

PERSONAL INFORMATION



Alexandra Pavlidou
Marine Chemist, Research Director

📍 Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Marine Chemistry, 46.7 Km Athens-Sounio Av., 19013 Anavyssos, Greece, <http://www.hcmr.gr>
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Sex Female | **Date of birth** 21/10/1967 | **Nationality** Hellenic (Greek)

PERSONAL STATEMENT

Dedicated to Oceanographic team research. Research focus on: chemical processes in the water column of marine environments; Pollution and especially eutrophication; assessment of the water quality and trophic status of coastal marine ecosystems; study of low oxygen and anoxic marine environments.

WORK EXPERIENCE

2016 - PRESENT

Research Director in Marine Chemistry

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Marine Chemistry, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Nutrient Dynamics and Eutrophication, Water Quality Assessment, Marine Pollution.

2012 - 2016

Senior Researcher in Marine Chemistry

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Marine Chemistry, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Nutrient Dynamics and Eutrophication, water quality assessment, marine pollution.

2006 - 2011

Associate Researcher in Marine Chemistry

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Marine Chemistry, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Nutrient Dynamics and Eutrophication, water quality assessment, marine pollution.

2000-2006

Technical Scientist

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Marine Chemistry, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Nutrient Dynamics and Eutrophication.

1991-1999

Research Fellow

National and Kapodistrian University of Athens, Department of Environmental Chemistry, Univ. Campous 15784, Zografou, Greece

- Marine pollution (trace metals), metal speciation

OTHER POSITIONS

2016 - PRESENT

Head of Chemistry Department

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

2006 - PRESENT

Head of Chemical and Geochemical laboratories of IO-HCMR and Responsible for the Quality Control of the labs

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

EDUCATION

1991-1998

PhD in Marine Chemistry

National and Kapodistrian University of Athens, Department of Environmental Chemistry, Univ.
Campous 15784, Zografou, Greece

- Thesis Title: "Metal Speciation in extreme microenvironments of Saronikos Gulf using anodic stripping voltametry."

1986-1991

B.Sc. in Chemistry

National and Kapodistrian University of Athens, Department of Environmental Chemistry, Univ.
Campous 15784, Zografou, Greece

- Thesis Title: "Chemical War".

ADDITIONAL INFORMATION

Recent Publications
SELECTED (2015-Today)

1. Livanou, E., Lagaria, A., Santi, I., Mandalakis, M., Pavlidou, A., Lika, K., Psarra, S., (2019). Pigmented and heterotrophic nanoflagellates: Abundance and grazing on prokaryotic picoplankton in the ultra-oligotrophic Eastern Mediterranean Sea. *Deep-Sea Research Part II* doi: <https://doi.org/10.1016/j.dsr2.2019.04.007>.
2. Rahav, E., Silverman, J., Raveh, O., Hazan, O., Rubin-Blum, M., Zeri, Cr., Gogou, A., Kralj, M., Pavlidou, A., Kress, N., (2019). The deep water of Eastern Mediterranean Sea is a hotspot for bacterial activity. *Deep-Sea Research Part II*, <https://doi.org/10.1016/j.dsr2.2019.03.004>
1. Pavlidou, A., N. Simboura, K. Pagou, G. Assimakopoulou, V. Gerakaris, I. Hatzianestis, P. Panayotidis, M. Pantazi, N. Papadopoulou, S. Reizopoulou, C. Smith, M. Triantaphyllou, M. C. Uyarra, I. Varkitzi, V. Vassilopoulou, C. Zeri, and Á. Borja, 2019. Using a holistic ecosystem-integrated approach to assess the environmental status of Saronikos Gulf, Eastern Mediterranean. *Ecological Indicators*, 96: 336-350
2. Varkitzi, I., Markogianni, V., Pantazi, M., Pagou, K., Pavlidou, A., & Dimitriou, E. (2018). Effect of river inputs on environmental status and potentially harmful phytoplankton in a coastal area of eastern Mediterranean (Maliakos Gulf, Greece). *Mediterranean Marine Science*, 0. doi:<http://dx.doi.org/10.12681/mms.14591>
3. 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*, 0. doi:<http://dx.doi.org/10.12681/mms.14439>
4. Yalçı, B., Artüz, M.L., Pavlidou, A., Çubuk, S., Dassenakis, M. (2017). Nutrient dynamics and eutrophication in the Sea of Marmara: Data from recent oceanographic research. *Science of the Total Environment*, 601-602: 405-424.
5. Velaoras, V., Papadopoulos, V., Kontoyiannis H., Papageorgiou, D. Pavlidou A. (2017). The response of the Aegean Sea (Eastern Mediterranean) to the extreme 2016 - 2017 winter. *Geophysical Research Letters*, 44, 9416–9423. <https://doi.org/10.1002/2017GL074761>
6. Tsompanoglou, K., Anagnostou, Ch., Krasakopoulou, E., Pagou, K., Karageorgis, A.P., Pavlidou, A., Albanakis, K., Tsirambides, A. (2017). Distribution and geochemical composition of suspended particulate material in the shallow embayment of northern Thermaikos Gulf, Greece. *Continental Shelf Research*, 143:295-310
7. Markogianni V., Varkitzi I., Pagou K., Pavlidou A., Dimitriou E. (2017). Nutrient flows and related impacts between a Mediterranean river and the associated coastal area. *Continental Shelf Research*, 134:1-14.
8. Simboura N., Pavlidou A., et al., (2016). Response of ecological indices to nutrient and chemical contaminant stress factors in Eastern Mediterranean coastal waters. *Ecological Indicators*, 70: 89-105.
9. Alygizakis N.A., Gago-Ferrero P., Borova V.L., Pavlidou A., et al., (2016). Occurrence and spatial distribution of 158 pharmaceuticals, drugs of abuse and related metabolites in offshore seawater, *Science of The Total Environment*, 541:1097-1105.
10. Papadopoulos V.P., Zhan P., Sofianos S.S., Raitsos D.E., Qurban M., Abualnaja Y., Bower A., Kontoyiannis H., Pavlidou A., et al., (2016). Factors governing the deep ventilation of the Red Sea, *Journal of Geophysical Research: Oceans*, 120(11):7493-7505.
11. Boero, F., et al., (2016). CoCoNet: Towards Coast to Coast networks of marine protected areas (from the shore to the high and deep sea), coupled with Sea-based wind energy potential *Scires-it-Scientific Research and Information Technology Volume: 6 Pages: 1-95*.
12. Dimitriou P.D., Papageorgiou N., Arvanitidis C., Assimakopoulou G., Pagou K., Papadopoulou K.N., Pavlidou A., et al., (2015). One Step forward: Benthic Pelagic Coupling and Indicators for Environmental Status, *PLoS ONE*, 10(10): 1-17.
13. Pavlidou A., et al., (2015). Methods of eutrophication assessment in the context of the water framework directive: Examples from the Eastern Mediterranean coastal areas, *Continental Shelf Research*, 108: 156-168.
14. Katsiaras N., Simboura N., Tsangaris C., Hatzianestis I., Pavlidou A., Kapsimalis V. (2015). Impacts of dredged-material disposal on the coastal soft-bottom macrofauna, Saronikos Gulf, Greece. *Science of the Total Environment*, 508: 320-330.
15. Simboura N., Tsapakis M., Pavlidou A., et al., (2015). Assessment of the environmental status in Hellenic coastal waters (Eastern Mediterranean): from the Water Framework Directive to the Marine Strategy Water Framework Directive. *Mediterranean Marine Science*, 16(1): 46-64.

- Projects
SELECTED
- MEDREGION (Support **M**editerranean Member States towards the implementation of the Marine Strategy Framework Directive new GES Decision and programmes of measures and contribute to **r**egional/subregional cooperation). DG ENV/MSFD 2018; Participation for D5 (2019-).
 - MSFD Monitoring Program: "Implementation of MSDF in Greece" D5 eutrophication research team (2017-2020).
 - WFD Monitoring Program- Phase-2: Monitoring of the ecological quality of rivers, transitional and coastal waters according to WFD 2000/60/EE: Responsible for sampling and nutrient dynamics (2017-2020).
 - MEDCIS (Support Mediterranean Member States towards coherent and Coordinated Implementation of the second phase of the MSFD) (2017- 2020), participation.
 - ACTIONMED: Action Plans for Integrated Regional Monitoring Programmes, ENV/MSFD Action Plans/2014, participation (2015-2017).
 - EUROFLEETS 2 (FP7, 2012-2017) - New operational steps towards an alliance of European research fleets, participation.
 - EMODnet-Chemistry/ Phase 2: European Observation and Data Network, EU-Financial Regulation for the Integrated Maritime Policy, participation (2013-2016).
 - COCONET: Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential, FP7 European Project, participation (2012-2016).
 - WFD Monitoring Program- Phase-1: Responsible for sampling and nutrient dynamics (2012-2015).
 - EMODnet-Chemistry/ Phase 1- Chemistry: European Observation and Data Network, EU-Financial Regulation for the Integrated Maritime Policy. Participation (2009-2013).
 - PERSEUS (FP7 IP, 2011-2015) - Policy-oriented Marine Environmental Research for the Southern European Seas, participation
 - SESAME (FP6 IP, 2006-2011) - Southern European Seas: Assessing and Modelling the Changes in Ecosystems, participation
 - IASON (FP6, 2004-2006) - International Action for Sustainability of the Mediterranean and Black Sea EnvirOnmeNt, participation
 - INTERPOL (FP5, 2001-2004) - Impact of Natural and Trawling Events on Resuspension, dispersion and fate of POLLutants, participation
 - ADIOS (FP5, 2001-2004) - Atmospheric Deposition and Impact of pollutants, key elements and nutrients on the Open Mediterranean Sea, participation
 - KEYCOP (MAST-III, 1998-2001) - KEY COastal Processes in the mesotrophic Skagerrak and the oligotrophic northern Aegean: a comparative study, participation
 - METROMED (MAST-III, 1996-1999) - Dynamics of Matter Transfer and Biogeochemical Cycles: Their Modeling in Coastal Systems of the Mediterranean Sea, participation
 - MATER (MTP II, 1996-1999) - Mass Transfer and Ecosystem Response, participation.

PROFESSIONAL MEMBERSHIPS

Member of the Editorial Board of the scientific journal Science of the Total Environment (Elsevier)
 Topic Editor of the scientific journal Frontiers in Marine Science for the Research Topic: "Interaction Between Climate Change and Anthropogenic Pressures in the Eutrophication".
 Member of the Chemical Society of Greece
 Member of the Association of Greek Oceanographers
 Member of Greek Researchers Association
 Member of ECSA (Estuarine & Coastal Sciences Association).
 Member of European Association of Geochemistry (EAG).
 Member of American Geophysical Union.
 Member of Geochemical Society (GS).
 Member of Coastal Education & Research Foundation

Citations

Scopus cited documents: 41
 Total citations: 648
h-index: 15