



PERSONAL INFORMATION

Name	CHRISTINA PAPADAKI
Address	46.7 km of Athens - Sounio Ave., Anavissos, 19013, Greece
Telephone	+30-2291076349
Fax	+30-2291076419
e-mail	chrispap@hcmr.gr, xristina.p@gmail.com
skype	papaxristi
Nationality	Greek
Date of birth	08.03.1984

SWORK 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	Research Associate
Main activities and responsibilities	Participating in EU and national research projects in the fields of: - Ecological flows - Hydrology - 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)
Type of business or sector	Public University
Occupation or position held	Associate Scientific Staff
Main activities and responsibilities	Participating in a EU Research project in the fields of hydrology, water quality monitoring and 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 the Water Framework Directive implementation, Field work
Main activities and responsibilities	

EDUCATION AND TRAINING

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) Environment and Development of Mountainous Areas, Metsovo (Greece)
Principal subjects/occupational skills covered	Environmental and Ecological Sciences, Hydrology, GIS
Title of qualification awarded	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 OTHER LANGUAGES

Greek
English: Excellent (Certificate of Proficiency in English, Michigan State University, 2014)
German: Basic

PERSONAL SKILLS AND COMPETENCES SPECIFIC ITEMS COMPUTER SOFTWARE COMPETENCES

- Microsoft Windows 10
- Microsoft Office (Word Processing, Spreadsheets, Databases, Information and Communication
- ECDL Progress Certificate; PowerPoint), MS Project
- ESRI ArcGIS 10.6, QGIS Desktop 2.4.0
- ArcSWAT 2021
- IBM SPSS Statistics version 24, Statistica 10, R Core Team 2016
- Indicators of Hydrologic Alteration (IHA)
- Global Environmental Flow Calculator (GEFC)
- Photoshop CC, GIMP 2.8.20
- Pix4Dmapper, photogrammetry software for professional drone mapping

TRAINING - WORKSHOPS

- 1.DHI: MIKE HYDRO River - Introduction to River and Channel Modelling
24- 25 November 2016, Athens, Greece
- 2.DHI: MIKE HYDRO River - Introduction to integrated catchment modelling using the following software applications: MIKE SHE and MIKE 11
13 December 2013, Athens, Greece
- 3.IHA: Indicators of Hydrological Alteration Training,
17 February 2015
- 4.Elsevier Researcher Academy: Funding Hacks for Researchers
21 August, 2018
- 5.Elsevier Researcher Academy: Successful research grant applications – getting it right
22 August, 2018
- 6.Elsevier Researcher Academy: How researchers store, share and use data
23 August, 2018
- 7.Elsevier Researcher Academy: Structuring your article correctly
31 August, 2018
- 8.Elsevier Researcher Academy: Using proper manuscript language
31 August, 2018
- 9.NASA's Applied Remote Sensing Training Program (ARSET): Using Earth Observations to Monitor Water Budgets for River Basin Management, March 13 – April 3, 2019

PARTICIPATION IN RESEARCH PROJECT

- 1."Estimation of Environmental Flows using Unmanned Vehicles and Acoustic Equipment based on fish habitat requirements – FlowTech". (2021 – 2024) The research project was supported by the Hellenic Foundation for Research and Innovation (H.F.R.I.) under the "2nd Call for H.F.R.I. Research Projects to support Post-Doctoral Researchers" (Project Number: 454). Principal Investigator Dr. Ch. Papadaki
- 2."Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece" (2017 – 2023) National project: Y.ME.PER.A.A. 2014-2020, Project coordinator: Dr. E. Dimitriou
- 3."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
- 4."System for the Assessment of Acceptable Ecological Flows in Rivers and Streams of Greece" - (2013 – 2015) National project: ECOFLOW, Project coordinator: Dr. E. Dimitriou
- 5."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

DISTINCTIONS - AWARD

Post-doc fellowship from the Hellenic State Scholarships Foundation. Project entitled: 'Hydrological regime modification to better balance the tradeoffs between human and environmental needs' (2019). This research is 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 the State Scholarships Foundation (IKY).

ABSTRACT PROFILE

Dr. Christina Papadaki is a research associate in the Hellenic Centre for Marine Research - Institute of Marine Biological Resources and Inland Waters, with expertise in Ecological flows, Hydrology, Water Management and Environmental Engineering, Environmental Management of Mountain Areas. She received her BSc in Water Resources Management from the Agricultural University of Athens, Greece in 2008 and attended an MSc in Environment and Development of Mountain Regions at National Technical University of Athens - GR, during the period 2008-2010. In 2019 she received her PhD from the Agricultural University of Athens, Greece on a thesis titled "Development of fish habitat suitability criteria for the estimation of ecological flows". In 2020 she received a Post-doc fellowship from the Hellenic State Scholarships Foundation (IKY). So far in her research career, she has participated as research associate in 4 research projects. She is associated as Member of editorial board and Reviewer in a Science Citation Index Expanded® (SCIE) and Social Sciences Citation Index® (SSCI) journal. She has published 17 research papers in peer-reviewed international journals, and 14 articles and abstracts in conference proceedings.

PUBLICATIONS

PUBLICATIONS IN INTERNATIONAL, PEERREVIEWED JOURNALS

1. Soulis, K.X.; Generali, K.A.; **Papadaki, Ch.**; Theodoropoulos, C.; Psomiadis, E. Hydrological Response of Natural Mediterranean Watersheds to Forest Fires. *Hydrology* 2021, 8, 15. <https://doi.org/10.3390/hydrology8010015>
2. **Papadaki, Ch.**; Dimitriou, E. River Flow Alterations Caused by Intense Anthropogenic Uses and Future Climate Variability Implications in the Balkans. *Hydrology* 2021, 8, 7. <https://doi.org/10.3390/hydrology8010007>
3. **Papadaki, Ch.**, Soulis, K., Bellos, V. et al. Estimation of a Suitable Range of Discharges for the Development of Instream Flow Recommendations. *Environ. Process.* (2020). <https://doi.org/10.1007/s40710-020-00456-1>
4. Mitsopoulos, G., Theodoropoulos, C., **Papadaki, C.**, Dimitriou, E., Santos, J.M., Zogaris, S. and 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>
5. 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>
6. Papaioannou, G., **Papadaki, Ch.**, Dimitriou, E. (2019) Assessing Weighted Usable Area Sensitivity Using UAV and 2D Hydraulic Modelling, *Ecohydrology*, <https://doi.org/10.1002/eco.2182>
7. 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, <https://doi.org/10.1007/s00027-018-0605-0>
8. 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, <https://doi.org/10.1016/j.jenvman.2017.12.038>
9. **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*, <https://doi.org/10.1007/s00267-017-0878-4>
10. 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*, <https://doi.org/10.1002/aqc.2735>
11. **Papadaki Ch.**, Bellos V., Stoumboudi M., Kopsiaftis G. and Dimitriou E. (2017) Evaluation of streamflow habitat relationships using habitat suitability curves and HEC-RAS, *European Water*, 58: 127-134,

12. **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*, <https://doi.org/10.1016/j.scitotenv.2015.06.134>
13. **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, <https://doi.org/10.2166/nh.2016.352>
14. 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, <https://doi.org/10.1016/j.ecoleng.2016.03.009>
15. Soulis, K. X., Dercas, N. and **Papadaki, Ch.** (2015) Effects of forest roads on the hydrological response of a small-scale mountain watershed in Greece. *Hydrol. Process.*, 29: 1772–1782, <https://doi.org/10.1002/hyp.10301>
16. **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
17. Landkildehus F., Søndergaard M., Beklioglu M., Adrian R., Angeler D.G., Hejzlar J., Papastergiadou E., Zingel P., Çakiroğlu A.I., Scharfenberger U., Drakaree S., Nöges T., Sorff M., Stefanidis K., Tavşanoğlu N., Trigale C., Mahdyd A., **Papadaki Ch.**, Tuvikene L., Larsen S., Kernan M., Jeppesen E., (2014). Climate change effects on shallow lakes: Design and preliminary results of a cross- European climate gradient mesocosm experiment. *Estonian Journal of Ecology* 63 (2): 71–89, doi: 10.3176/eco.2014.2.

**PUBLICATIONS IN
PEERREVIEWED
CONFERENCE
PROCEEDINGS**

1. **Papadaki Ch.**, Bellos V., Soulis K., and 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
2. **Papadaki Ch.**, Bellos V., Stoumboudi M., Kopsiaftis G., and 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
3. **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

4. **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
5. R. Muñoz-Mas, Ch. Papadaki, L. Ntoanidis, F. Martinez-Capel, S. Zogaris, and E. Dimitriou, 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
6. **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
7. **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,
8. 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
9. Ntoanidis L., Mentzafou Ag., **Papadaki Ch.**, Zogaris S., Evelpidou N., Argyropoulou-Papa M., Dimitriou E., 2014, Intercomparison of a 1D versus quasi-2D hydraulic modelling approach for a spatial assessment of mesohabitat types alteration within a river - A case study of upper Acheloos river, 10th International Congress of Hellenic Geographical Society

PARTICIPATION IN ONE-DAY CONFERENCE

- ¹.**Papadaki, Ch.**, Dimitriou, E., Mentzafou, A., Skoulikidis, N., Zogaris, S., Oikonomou, A., Stoumpoudi, M. (2016). Eco-hydraulic models and ecological flow: applications in Greece. In S. Zogaris, N. Skoulikidis, A. Oikonomou, D. Mpompori, M. Gkini, & K. Stergiou (Eds.), EU Directive 2000/60 and the conservation of inland waters: Research and Proposals (pp. 38-40). Athens, IMBRIW-HCMR (in Greek)
- ².Ntoanidis, L., Mentzafou, A., **Papadaki, Ch.**, Zogaris, S., Evelpidou, N., ArgyropoulouPappa, M., & Dimitriou, E. (2015). Investigation of hydraulic approaches for assessing spatial variation of habitats in a river-Acheloos 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)
- ³.**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)

JOURNAL REVIEWER

- 1) Environmental Processes (1 review)
 - 2) Journal of Applied Ecology (1 review)
 - 3) Science of the Total Environment, Elsevier (1 review)
 - 4) Sustainability (1 review)
 - 5) Water – MDPI (5 reviews)
- More info: <https://publons.com/researcher/1257561/christina-papadaki/>

OTHER ACTIVITIES

Member of the editorial board of the Peer Reviewed Journal, "Hydrological Sciences Journal".

OTHER SKILLS

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