


PERSONAL INFORMATION

Natalia Kapetanaki



 Institute of Marine Biological Resources and Inland Waters, Hellenic Center for Marine Research
Athinon - Souniou Ave (46.7th km), Anavyssos, 19013, Greece

 +30 2291076396

 +30 2291076310  +30 6979484273

 nataliak@hcmr.gr, nataliekapetanaki@gmail.com

Sex Female | Date of birth 10/08/1986 | Nationality Greek

WORK EXPERIENCE

01/02/2018 to present:

Research Associate

Hellenic Center for Marine Research (HCMR), Institute of Marine Biological Resources and Inland Waters (IMBRIW), Hydrochemistry Laboratory

Water Sample Analyst and operator of SKALAR San++ Automated Wet Chemistry Analyzer, Nutrient and Chemical Analyses of river, coastal and transitional waters and operator of San++ Automated Wet Chemistry Analyzer

1/12/2017-31/12/2017:

Research Associate

1/7/2017-31/8/2017

Hellenic Center for Marine Research (HCMR), Institute of Marine Biological Resources and Inland Waters (IMBRIW), Hydrochemistry Laboratory

1/1/2017-31/3/2017

1/10/2015-30/4/2016

Water Sample Analyst and operator of SKALAR San++ Automated Wet Chemistry Analyzer, Nutrient and Chemical Analyses of river, coastal and transitional waters and operator of San++ Automated Wet Chemistry Analyzer

27/03/2013-31/10/2015:

Research associate

Laboratory of Environmental Chemistry, Department of Chemistry, National and Kapodistrian University of Athens (NKUA)

Participation in samplings. Nutrient species analyses in seawater samples and sediments. Trace element analyses in seawater and sediments with ICP-MS and AAS (GFAAS,FAAS). Conduction of Technical reports.

1/10/2008-15/11/2008:

Internship as a Chemical Engineer Student

Colgate Palmolive Hellas, Department of Packaging

EDUCATION AND TRAINING

27/03/2013-12/6/2018:

PhD Environmental Chemistry

Laboratory of Environmental Chemistry, Department of Chemistry,
National and Kapodistrian University of Athens (NKUA)

PhD Thesis: Study of biogeochemical processes in an intermittently anoxic coastal system (Gulf of Elefsis) under simulated Ocean Acidification Conditions.

19/10/2010-21/12/2012:

MSc Chemical Oceanography

Laboratory of Environmental Chemistry, Department of Chemistry,

17/9/2004-19/10/2010: National and Kapodistrian University of Athens (NKUA)
MSc Thesis: Biogeochemical study of a coastal lagoon: the case of Koumoundourou lagoon
B.Sc. Chemical Engineering

National Technical University of Athens (NTUA)

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent
Proficiency Certificate of Cambridge University, 2001 (C2)					
Spanish	Very Good	Very Good	Good	Good	Good
Intermedio, 2009 (Nivel B2)					
French	Good	Good	Good	Good	Good
Delf A1, 2000					

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Computer Certificate **Global Cert Intermediate B (11/2015)**

▪ good command of office suite (word processor, spread sheet, presentation software)

Driving licence Driving Licence (B Category, 4/2/2005)

Scuba Diving Certificate PADI Open Water Diver (20/10/2018)

Projects **2/2018 up to now:** *Monitoring and recording of the ecological status (quality, quantity, pressures, use) of Greek waters.* Institute of Marine Biological Resources and Inland Waters, HCMR

Nutrient and Chemical Analyses of water samples and operator of San++ Automated Wet Chemistry Analyzer

1/12/2017-31/12/2017: *Globaqua, Managing the effects of multiple stressors on aquatic ecosystems under water scarcity.* Institute of Marine Biological Resources and Inland Waters, HCMR

Nutrient and Chemical Analyses of water samples and operator of San++ Automated Wet Chemistry Analyzer. Dissolved Inorganic Carbon Determinations in water samples through Flow Injection Analysis.

7/2017-8/2017: *Danubius PP.* Institute of Oceanography, HCMR

Nutrient and Chemical Analyses of water samples and operator of San++ Automated Wet Chemistry Analyzer. Dissolved Inorganic Carbon Determinations in water samples through Flow Injection Analysis.

1/2017-3/2017: *Assessment of the Ecological Status of Pikrodafni stream.* Institute of Marine Biological Resources and Inland Waters, HCMR

Nutrient and Chemical Analyses of river, coastal and transitional waters and operator of San++ Automated Wet Chemistry Analyzer

10/2015-4/2016: *Monitoring of the ecological quality in river water, coastal and transitional waters of Greece in application of the Water Framework Directive 2000/60/EC.* Institute of Marine Biological Resources and Inland Waters, HCMR

Nutrient and Chemical Analyses of river, coastal and transitional waters and operator of San++ Automated Wet Chemistry Analyzer

3/2013-10/2015: *Integrated Study of trace METals biogeochemistry in the COastal MARine ENVIRONMENT (ISMETCOMAREN).* Laboratory of Environmental Chemistry, NKUA

Participation in 3 samplings with R/V AEGEON (HCMR) and 1 sampling with R/V FILIA (HCMR). Field sampling of seawater (Rosette Niskin bottles) and sediments (box corer). On-board measurements of physicochemical parameters and immediate chemical determinations of dissolved oxygen and total alkalinity. Nutrient species analyses in seawater samples. Nutrient analyses in sediments. Design and application of a new method for Fe species (colorimetric determination) in seawater and sediment. Design and application of a new method for trace metal preconcentration in seawater and analysis with ICP-MS. Design and setup of microcosm experiments for the study of Ocean Acidification (OA) effects on a coastal marine system. Conduction of Technical reports.

9/2011-12/2012: *Chemistry of seafloor hydrothermal fluids and mineral formation in a submarine volcano (Kolumbo, Santorini, Greece).* Laboratory of Environmental Chemistry, NKUA

Sampling and chemical analysis of seawater (several depths), hydrothermal fluids, sediments and chimneys from Kolumbo, Santorini, Greece. Participation in E/V Nautilus (USA) NA014 Cruise to the Hellenic Volcanic Arc, Greece (1-10 September 2011). Data logger. On-board determinations of dissolved oxygen, total alkalinity and sulfide. Standard method application for seawater preconcentration for trace metal analysis (Cd, Cu, Ni, Pb, Al, Mn, Fe, Zn) and final determination with FAAS and GFAAS; Hg determination with CVAAS. Sediment and solid sample digestion for trace metal analysis (Cd, Cu, Ni, Pb, Al, Mn, Fe, Zn) with FAAS and GFAAS and Hg with CVAAS. Sequential extraction procedure for trace metals in sediment and chimney samples.

9/2011-12/2011: *Environmental impact of dredging activities at a coastal industrial area.* Laboratory of Environmental Chemistry, NKUA and Institute Oceanography, HCMR

Application of standard method for sediment digestion for final Cd and Hg determination with GFAAS and CVAAS respectively.

4/2011-11/2012: *Assessing the Ecological status and proposing management and restoration measures for Koumoundourou lake.* Laboratory of Environmental Chemistry, NKUA and Institute of Marine Biological Resources and Inland Waters, HCMR

Participation in bimonthly samplings (1 year) with inflatable boat (4m), water sampling, sediment and sediment core sampling. Application of standard method for preconcentration of trace metals in seawater and final determination with GFAAS and FAAS. Determination of microbiological parameters in seawater samples. Sulfate and sulfide determination in seawater samples. Application of standard method for sediment digestion for trace metal and nutrient determinations and sequential extraction procedure for trace metals.

3/2007-11/2007: *Development and implementation of a quality control system at gas stations.* Fuel and Lubricant Technology Laboratory, Department of Chemical Engineering, NTUA

Gasoline and diesel sampling from gas stations in Greece.

Publications

Kapetanaki N., Krasakopoulou E., Stathopoulou E., Pavlidou A., Zervoudaki S., Dassenakis M., Scoullou M. 2018. Simulation of Coastal Processes affecting pH with Impacts on Carbon and Nutrient Biogeochemistry. *Mediterranean Marine Science*, 19(2), 290-304. doi:<http://dx.doi.org/10.12681/mms.14439>

- Conferences**
- Kapetanaki N**, Stathopoulou E, Pavlidou E, Zachioti P, Zervoudaki S, Krasakopoulou E, Dasenakis E, Scoullou M. 2015. Nutrient cycle alterations in Elefsis Gulf under simulated ocean acidification conditions. *Sustainable Mediterranean, Issue No71. Proceedings of the International Conference: Environmental Perspectives of the Gulf of Elefsis, A Mediterranean case study where Science meets the Society*. Elefsis, Greece, September 11-12, pp. 40-44.
- Kapetanaki N**, Stathopoulou E, Karavoltos S, Katsouras G, Krasakopoulou E, Dasenakis E, Scoullou M. 2015. Biogeochemical processes under anoxic conditions affecting Arsenic (As) distribution in Elefsis Gulf: possible alterations due to simulated ocean acidification conditions - a preliminary assessment. *Sustainable Mediterranean, Issue No71. Proceedings of the International Conference: Environmental Perspectives of the Gulf of Elefsis, A Mediterranean case study where Science meets the Society*. Elefsis, Greece, September 11-12, pp. 74-77.
- Tziava A, Stathopoulou E, **Kapetanaki N**, Dassenakis E, Scoullou M. 2015. Seabottom sediments of the Gulf of Elefsis: A potential secondary source of metals under simulated ocean acidification conditions. *Sustainable Mediterranean, No71. Proceedings of the International Conference: Environmental Perspectives of the Gulf of Elefsis, A Mediterranean case study where Science meets the Society*. Elefsis, Greece, September 11-12, pp. 44-47.
- Kapetanaki N**, Stathopoulou E, Krasakopoulou E, Zervoudaki S, Dasenakis E, Scoullou M. 2015. Implications of Hypoxia on Ocean Acidification effects in a Coastal Marine Environment: preliminary results of a Perturbation Experiment on C, N and P Biogeochemistry. *In Proceedings of the 11th Panhellenic Symposium on Oceanography & Fisheries*, Mytilene, Lesbos, May 13-17, 881-884 pp.
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- Training**
- Training and Practice on the operation of **San++ Automated Wet Chemistry Analyzer (SKALAR)** for the determination of nutrient species in water samples. **Hellenic Centre for Marine Research (HCMR), Institute of Marine Biological Resources and Inland Waters** (September, 2016)
- Training and Practice on **VINDTA 3C** (Versatile INstrument for the Determination of Total inorganic carbon and titration Alkalinity) for the determination of Total Alkalinity (AT) and Dissolved Inorganic Carbon (DIC) in seawater samples. **HCMR, Institute of Oceanography** (September, 2016)
- Training and Practice on **ICP-MS** use for trace element determination in marine samples, training on extra-clean techniques of sample treatment. **International Atomic Energy Agency's** (IAEA) Environment Laboratories, Monaco (June, 2015)
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- Courses – Further Education**
- Institute of Vocational Training in Performing Arts / Dance (2016-2018)
- Course on 'Trainers Program for the Lifelong Learning', **Hellenic Open University** (January, 2014)
- Course on 'Wastewater Treatment and Reuse', in the framework of ENPI Horizon 2020 Capacity Building/Mediterranean Environment Programme, **UNESCO-IHE Institute for Water Education**, Athens, Greece (2011).