

PERSONAL INFORMATION

Aikaterini Vourka



📍 Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters, 46.7 km of Athens – Sounio Ave., 19013 Anavyssos (Greece)

☎ +302291076395

✉ aivourka@hotmail.com

📅 Date of birth 18 Mar 1984 | 🇬🇷 Nationality Greek

EDUCATION AND TRAINING

2011

MSc

Aristotle University of Thessaloniki, Greece

Interdisciplinary postgraduate master programme "Ecological water quality and management at a river basin level" by the Schools of Biology, Geology and Civil Engineering.

MSc thesis, **2011**. "Assessment of the ecological quality of Lake Petron based on phytoplankton and zooplankton", 101 pp. (In Greek)

2009

BSc

University of Patras, Department of Biology, Greece

Degree in Biology - "Biodiversity, ecology and environment"

BSc thesis, **2007**. "Implementation of River Habitat Survey (RHS) in Sklithros stream, N. Greece", 102 pp. (In Greek)

WORK EXPERIENCE

12/01/2018–Present

Research assistant

Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters

"Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece."

- *Sorting and identification of river benthic macroinvertebrates*
- *Field sampling*
- *Data entry*
- *Data analysis*
- *Reporting*

25/08/2016–30/11/2016

Research assistant

Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters

"GLOBAQUA - Managing the effects of multiple stressors on aquatic ecosystems under water scarcity."

- *Field sampling*
- *Benthic macroinvertebrate and fish data analysis*

01/01/2016–31/03/2016

Research assistant

Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland

Waters

"GLOBAQUA - Managing the effects of multiple stressors on aquatic ecosystems under water scarcity."

- *Data entry*
- *Macrophyte and benthic macroinvertebrate data analysis*

01/08/2014–30/09/2014

Research Assistant

Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters

"KRIPIS project: Development of an integrated tool for river basin, coastal and marine management"

- *Field sampling*
- *Sorting and identification of river benthic macroinvertebrates*

01/05/2013–31/12/2015

Research assistant

Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters

"Monitoring the ecological quality of rivers, coastal and transitional waters of Greece under the Article 8 of the Water Framework Directive 2000/60 EU."

- *Sorting and identification of river benthic macroinvertebrates*
- *River basins delineation and estimation of land uses in ArcGIS*
- *Field sampling*
- *Data entry*
- *Data analysis*
- *Reporting*

24/09/2012–23/02/2013

Research assistant

Association for the Mental Health – SOPSY Patras

"Dealing with child obesity and nutritional disorders in children and adolescents of Achaia Prefecture." University of Patras, Faculty of Medicine, Lab of Public Health.

- *Collection, processing and statistical analysis of University of Patras students nutritional habits.*

21/02/2011–24/05/2011

Research assistant

Aristotle University of Thessaloniki, School of Biology

"Monitoring of Lake Ismarida and exploration of the food chain within the frame of restoration actions."

- *Qualitative and quantitative analysis of zooplankton samples*
- *Data analysis*

01/04/2007–30/04/2008

Research assistant

University of Patras, Department of Biology

"Ecological quality assessment of running waters of Cyprus using aquatic macrophytes as biological indices - Implementation of Water Framework Directive 2000/60 EU."

- *Field sampling*
- *Macrophytes identification*
- *Data entry*
- *Data analysis*
- *Reporting*

PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | C2 |

Certificate of Proficiency in English (ECPE)

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills

Assistance in the organization of the meeting "EU Directive 2000/60 and the conservation of inland waters: Research and prospects", 16 March 2015, Amphitheatre of Ministry of Environment and Energy, Athens.

Contribution on copy-editing meeting proceedings "Zogaris, S., Skoulikidis, N., Economou, A.N., Bobori, D., Ghini, M., Stergiou, K.I. (eds.). 2016. EU Directive 2000/60 and the conservation of inland waters: Research and prospects. IMBRIW, Hellenic Centre for Marine Research. Athens, 70 pp. (In Greek)".

Job-related skills

- Skilled in field sampling of biota and water parameters in rivers and lakes.
- Trained in taxonomy and quantitative analysis of benthic invertebrates and macrophytes of rivers and zooplankton and phytoplankton of lakes.
- Very good knowledge of statistical analysis using SPSS, Canoco for Windows, Primer, R Studio.
- Very good knowledge of ArcGIS.

Digital skills

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|------------------|------------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Independent user | Independent user | Independent user |

Digital skills - Self-assessment grid

ECDL Core Certificate

Driving licence B

ADDITIONAL INFORMATION

Publications in peer-reviewed international journals

Karaouzas, I., Theodoropoulos C., **Vourka A.**, Gritzalis K., Skoulikidis N.Th. (2019). Stream invertebrate communities are primarily shaped by hydrological factors and ultimately fine-tuned by local habitat conditions. *Science of the Total Environment*, (in press).

Karaouzas, I., Smeti E., **Vourka A.**, Vardakas L., Mentzafou A., Tomés E., Sabater S., Muñoz I., Skoulikidis N.Th. & Kalogianni E. (2018). Assessing the ecological effects of water stress and pollution in a temporary river - Implications for water management. *Science of the Total Environment*, 618: 1591–1604.

Theodoropoulos, C., **Vourka A.**, Skoulikidis N., Rutschmann P. & Stamou A., (2018). Evaluating the performance of habitat models for predicting the environmental flow requirements of benthic macroinvertebrates. *Journal of Ecohydraulics*, 3(1): 30–44.

Kalogianni, E., **Vourka A.**, Karaouzas I., Vardakas L., Laschou S. & Skoulikidis N.Th. (2017). Combined effects of water stress and pollution on macroinvertebrate and fish assemblages in a

Mediterranean intermittent river. *Science of the Total Environment*, 603–604: 639–650.

Theodoropoulos C., **Vourka A.**, Stamou A., Rutschmann P. & Skoulikidis N. (2017). Response of freshwater macroinvertebrates to rainfall-induced highflows: A hydroecological approach. *Ecological Indicators*, 73: 432–442.

Conferences

Oikonomou A., Karaouzas I., Smeti E., Stefanidis K., Stoumboudi M., Anastasopoulou E., Andriopoulou A., Vavalidis T., Vardakas L., **Vourka A.**, Giakoumi S., Gritzalis K., Dimitriou E., Zogaris S., Theodoropoulos C., Kalaitzakis N., Kalogianni E., Kapakos Y., Katsogiannou I., Colombari E., Kommatas D., Kouvarda T., Kouraklis P., Koutsikos N., Koutsodimou M., Lampou A., Markogianni V., Mentzafou A., Barbieri R., Panagiotou A., Papastergiadou E., Economou A., Economou E., Sperelakis E., Tachos V., Chatzinikolaou Y., Skoulikidis N. (2018). "Greek riverine ecosystems with high biodiversity." 9th Panhellenic Ecology Conference, HELECOS 9. 4 – 7 October, Heraklion, Greece.

Smeti E., von Schiller D., Lashou S., Vardakas L., Tornés E., Theodoropoulos C., **Vourka A.**, Andriopoulou A., Koutsodimou M., Anastasopoulou E., Karaouzas I., Sabater S., Elozegi A., Skoulikidis N.T. & Kalogianni E. (2018). "Effects of agro-industrial pollution on biota and ecosystem functioning in an intermittent river (Evrotas, Greece)." *Limnologia 2018*, XIX Conference of the Iberian Association of Limnology Inland waters and XXI century challenges: from scientific knowledge to environmental management, 24 – 29 June, Coimbra, Portugal.

Vardakas L., Arapoglou F., **Vourka K.**, Giakoumi S., Emfietzis Y., Zogaris S., Kalaitzakis N., Kalogianni E., Kapakos I., Kommatas D., Kouraklis P., Koutrakis M., Koutsikos N., Latsou M., Leonardos I., Barbieri R., Bobori D., Ntakis A., Ntislidou C., Oikonomou A., Oikonomou E., Petriki O., Sapounidis A., Stoumboudi M., Tachos V., Tsakourmis E., Tsoumani M., Christidis A., Economou A.N. (2016). "Monitoring the fish fauna of Hellenic rivers according to the Water Framework Directive 2000/60/EC for the period 2012-2015." 16th Panhellenic Conference of Ichthyologists. 6 – 9 October, Kavala, Greece.

Manolaki P., Giannouris E., Kostara K., **Vourka K.**, Phytis G., Stefanidis K., Tziortzis I., Dorflinger G., Papastergiadou E. (2012). "Aquatic macrophytes as biological quality elements for the ecological quality assessment of two Mediterranean river types in Cyprus." 6th Panhellenic Ecology Conference, 4 - 7 October, Athens, Greece.

Katsiapi, M., Mazaris A.D., Charalampous E., **Vourka A.** & Moustaka M. (2011). "The importance of land use types driving phytoplankton structure in Greek freshwaters." 16th Workshop of the International Association of Phytoplankton Taxonomy and Ecology (IAP). 21 – 28 August, San Michele all'Adige (Trento), Italy.

Theofanoudi A., **Vourka A.**, Kougioumtzidou K., Brouziotis Th., Nikolopoulou P., Katsiapi M., Moustaka M. & Lazaridou M. (2011). "Study on the ecological quality of Sofaditis river basin (Prefecture of Karditsa) surface waters according to the Water Framework Directive 2000/60/EC." 33rd Scientific Conference of Hellenic Society of Biological Sciences, 19 – 21 May, Edessa, Greece.

Vourka A., Theofanoudi A. & Kougioumtzidou K. (2010). Case study of Sofaditis river and lake Smokovou. "Conclusions on their ecological status and biodiversity." 2nd conference meeting on "Sofaditis river – riparian areas. Ecological status, management and biodiversity", 17 November, Sofades, Greece.

Manolaki P., Stefanidis K., **Vourka A.**, Papastergiadou E. (2008). "Investigation of the applicability of aquatic macrophytes for the assessment of the rivers of Cyprus - Water Framework Directive 2000/60/EC." 4th Panhellenic Conference of Hellenic Ecological Society, Hellenic Zoological Society, Hellenic Botanical Society and Hellenic Phycological Society, 9 – 12 October, Volos, Greece.

Manolaki P., **Vourka A.**, Slimistinos O., Papastergiadou E.S. (2007). "Using River Habitat Survey for Environmental Assessment and Catchment's Planning in Greece." In: Kungolos A., Aravossis K., Karagiannidis A., & P. Samaras (eds) *Proceed. of the Intern. Conference on Environmental*

Management, Engineering, Planning & Economics (CEMEPE), June 2007, Skiathos, Greece, Vol. I: 557-562

Technical reports

Vourka A., Theodoropoulos C. & Bintoudi E. (2016). Monitoring the ecological quality of rivers of Greece under the Article 8 of the Water Framework Directive 2000/60 EU. "Report on the 14 Water Districts of Greece for 2015". HCMR, Institute of Marine Biological Resources and Inland Waters, Anavyssos, Greece, 152 pp. (In Greek).

Vourka A. & Theodoropoulos C. (2016). Monitoring the ecological quality of rivers of Greece under the Article 8 of the Water Framework Directive 2000/60 EU. "Report on the 14 Water Districts of Greece for 2012 - 2013 - 2014". HCMR, Institute of Marine Biological Resources and Inland Waters, Anavyssos, Greece, 230 pp. (In Greek).

Moustaka, M., Michaloudi, E., Katsiapi, M., Genitsaris, S., Charalampous, E. and **Vourka, A.** (2011). Monitoring of Lake Ismarida and exploration of the food chain within the frame of restoration actions, The Goulandris Natural History Museum - Greek Biotope/Wetland Centre, Aristotle University of Thessaloniki, School of Biology, Thessaloniki, Greece, 90 pp. (In Greek).

Seminars

2017: First Aid, National Emergency Aid Centre, Athens, Greece

2011: ArcGIS, Marathon Data Systems, Thessaloniki, Greece