Office (Word Processing, Spreadsheets, Databases, Information and Communication • ECDL Progress Certificate; PowerPoint), MS Project • ESRI ArcGIS 10.4, QGIS Desktop 2.4.0 • ArcSWAT 2012 • IBM SPSS Statistics version 24, Statistica 10, R Core Team 2016 • Indicators of Hydrologic Alteration (IHA) • Photoshop CC, GIMP 2.8.20 • Pix4Dmapper, photogrammetry software for drone mapping
TRAINING - WORKSHOPS	<ul style="list-style-type: none"> • DHI: MIKE HYDRO River - Introduction to River and Channel Modelling 24- 25/ 11/ 2016, Athens, Greece • DHI: MIKE HYDRO River - Introduction to integrated catchment modelling using the following software applications: MIKE SHE and MIKE 1, 3/12/2013, Athens, Greece • IHA: Indicators of Hydrological Alteration Training, 17/2/2015 online • Elsevier Researcher Academy: Funding Hacks for Researchers • 21/8/2018 online • Elsevier Researcher Academy: Successful research grant applications – getting it right 22/8/2018 online • Elsevier Researcher Academy: How researchers store, share and use data 23/8/ 2018 online • Elsevier Researcher Academy: Structuring your article correctly 31/8/

2018 online

- Elsevier Researcher Academy: Using proper manuscript language 31/8/2018 online
- NASA's Applied Remote Sensing Training Program (ARSET): Using Earth Observations to Monitor Water Budgets for River Basin Management, March 13 – April 3, 2019 online

PARTICIPATION IN RESEARCH PROJECTS

1. "Harnessing the potential of coastal regions to build climate resilience via enhanced observation of the land-sea interface – [LandSeaLot](#)" (2024 – 2028) Project coordinator: Dr. Jos Brils. LandSeaLot has received funding from the European Union's Horizon Europe Framework Programme for Research and Innovation under grant agreement No 101134575.
2. "Demonstrating innovative pathways addressing water and soil pollution in the Mediterranean Agro-Hydro- System – [Path4Med](#)" (2024 – 2028) Project coordinator: Dr. Konstantinos X Soulis. Funded by the European Union
3. "Estimation of Environmental Flows using Unmanned Aerial Vehicles and Acoustic Equipment based on fish habitat requirements - [FlowTech](#)" (2021 – 2024) Principal Investigator: Christina Papadaki. The FlowTech project was funded under the 2st Call for Research Projects ELIDEK (HFRI, Hellenic Foundation for Research and Innovation) for the support of Post-doctoral Researchers by the General Secretariat of Research and Technology (GSRT) within the scientific research area for the Environment and Energy (Project ID: 454).
4. Increase of Knowledge on the Importance of the Good Condition of the water bodies – [Water Matters](#) (2023 – 2024). Scientific Responsible: Andriopoulou Argiro. The project was implemented under the 'Water Management' program with co-financing from Iceland, Liechtenstein, and Norway through the EEA Grants and the Ministry of Development and Investments.
5. "Integrated & Economic Sustainable Solution Internet of Things - [OpenEliot](#)" Scientific Responsible: Dr. Ilias Dimitriou, (2018 – 2020). Co-financed by the European Union and national resources through the Operational Program Competitiveness, Entrepreneurship & Innovation (EPAnEK) (project code: T1EDK-01613).
6. "Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece - [Y.ME.PER.A.A.](#)" (2017-2023) Project coordinator: Dr. E. Dimitriou. National project
7. "Development of a decision support tool for the sustainable management of water resources, in combination to the optimisation of power production" (2015-2017) National project: Programming Agreements between Research Centers - GSRT/IKY/SIEMENS 2014-2016, Project coordinator: Dr. M. Stoumpoudi
8. "System for the Assessment of Acceptable Ecological Flows in Rivers and Streams of Greece - [ECOFLOW](#)" - (2013-2015) National project: Project coordinator: Dr. E. Dimitriou
9. "Adaptive Strategies to Mitigate the Impacts of Climate Change on European Freshwater Ecosystems" (2010-2014) FP7 – EU DG: Research European Union's Seventh Programme for research, technological development and demonstration under grant agreement

Theme 6 (Environment including Climate Change), coordinated by University College London (Environment including Climate Change), coordinated by University College London

DISTINCTIONS - AWARD:

Post-doc fellowship from the Hellenic State Scholarships Foundation (IKY). Project entitled: 'Hydrological regime modification to better balance the tradeoffs between human and environmental needs' (2019) This research was co-financed by Greece and the European Union (European Social Fund- ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project "Reinforcement of Postdoctoral Researchers - 2nd Cycle" (MIS-5033021), implemented by IKY.

PUBLICATIONS IN INTERNATIONAL, PEER REVIEWED JOURNALS

1. **Papadaki, Ch.**, Mitropoulos, P., Panagopoulos, Y., & Dimitriou, E. (2024). Addressing large scale patterns of no-flow events in rivers: An in-depth analysis with Achelous software. *Journal of Hydrology*, 132160. <https://doi.org/10.1016/j.jhydrol.2024.132160>
2. He, K., Yang, Q., Shen, X., Dimitriou, E., Mentzafou, A., **Papadaki, Ch.**, Stoumboudi, M., & Anagnostou, E. N.: Brief communication: Storm Daniel flood impact in Greece in 2023: mapping crop and livestock exposure from synthetic-aperture radar (SAR), *Nat. Hazards Earth Syst. Sci.*, 24, 2375–2382, <https://doi.org/10.5194/nhess-24-2375-2024>, 2024
3. **Papadaki Ch.**, Lagogiannis S., Dimitriou E. Preliminary Analysis of the Water Quality Status in an Urban Mediterranean River. *Appl. Sci.* 2023, 13, 6698. <https://www.mdpi.com/2076-3417/13/11/6698>.
4. Varlas G., **Papadaki Ch.**, Stefanidis K., Mentzafou A., Pechlivanidis I., Papadopoulos A., Dimitriou E. 2023. Increasing Trends in Discharge Maxima of a Mediterranean River during Early Autumn. *Water*, 15, 1022. <https://doi.org/10.3390/w15061022>.
5. **Papadaki Ch.**, Theodoropoulos C., Soulis K.X., Generali K.A., Psomiadis, E., & Dimitriou, E. 2022. Effects of forest fires on headwater streamflow and the habitat suitability for benthic macroinvertebrates. *Hydrological Sciences Journal*, 67(9), 1356–1371. <https://doi.org/10.1080/02626667.2022.2081508>.
6. Soulis K.X., Generali K.A., **Papadaki Ch.**, Theodoropoulos C., Psomiadis E. 2021. Hydrological Response of Natural Mediterranean Watersheds to Forest Fires. *Hydrology*, 8, 15. <https://doi.org/10.3390/hydrology8010015>.
7. **Papadaki Ch.**, Dimitriou E. 2021. River Flow Alterations Caused by Intense Anthropogenic Uses and Future Climate Variability Implications in the Balkans. *Hydrology*, 8, 7. <https://doi.org/10.3390/hydrology8010007>.
8. **Papadaki Ch.**, Soulis K.X., Bellos V. et al. 2020. Estimation of a Suitable Range of Discharges for the Development of Instream Flow Recommendations. *Environmental Processes*, 7, 703–721. <https://doi.org/10.1007/s40710-020-00456-1>.
9. Mitsopoulos G., Theodoropoulos C., **Papadaki Ch.**, Dimitriou E., Santos J.M., Zogaris S. & Stamou A., 2020. Model-based ecological optimization of vertical slot fishways using macroinvertebrates and multispecies

- fish indicators. *Ecological Engineering*, 158, p.106081. <https://doi.org/10.1016/j.ecoleng.2020.106081>.
10. Theodoropoulos C., Stamou A., Vardakas L., **Papadaki Ch.**, Dimitriou E., Skoulikidis N., & Kalogianni E. 2020. River restoration is prone to failure unless pre-optimized within a mechanistic ecological framework | Insights from a model-based case study. *Water Research*, 173. <https://doi.org/10.1016/j.watres.2020.115550>.
 11. Papaioannou, G., **Papadaki, Ch.**, Dimitriou, E. (2019) Assessing Weighted Usable Area Sensitivity Using UAV and 2D Hydraulic Modelling, *Ecohydrology*, doi: 10.1002/eco.2182
 12. Theodoropoulos, C., **Papadaki, Ch.**, Vardakas, L., Dimitriou, E., Kalogianni, E., Skoulikidis, N. (2019) Conceptualization and pilot application of a model-based environmental flow assessment adapted for intermittent rivers, *Aquatic Sciences*. 81: 10, doi: 10.1007/s00027-018-0605-0
 13. Stamou, A., Polydera, A., Papadonikolaki, G., Martinez-Capel, F., Muñoz-Mas, R., **Papadaki, Ch.**, & Dimitriou, E. (2018). Determination of environmental flows in rivers using an integrated hydrological-hydrodynamic-habitat modelling approach. *Journal of environmental management*, 209, 273-285, doi.org/10.1016/j.jenvman.2017.12.038
 14. **Papadaki, Ch.**, Soulis, K., Ntoanidis, L., Zogaris S., Dercas N., Dimitriou E. (2017) Comparative Assessment of Environmental Flow Estimation Methods in a Mediterranean Mountain River, *Environmental Management*, doi: 10.1007/s00267-017-0878-4
 15. Vardakas, L., Kalogianni, E., **Papadaki, Ch.**, et al. (2017) Defining critical habitat conditions for the conservation of three endemic and endangered cyprinids in a Mediterranean intermittent river before the onset of drought. *Aquatic Conservation: Marine and Freshwater Ecosystems*, doi: 1–11, 10.1002/aqc.2735
 16. **Papadaki Ch.**, Bellos V., Stoumboudi M., Kopsiaftis G. & Dimitriou E. (2017) Evaluation of streamflow habitat relationships using habitat suitability curves and HEC-RAS, *European Water*, 58: 127-134,
 17. **Papadaki, Ch.**, Bellos, V., Ntoanidis, L., Dimitriou, E. (2016) Comparison of West Balkan adult trout habitat predictions using a Pseudo-2D and a 2D hydrodynamic model. *Hydrology Research*, 1–13, doi: 10.2166/nh.2016.352
 18. Muñoz-Mas, R., **Papadaki, Ch.**, Martínez-Capel, F., Zogaris, S., Ntoanidis, L., Dimitriou, E. (2016) Generalized additive and fuzzy models in environmental flow assessment: A comparison employing the West Balkan trout (*Salmo farioides*; Karaman, 1938). *Ecological Engineering* 91: 365–377, doi: 10.1016/j.ecoleng.2016.03.009
 19. **Papadaki, Ch.**, Soulis K., Muñoz-Mas R., Ntoanidis L., Zogaris S., Dercas N., & Dimitriou E. (2016) Potential impacts of climate change on flow regime and fish habitat in montane rivers of the southwestern Balkans, *Science of the Total Environment*, doi: 10.1016/j.scitotenv.2015.06.134.
 20. Soulis, K. X., Dercas, N. & **Papadaki, Ch.** (2015) Effects of forest roads on the hydrological response of a small-scale mountain watershed in Greece. *Hydrol. Process.*, 29: 1772–1782, doi: 10.1002/hyp.10301.
 21. **Papadaki, Ch.**, Muñoz-Mas, R., Ntoanidis, L., Martinez-Capel, F., Zogaris, S., Dimitriou, E., (2015), Desarrollo de modelos de idoneidad de hábitat para la trucha balcánica (*Salmo farioides*, Karaman) y estimación de

caudales ecológicos en ríos de montaña de Grecia, Cuad. Soc. Esp. Cienc. For. 41: 253-268

Books

Dimitriou E. & **Papadaki Ch.** (eds), 2021. Environmental Water Requirements in Mountainous Areas, Elsevier, Paperback ISBN: 9780128193426; <https://doi.org/10.1016/C2018-0-05425-0>, eBook ISBN: 9780128193433, Publication Date: 1st Edition - October 19, 2021

Papadaki Ch., 2021. Chapter 7 – Sustainable use of mountain water resources. Environmental Water Requirements in Mountainous Areas, 281–292. <https://doi.org/10.1016/B978-0-12-819342-6.00005-1>.

PUBLICATIONS IN PEERREVIEWED CONFERENCE PROCEEDINGS

1. Matiatos I., **Papadaki Ch.**, Amaxidis Y., Lazogiannis K., Papadopoulos A., Dimitriou E. 2023. Preliminary assessment of nitrate sources of pollution in the urbanized catchment of the Kifissos River. 38th International Conference on Environmental Geochemistry and Health, Athens Greece, July 2023. available at: https://isotopes.hcmr.gr/wp-content/uploads/2023/09/Poster-Kifisos-SEGH23_final.pdf, accessed at: November 01 2023
2. **Papadaki Ch.**, Kavvadias A., Zogaris S., & Dimitriou E. 2022. A Short Review of Hydraulic-Habitat Modelling for Environmental Flows, Proceedings of the Marine and Inland Waters Research Symposium 2022 former Panhellenic Symposium on Oceanography & Fisheries, AKS Porto Heli Conference Center, Porto Heli, Argolida, Greece 16-19 September 2022, available at: https://symposia.gr/wp-content/uploads/2022/10/Proceedings_5.10.22.pdf, accessed at: May 04 2023
3. Oikonomou A., Smeti E., Karaouzas I., Stefanidis K., Andriopoulou A. Vavalidis Th., Vardakas L., Vourka A., Giakoumi S., Gritzalis K., Zogaris S., Theodoropoulos Ch., Kalaitzakis N., Kalogianni E., Kapakos Y., Kapeloni M., Kapetanaki N., Katsogiannou I., Colombari E., Kommatas D., Kouvarda Th., Kouraklis P., Koutsikos N., Koutsodimou M., Lampou A., Lampri PN., Leris I., Laschou S., Latsiou A., Markogianni V., Masouras A., Mentzafou A., Barbieri R., Ntakos A., Panagiotou A., **Papadaki Ch.**, et al. 2022. Comparing biological quality elements in Greek rivers. Proceedings of the Marine and Inland Waters Research Symposium 2022 former Panhellenic Symposium on Oceanography & Fisheries, AKS Porto Heli Conference Center, Porto Heli, Argolida, Greece 16-19 September 2022, available at: https://symposia.gr/wp-content/uploads/2022/10/Proceedings_5.10.22.pdf, accessed at: May 08 2023
4. Skoulikidis Th.N., Lampou A., Zogaris S., Karaouzas K., Gritzalis K., Panagopoulos I., Dimitriou E., Laschou S., Smeti E., Matiatos I., Katopodis G., **Papadaki Ch.**, Vlami V., Ozkan C., Fischer-Kowalski M. 2022. Reviewing environmental conditions of a minimally disturbed Aegean island – Samothraki Greece. Conference Proceedings: Protection and Restoration of the Environment XVI, 231-242, Kalamata, Greece. Available at: https://www.researchgate.net/publication/370602862_Reviewing_environmental_conditions_of_a_minimally_disturbed_Aegean_island_-_Samothraki_Greece, accessed: May 08 2023.
5. Kavvadias A., Zogaris S., Dimitriou E., **Papadaki Ch.** 2022. Delimitation of River Segment for the Assessment of Ecological Flow, 4th Congress

of Geographical Information Systems and Spatial Analysis in Agriculture and Environment

6. **Papadaki Ch.**, Bellos V., Soulis K., & Dimitriou E. 2019. Incorporating biological components to analyse the hydrological variability for ecological flow recommendations. Proceedings of the 11th World Congress on Water Resources and Environment (EWRA 2019) "Managing Water Resources for a Sustainable Future" Madrid, Spain, 25-29 June 2019. http://ewra.net/pages/EWRA2019_Proceedings.pdf
7. **Papadaki Ch.**, Bellos V., Stoumboudi M., Kopsiaftis G., & Dimitriou E. 2017. Evaluation of streamflow habitat relationships using habitat suitability curves and HEC-RAS, Panta Rhei. Proceedings of the 10th World Congress of EWRA on Water Resources and Environment, 5-9 July 2017, Athens, Greece
8. **Papadaki Ch.**, Dimitriou E., Mentzafou A., Skoulikidis N., Zogaris S., Oikonomou A., Stoumpoudi M. 2016. Eco-hydraulic models and ecological flow: applications in Greece, Geographical distribution of fishing gears throughout the Hellenic seas. Proceedings of the Hellenic Conference of Ichthyologists. 16: 513-515 (in Greek). Available at: http://psid.bio.auth.gr/wpcontent/uploads/files/archive/16/16_Ichthyology_Proceedings_2016_Kavala.pdf , accessed at: May 07 2023 (in Greek)
9. **Papadaki Ch.**, Soulis K., Muñoz-Mas R., Ntoanidis L., Zogaris S., Dercas N., & Dimitriou E. 2015. A new approach for determining the environmental flow regime in a Greek river, 9th World Congress European Water Resources Association, ISBN: 978-975-441-442-4, pp. 291, Istanbul, Turkey
10. **Papadaki Ch.**, Vardakas L., Dimitriou E., Kommatas D., Kalogianni E. 2015. Microhabitat use by two Greek endemic chub species, in two Greek rivers - Preliminary results, 11th Panhellenic Symposium on Oceanography and Fisheries, pp. 629- 632 Mytilene, Lesvos island, Greece
11. Muñoz-Mas R., **Papadaki Ch.**, Ntoanidis L., Martinez-Capel F., Zogaris S., & Dimitriou E. 2015. Habitat suitability models for West Balkan Trout for the estimation of environmental flows in a mountain river of Greece, 36th IAHR World Congress, The Hague, the Netherlands
12. Ntoanidis L., Mentzafou A., **Papadaki Ch.**, Zogaris S., Evelpidou, N., Argyropoulou Pappa, M., & Dimitriou, E., 2015. Investigation of hydraulic approaches for assessing spatial variation of habitats in a river-Achelous River case study. Workshop: "The ecological flow in rivers and the importance of its correct estimation", second workshop of the project "ECOFLOW: System of estimation of the acceptable ecological flow in rivers and streams in Greece", 3 February 2015, Athens. (in Greek)
13. **Papadaki, Ch.**, Ntoanidis, L., Mentzafou, A., Zogaris, S., Evelpidou, N., ArgyropoulouPappa, M., & Dimitriou, E. 2015. Modeling habitats to simulate and assess the differences between habitat eligibility criteria, focusing on the trout of Greek rivers. Workshop: "The ecological flow in rivers and the importance of its correct estimation", second workshop of the project "ECOFLOW: System of estimation of the acceptable ecological flow in rivers and streams in Greece", 3 February 2015, Athens. (in Greek)
14. **Papadaki Ch.** & Dimitriou H. 2015. Eco-hydraulic Models and Ecological Flow Requirements of Rivers: Applications in Greece. 1st

Conference on Geographic Information Systems and Spatial Analysis in Agriculture and the Environment, Agricultural University of Athens, Athens. (In Greek)

15. **Papadaki Ch.**, Mentzafou A., Ntoanidis L., Zogaris S., Evelpidou N., Argyropoulos D., Dimitriou E., 2014. Habitat hydraulic modeling for assessing changes of mesohabitat types of a Greek mountainous river, EGU, March, 2014. Austria
16. Evelpidou N., Dimitriou E., **Papadaki Ch.**, Stamatakis M., Ntoanidis L., Koutsomichou I., Anastasatou M., Karkani A. 2014. A correlation of the structure and chemical composition of the habitat sediments with the ecological flow of Acheloos river, in Trikala Prefecture, Thessaly, Central Greece, 10th International Congress of Hellenic Geographical Society
17. **Papadaki Ch.**, Ntoanidis L., Zogaris S., Francisco Martinez-Capel, Rafael Munoz-Mas, Evelpidou N., Dimitriou E. 2014. Habitat hydraulic modeling for environmental flow restoration in upland streams in Greece, 12th International Conference "Protection & Restoration of the Environment, Skiathos, June 29th - July 3rd 2014, ISBN 978-960-88-490-5-1, p.385.
18. **Papadaki Ch.**, Ntonidis L., Metzafou A., Zogaris S., Evelpidou N., Argyropoulou-Papa M., Dimitriou E. 2014. An adaptation of a habitat modeling approach to simulate and assess differences between existing habitat suitability criteria (HSC) focusing on brown trout for Greek rivers. In: 10th International Congress of the Hellenic Geographical Society. Thessaloniki, Greece; 2014.
19. Papastergiadou E., Stefanidis K., **Papadaki Ch.**, and Samiotis A. 2011. Effects of temperature, salinity, and water level on biotic communities and ecosystem metabolism: an outdoor mesocosm experiment in Greece. Proceedings of the 12th Panhellenic Scientific Conference of the Hellenic Botanical Society took place in the city of Rethymno, from 29 September to 2 October 2011. <https://www.hbs.gr/sites/default/files/conferences/ebe12-book-abstracts.pdf>.
20. **Papadaki Ch.**, Kangalou If. 2010. Assessment of the Ecological Status of Lakes in Epirus. Threats to the Biodiversity of Mountainous Areas. 6th Interdisciplinary Inter-university Conference of the National Technical University of Athens and the M.E.K.D.E. of N.T.U.A., 16-19 September 2010, Integrated Development of Mountainous Areas. (In Greek) http://old.ntua.gr/MIRC/6th_conference/6th_conference_abstracts.pdf
21. Kaliampakos D., Moutetsiou E., Oikonomou A., **Papadaki Ch.** 2010. Investigation of the Profile of Visitors to Metsovo and Their Opinion on Its Traditional Character. 6th Interdisciplinary Inter-university Conference of the National Technical University of Athens and the M.E.K.D.E. of N.T.U.A., 16-19 September 2010, Integrated Development of Mountainous Areas, (In Greek) http://old.ntua.gr/MIRC/6th_conference/6th_conference_abstracts.pdf

JOURNAL REVIEWER

<https://publons.com/researcher/1257561/christina-papadaki/>

OTHER SKILLS

Marathon Runner (Time in classic marathon of Athens 2017: 04:57:35)
Skiing, Climbing, Horseback riding and Swimming