

PERSONAL INFORMATION



Eleni Rousselaki

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Sex: Female | **Date of birth:** 18/01/1980 | **Nationality:** Hellenic

WORK EXPERIENCE

14/4/2009 – Current

Nutrients Laboratory, Institute of Oceanography, H.C.M.R.

- Analysis of seawater samples for nutrients
- Analysis of seawater samples for dissolved oxygen
- Knowledge of ISO/IEC 17025 requirements for the competence of testing and calibration laboratories procedures in the analytical lab.
- Data analysis & reporting
- Participation in Oceanographic cruises under various research projects at the Aegean, Ionian Sea, Levantine Sea, Red Sea for more than 500 days in total

01/2005 – 02/2008

Laboratory of Environmental Chemistry, National Kapodistrian University of Athens

- Analysis for trace metals in seawater samples, sediments and marine organisms
- Participation in Researcher Night programs

EDUCATION

2013- Current **PhD candidate**

Department of Chemistry, National Kapodistrian University of Athens

Thesis title: «Biogeochemical processes and fluxes of nutrients and ions, at coastal, pelagic and extreme marine environments», Supervisor: E. Dassenakis

09/2004-12/2007

Master Science in Oceanography

Laboratory of Environmental Chemistry, National Kapodistrian University of Athens

Title: «Heavy metals in the estuaries of Sperchios River and Maliakos Gulf»

09/1997-09/2004

Bachelor degree in Chemistry

National Kapodistrian University of Athens

Title: «Chromium speciation in marine sediments»

PERSONAL SKILLS

Mother tongue Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
English	Very good	Very good	Very good	Very good	Very good

DIGITAL SKILLS

ECDL core (Word / Excel / PowerPoint/Access).

ECDL Expert (PowerPoint / Excel).

Grapher, Surfer, ODV

Seminars in R software

WI-SAHFOS Time Series Summer School on time series observations using R-software

Alfred Wegner Institute, Helgoland, Germany, 22/9-3/10/2014

ECODAR, Ecological Data Analysis with R-software

University of Aegean, Mytilene, 6-11/07/ 2015

Data exploration, linear regression, GLM and GAM with R

HCMR & Highland statistics Ltd, Heraklion, 24-28/04/2018

PUBLISHED WORK IN PEER-REVIEWED SCIENTIFIC JOURNALS

1. Pavlidou A., Velaoras, D, Karageorgis, A.P., **Rousselaki E.**, Parinos C., Dähnke K., Möbius J., Meador T.B., Psarra, S., Frangoulis C., Souvermezoglou E., Androni A., Assimakopoulou G., Chaikalis S., Kanellopoulos T.D., Lagaria A., Zachioti P., Gogou, A. (2020). Seasonal variations of biochemical and optical properties, physical dynamics and N stable isotopic composition in three northeastern Mediterranean basins (Aegean, Cretan and Ionian Seas). *Deep-Sea Research Part II: Topical Studies in Oceanography*, 171, 104704, <https://doi.org/10.1016/j.dsr2.2019.104704>
2. Pavlidou A., Simboura N., **Rousselaki E.**, Tsapakis M., Pagou K., Drakopoulou P., Assimakopoulou G., Kontoyiannis H., Panayotidis P. (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., <http://dx.doi.org/10.1016/j.csr.2015.05.013>
3. Simboura N., Tsapakis M., Pavlidou A., Assimakopoulou G., Pagou K., Kontoyiannis H., Zeri Ch., Krasakopoulou E., **Rousselaki E.**, Katsiaras N., Diliberto S., Naletaki M., Tsiamis K., Gerakaris V., Drakopoulou P., Panayotidis P. (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. <http://dx.doi.org/10.12681/mms.960>,

4. Anastasopoulou E., Skoulikidis N., Pavlidou A., **Rouselaki E.**, Gritzalis K. (2014). Seasonal variation and inputs of nutrients to the estuary of Pamisos River (Messinia - Peloponnese) Greece. *Fresenius Environmental Bulletin*, 23 (12A): 3248-3254. <http://www.prt-parlar.de/>
5. Pavlidou A. and **Rouselaki E.** (2014). Impacts of aquacultures on the water column: Dissolved Oxygen and Nutrients. *Fresenius Environmental Bulletin*, 23 (12A): 3325-3330. <http://www.prt-parlar.de/>
6. Pavlidou A., Anastasopoulou E., Dassenakis M., Hatzianestis I., Paraskevopoulou V., Simboura N., **Rouselaki E.**, Drakopoulou P. (2014). Effects of olive oil wastes on river basins and an oligotrophic coastal marine ecosystem: A case study in Greece, *Science of the Total Environment*, 497–498, 38–49. <http://dx.doi.org/10.1016/j.scitotenv.2014.07.088>
7. Manos Dassenakis, **Eleni Rouselaki**, Thanos Kastritis. (2009). Effects of the construction of irrigation reservoirs on the distribution of pollutants in estuarine zones of small Mediterranean rivers. The case of Sperchios river, Greece. *EQA – Environmental quality / Qualité de l'Environnement / Qualità ambientale*, 1, 7-16. <https://eqa.unibo.it/article/view/3810>
8. Diamantopoulou, E, Dassenakis, M., Paraskevopoulou, V., **Rouselaki, E.**, Tomara, V. (2008). Heavy metals behaviour and distribution in a shallow Mediterranean lagoon , *Fresenius Environmental Bulletin*, Volume 17, Issue 10 B, Pages 1717-1724

PUBLISHED WORK IN BOOKS AND SPECIAL EDITIONS

1. M. Dassenakis, **E. Rouselaki**, V. Paraskevopoulou. (2018). Maliakos Gulf: Environmental State and management prospects based on the principles of sustainable development, In: *Development and Management of the Coastal Area*, Scientific Meeting between Greece and Italy, Edited by Letizia Cremonini, Aristeidis Mertzanis, Georgios Efthimiou
2. **Rouselaki, E.**, Pavlidou, A., Michalopoulos, P., Dassenakis, M., Scoullou, M. (2015). Nutrient benthic fluxes and porewater concentrations in the Gulf of Elefsis.. In: *Sustainable Mediterranean*, co-produced by MIO-ECSDE, UNEP/MAP, Secretariat of the Barcelona Convention, the Ministry of Environment and Energy of Greece, the City of Elefsis, the University of Athens (UoA). It is a contribution to the 19th Conference of the Parties to the Barcelona Convention. Issue 71: p. 36-39, <http://mio-ecsde.org/project/proceedings-of-the-international-conference-environmental-perspectives-of-the-gulf-of-elefsis-a-mediterranean-case-study-where-science-meets-the-society-proceedings-of-the-international-co/>
3. Pavlidou A., Pagou K., Assimakopoulou G., **Rouselaki E.** (2015). Evolution over the last 30 years of the trophic conditions in the Gulf of Elefsis., In: *Sustainable Mediterranean*, co-produced by MIO-ECSDE, UNEP/MAP, Secretariat of the Barcelona Convention, the Ministry of Environment and Energy of Greece, the City of Elefsis, the University of Athens (UoA). It is a contribution to the 19th Conference of the Parties to the Barcelona Convention. Issue 71: p. 20-22. <http://mio-ecsde.org/project/proceedings-of-the-international-conference-environmental-perspectives-of-the-gulf-of-elefsis-a-mediterranean-case-study-where-science-meets-the-society-proceedings-of-the-international-co/>
4. Pavlidou, A., Hatzianestis, I., Zeri Ch., **Rouselaki, E.** (2011). Chemistry of Submarine Groundwater discharge in Kalogria Bay, Messinia-Greece, In: *Environmental Earth Sciences Book Series: «Advances in the Research of Aquatic Environment»*. Lambrakis, N., Stourmaras, G., Katsanou, K. (Eds), Volume II: 229-237, Springer-Verlag Berlin Heidelberg, <http://www.springer.com/jp/book/9783642240751>

**PUBLISHED WORK IN
CONFERENCES
PROCEEDINGS**

1. Pavlidou A., **Eleni Rousselaki**, Nikolaos Katsiaras, Nomiki Simboura. (2021). Assessment of the ecological and eutrophication status of the coastal waters in Aegean Sea, Eastern Mediterranean Sea, in relation to anthropogenic pressures. 52nd Liège Colloquium on Ocean Dynamics: Towards an understanding and assessment of human impact on coastal marine environments, Liège, Belgium 17th – 21st May 2021, Online event.
 2. Pavlidou A., **E. Rousselaki**, D. Velaoras & V. Papadopoulos. (2018). Nutrient Dynamics in East Mediterranean Sea Under Different Water Masses. Goldschmidt conference, 12-17 August 2018, Boston.
 3. Tsiola Anastasia, Pitta Paraskevi, Stylianos Fodelianakis, Gregoire Michoud, Pavlidou Alexandra, **Rousselaki Eleni**, Simboura Nomiki, Zeri Christina, Karakassis Ioannis, Kotoulas Georgios, Daffonchio Daniele, Tsapakis Manolis. (2018). The impact of anthropogenic activities on bacterial and viral diversity in the Eastern Mediterranean Sea, SETAC Europe conference , May 2018, Rome.
 4. N. Simboura, K. Sigala, A. Pavlidou, **E. Rousselaki**, A. Venetsanopoulou, S. Reisopoulou. (2018). Assesemnt of the physicochemical status in Hellenic coastal lagoons methodology, 8th European Coastal Lagoons Symposium, 20-23 March, Athens
 5. Sofia Reizopoulou, Nomiki Simboura, Kalliopi Sigala, Alexandra Pavlidou, **Eleni Rousselaki**, Amalia venetsanopoulou, Artemis Nicolaidou. (2018). Using biological and physicochemical elements to assess the ecological status of transitional water bodies, Eastern Mediterranean, Greece, ECSA 2018, Perth, Australia
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6. Kaberi H., Rousakis G, **Rousselaki E**, Michalopoulos P, Karageorgis AP, Sakellariou D, Iliakis S, Androni A, Stavrakaki I, Kloeti D, Zoupa I. (2018). Geochemistry of sediments in a mud volcano field (Eatern Mediterranean). 12th Panhellenic Symposium of Oceanography & Fisheries, 30 May – 3 June 2018, Corfu, Greece
 7. Pavlidou A, Velaoras D, **Rousselaki E**, Kontoyiannis H, Psarra S.(2018). Chemical properties south of Crete, East Mediterranean Sea, Greece. 12th Panhellenic Symposium of Oceanography & Fisheries, 30 May – 3 June 2018, Corfu, Greece
 8. Zachioti P, Pavlidou A, **Rousselaki E**, Zoulias Th, Konstantinopoulou A, Giannakourou A, Pagou K. (2018). Nutrient enrichment related to aquaculture activities. 12th Panhellenic Symposium of Oceanography & Fisheries, 30 May – 3 June 2018, Corfu, Greece
 9. **E. Rousselaki**, P. Michalopoulos, A. Pavlidou, E. Kaberi, S. Iliakis, I. Zoupa, M. Dassenakis. (2018). Nutrients and DIC concentrations of pore-water samples in pelagic sediments on the south part of Crete, Eastern Mediterranean. Athens Conference on Advances in Chemistry, ACAC 2018, October 30– November 2, National and Kapodistrian University of Athens, Athens
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10. Michalopoulos Panagiotis, Krause Jeffrey W., Pickering Rebecca, **Rousselaki Eleni**, Taillefert Martial, Rabouille Christophe, Ragueneau Olivier and Corvaisier Rudolph. (2017). Microbial effects on early diagenetic Si cycling in deep-sea and deltaic sediments, GSA meeting, Seattle, 22-25 October 2017
 11. Paraschos F., Michalopoulos P., Rousakis G., **Rousselaki E.**, Hatzianestis I., Kaberi E., Pavlidou A. and Gogou A. (2017). A lipid biomarker study of the prokaryotic communities involved in the anaerobic oxidation of methane and methanogenesis at the Olimpi mud volcano field, Eastern Mediterranean, Μικροβιοκόσμος, Απρίλιος 2017, Αθήνα
 12. Pavlidou, **E. Rousselaki**, D. Velaoras and S. Psarra. (2017), Nutrient Dynamics in Eastern Mediterranean Sea, south of Crete island., Goldschmidt conference, August 2017, Paris

13. Pavlidou, H. Kontoyiannis and **E. Rousselaki**. (2016). Long term hypoxic/anoxic conditions and nutrient enrichment in an east Mediterranean embayment: West Saronikos Gulf, Aegean Sea, Greece). Goldschmidt conference, 26 June – 1 July 2016, Yokohama.
14. Pavlidou A., Pagou K., **Rousselaki E.**, Simboura N., Assimakopoulou G., Tsapakis M., Drakopoulou P., Varkitzi I. and Panayiotidis P. (2016). Trophic Status Of Greek Coastal Marine Environments (East Mediterranean) Coupled With Nutrient Stoichiometry And Human Pressures, EMEC17: 17th European Meeting on Environmental Chemistry, 29 Nov - 2 Dec, Inverness, Scotland.
15. Pavlidou A., Hatzianestis I., Zachioti P., **Rousselaki E.**, Assimakopoulou G., Zoulias T., Konstantinopoulou A. (2016). Eutrophication and organic sediment pollution in coastal areas of east Mediterranean Sea related to aquaculture activities: Case studies in Greece, ECSA 56: Coastal systems in transition: From a 'natural' to an 'anthropogenically-modified' state, 4-7 September 2016, Bremen, Germany
16. Pavlidou A., Simboura N., Tsapakis M., **Rousselaki E.** and Panagiotidis P. (2016). Ecological quality status of the Greek coastal waters coupled with environmental stressors, 41st CIESM Congress, 12-16 September 2016, Kiel, Germany.
17. Panagiotis Michalopoulos, **Eleni Rousselaki**, Olivier Ragueneau, Rudolph Corvaisier, Christophe Rabouille. and Martial Taillefert. (2015). Early diagenesis of silica and reverse weathering in marine sediments: Biological controls and interactions with organic carbon cycling and preservation, SILICAMICS, Biogeochemistry and genomics of silification and silifiers, Session 6 : The silica cycle: key players and processes, Brest, 22-25 September 2015.
18. Prifti, E., Kaberi, H., Zeri, C., **Rousselaki, E.**, Michalopoulos, P., Dassenakis, M. (2015). Calculation of benthic fluxes of metals using the pore water metal concentrations and the results from incubation experiments, 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos Island, Greece
19. **Rousselaki, E.**, Pavlidou, A., Tsapakis, M., Krasakopoulou, E., Assimakopoulou, G., Zachioti, P., Androni, A., Kontoyanis, H., Simboura, N., Pagou, K. and Panayotidis, P (2015). Distribution of Nitrogen to Phosphorous ratio at Hellenic coastal areas of intense natural and anthropogenic pressures: implementation of the WFD(2000/60/EE). 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos island, May 2015, Greece
20. Pavlidou A., Simboura N, **Rousselaki E**, Tsapakis M. and Assimakopoulou G. (2015). Assessment of the physicochemical status of Greek coastal waters using indicators under the EU Water Policy Directives, Scientific Symposium 2015: Tools for Assessing Status of European Aquatic Ecosystems, Session 4, Malmö, Sweden, May 2015, p. 23.
21. Hatzianestis, I, Pavlidou, A., **Rousselaki, E.** (2015). Assessment of pollution and eutrophication status in Louros and Arachthos estuaries (Amvrakikos gulf, N.W. Greece), 13th International Estuarine Biogeochemistry Symposium, book of abstracts p. 59, Bordeaux, 7th -10th June 2015.
22. Pavlidou, A., Hatzianestis, I., Gogou, A., Tsapakis, M., Simboura, N., Parinos, K., **Rousselaki, E.** (2015). Eutrophication and pollution assessment in Greek coastal areas in relation to different pressures. Euromarine Foresight Symposium, Future Coast - Europe, Abstract Book, p. 21, 5th – 7th October 2015, Berlin, Germany.
23. **Rousselaki E.**, Pavlidou A., Michalopoulos P., Prifti E., Kaberi H. (2015). Benthic fluxes of ex situ incubations and porewater nutrient concentrations near the wastewater treatment plant of Athens, Saronikos Gulf, Greece, Goldschmidt 2015, 16-21 August 2015, Prague, Czech Republic, Book of Abstracts, p. 2697.
24. Pavlidou A., **Rousselaki E.**, Assimakopoulou G., Kontoyiannis H. and Tsapakis M. (2014). Hypoxic/anoxic conditions in a Mediterranean semi-enclosed embayment in the Amvrakikos Gulf, Greece, 2ND International Ocean Research Conference. Barcelona 2014, Book of Abstracts, p. 114.

25. Pavlidou A., **Rouselaki E.**, Kontoyiannis H., Michalopoulos P. and Pagou K. (2014). Long Term Variability of Hypoxia/Anoxia and Eutrophication in a semi-enclosed area of the Aegean Sea (East Mediterranean). 46th International Liege colloquium on: Low oxygen environments in marine, estuarine and fresh waters, Liege, 5-9 May 2014.
26. **E. Rouselaki**, A. Pavlidou, P. Michalopoulos, H. Kaberi (2014). Nutrient fluxes in a hypoxic marine environment of East Mediterranean, Goldschmidt California 2014, 8-13 June 2014, Sacramento, California, Book of Abstracts, p. 2123.
27. Alexandra Pavlidou, **Eleni Rouselaki**, Georgia Assimakopoulou, Manolis Tsapakis and Nomiki Simboura (2014). Assessment of Eutrophication Quality in Greek Coastal Ecosystem (Eastern Mediterranean Sea), Geophysical Research Abstracts, EGU2014-10414, General Assembly 2014, Vienna, Austria.
28. Ladakis M., Botsou F., **Rouselaki E.**, Ovezikoglou V., Petrocheilou M. and Dassenakis M. (2013). Levels and distribution of heavy metals and TOC in the surface sediments of the bay of Souda, CEST2013, 13th International Conference on Environmental Science and Technology 5-7 September 2013, Athens, Greece.
29. E. Anastasopoulou, N. Skoulikidis, A. Pavlidou, **E. Rouselaki**, K. Gritzalis (2013). Seasonal variation and inputs of the nutrients loads to the estuary of Pamisos River (Messinia - Peloponnese) Greece. MESAEP - Mediterranean Scientific Association of Environmental Protection. 17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Instabul, 28 Sep – 1 Oct. Book of Abstract, p. 267.
30. Pavlidou A. & **Rouselaki E.** (2012). Nutrient concentrations in estuaries of Messinia prefecture. 11th Panhellenic Symposium on Oceanography and Fisheries, May 2012, Athens, p.76
31. Anastasopoulou, E., A. Pavlidou, I. Hatzianestis, E. Dassenakis, **E. Rouselaki**, V. Paraskeuopoulou and S. Karavoltzos (2011). Preliminary study on the effects of olive oil wastes on ecosystems of Messinia, Greece. Proceedings of the 16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP). Ioannina, 24-27 September 2011.
32. A.Pavlidou, I. Hatzianestis , Ch. Zeri, **E. Rouselaki**. (2011). Chemistry of submarine groundwater discharge in Kalogria Bay, Messinia, Greece, 9th International Hydrogeological Congress, Kalavrita, Greece, October 2011.
33. A. Pancucci, Δ. Καραμανίδου, Α. Παυλίδου, Π. Ζαχιώτη, **E. Ρουσελάκη**. (2010). Φυσικές επιστήμες και θαλάσσια περιβαλλοντική εκπαίδευση: Εφαρμογή στην προσχολική ηλικία. 6ο Πανελλήνιο Συνέδριο για τις Φυσικές Επιστήμες στην Προσχολική Εκπαίδευση, Αλεξανδρούπολη, 3-5 Δεκεμβρίου 2010.
34. **Eleni Rouselaki**, Maria Petrocheilou, Manos Dassenakis. (2010). Trace metals and PAHs Levels in the gulf of Souda, Northern Cretan Sea. 2nd EFMS Conference, Athens, 2010.
35. **Rouselaki Eleni**, Manos dassenakis (2009). Distribution in copper, lead and cadmium in Maliakos Gulf and Sperchios estuaries. 9th Panhellenic Symposium on Oceanography and Fisheries, Patra, Greece
36. **E. Rouselaki**, M. Dassenakis. (2008). Distribution of heavy metals along the salinity gradient of the Sperchios estuary. Aqua Conference, 2008, Athens.
37. M. Ladakis, S. Triantafyllaki, **E. Rouselaki**, and M. Dassenakis. (2007). Modeling the mobility of Mn in coastal sediments covered with cyanobacterial mats. MESAEP Conference, 2007, Sevilla, Spain.
38. E. Diamantopoulou, M. Dassenakis, V. Paraskevopoulou, **E. Rouselaki**, and V. Tomara. (2007). Seasonal – spatial fluctuation and phase distribution of heavy metals in a shallow Mediterranean lagoon. MESAEP Conference, 2007, Sevilla, Spain.
39. **E. Rouselaki**, F. Botsou, M. Dassenakis. (2007). Metal speciation in coastal marine sediments from Maliakos gulf using a modified BCR-sequential extraction procedure. MESAEP Conference, 2007, Sevilla, Spain.

40. **E. Rousselaki**, V. Paraskeuopoulou, T. Kastritis, C. Zeri, M. Petrochilou, M.Dassenakis. (2007). Heavy metals distribution in marine sediments of Maliakos gulf and Sperchios river, Central Greece. Ciesm Conference, 2007, Istanbul.
41. M. Ladakis, M. Dassenakis, S. Triantafyllaki, **E. Rousselaki**. (2006). Biochemical research on coastal oranosedimentary forms. Conference of Oceanography, 2006, Paris.
42. **E. Rousselaki Eleni**, M. Dassenakis (2006). Zinc distribution in dissolved and particulate phase in Maliakos Gulf and Sperchios River. 8th Panhellenic Symposium on Oceanography and Fisheries, Thessaloniki, Greece

PUBLISHED WORK IN WORKSHOPS

1. Simboura, N., Tsapakis M., Pavlidou A., Assimakopoulou G., Pagou K., Kontoyiannis H., Zeri Ch., Krasakopoulou E., **Rousselaki E.**, Katsiaras N., Diliberto S., Naletaki M., Tsiamis K., Gerakaris V., Drakopoulou P., Panayiotidis P. (2014). Integration across descriptors and indicators using the WFD experience and data: A case study based on the Hellenic National Monitoring Network. IRIS-SES 1st Scientific Workshop, Integrated Regional Monitoring Implementation Strategy in the South European Seas, Book of abstracts, p.2, Athens, 22-23 October 2014.
2. Kaberi H. Simboura N., Tsangaris C., Zeri C., Karageorgis A., J. Hatzianestis J., Prifti E., **Rousselaki E.**, Michalopoulos P., A. Pavlidou A., Reizopoulou S., Streftaris N. C. Ioakeimidis, Apostolaki E., Vizzini S., Santinelli V. (2014). Pollution status of the seafloor of Saronikos Gulf. PERSEUS 2nd Scientific Workshop, book of abstracts p. 46, 2nd– 4th December 2014, Marrakech, Morocco.
3. Anastasopoulou E., Pavlidou A., Hatzianestis I., Dassenakis E., **Rousselaki E.**, Paraskeuopoulou V. and Karavoltzos S. (2012). Some Effects of Olive Mill Wastewater on Coastal Ecosystems. Preliminary Study on the Effects of Olive Oil Wastes on Ecosystems of Messinia, Greece. Horizon 2020 Capacity Building/Mediterranean Environment Programme, “Best environmental practices in olive mill waste management and new technologies”, Lecture, Regional training: 19-21 March 2012, Athens, Greece

MEMBERSHIPS

- ✓ Member of the Greek Chemists Association (AGC)
- ✓ Member of the Hellenic Oceanographers Association (SEOK)