



First name CHRISTINA

Surname ZERI

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Nationality GREEK

Date of birth 17/01/1962

Gender FEMALE

Work experience

Dates 2011 - today

Position held Senior researcher

Dates 2006- 2011

Position held Associate Researcher

Name and address of employer Institute of Oceanography, Hellenic Centre for Marine Research, 47 km Athinon-Souniou ave., 19013 Anavyssos, Greece (HCMR)

Type of sector Academic – Marine Research

Dates 2006- 2012

Position held Part-time Lecturer

Main activities and responsibilities Lectures on Environmental and Marine Chemistry to undergraduate and graduate students.

Name and address of employer National and Kapodistrian University of Athens, Dept of Chemistry

Type of sector Academic

Education and training

Dates 1991-1995

Title of qualification awarded PhD in Chemical Oceanography - Marine Chemistry

Organisation providing education and training National and Kapodistrian University of Athens, Dept of Chemistry

Dates 1980-1985

Title of qualification awarded Diploma in Chemistry (4 year degree)

Name and type of organisation providing education and training National and Kapodistrian University of Athens, Dept of Chemistry

Personal skills and competences

Mother tongue(s) **GREEK**

Other language(s) **English, French**

Research Interests

- marine pollution (metals; plastics-microplastics)
- dissolved organic matter dynamics
- interactions between trace metals and organic matter

Organisational skills
and competences

- Since 2015 Member of the Scientific Advisory Board of the Institute of Oceanography / HCMR
- Scientist in charge of trace element analyses (clean techniques), dissolved organic carbon analysis and molecular spectroscopy (Fluorescence and FT-IR) of the 'Marine Analytical Laboratories' (MAL) of the Institute of Oceanography.
- Strong Project Management and Resources Management skills, with a focus in the field of the Marine Environment.
- Familiarity in cooperating with EU Institutions.

Technical skills and
competences

- Participation as principal investigator and as a group member in several EU funded R&D projects related to the marine environment and climatic change (from 1983 onwards). Emphasis on metal pollution, marine litter, biogeochemical cycles of trace elements and carbon, chemical interactions of metals-organic matter, optical properties of dissolved organic matter.
- Strong knowledge of the particularities of the SE Europe region in the field of the marine environment.
- Knowledge of the EU legislation in the field of the Environment and in particular the WFD and MSFD Directives.
- Long experience in analytical methods and techniques; laboratory infrastructure; environmental monitoring equipment.

Publications (since 2012)

1. Rahav E., Silverman J., Raveh O., Hazan O., Rubin-Blum M., **Zeri C.**, 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*, 164, 135-143, <https://doi.org/10.1016/j.dsr2.2019.03.004>
2. Fortibuoni T., Ronchi F., Mačić V., Mandić M., Mazziotti C., Peterlin M., Prevenios M., Prvan M., Somarakis S., Tutman P., Bojanić Varezić D., Kovac Virsek M., Vlachogianni Th., **Zeri C.**, 2019. A harmonized and coordinated assessment of the abundance and composition of seafloor litter in the Adriatic-Ionian macroregion (Mediterranean Sea). *Marine Pollution Bulletin*, 139, 412-426. doi.org/10.1016/j.marpolbul.2019.01.017.
3. Pavlidou A., Simboura N., Pagou K., Assimakopoulou G., Gerakaris V., Hatzianestis I., Panayotidis P., Pantazi M., Papadopoulou N., Reizopoulou S., Smith C., Triantaphyllou M., Uyerra M. C., Varkitzi I., Vassilopoulou V., **Zeri C.**, Borja A., 2019. Using a holistic ecosystem-integrated approach to assess the environmental status of Saronikos Gulf, Eastern Mediterranean. *Ecological Indicators* 96, 336–350. <https://doi.org/10.1016/j.ecolind.2018.09.007>.
4. Pitta E., **Zeri C.**, Tzortziou M., Rijkenberg M. J.A., 2019. Transformations of dissolved organic matter in the Marmara Sea traced by its optical signature. *Journal of Marine Systems* 189, 1–11, <https://doi.org/10.1016/j.jmarsys.2018.09.001>
5. **Zeri C.**, Adamopoulou A., Bojanić Varezić D., Fortibuoni T., Kovač Viršek M., Kržan A., Mandić M., Mazziotti C., Palatinus A., Peterlin M., Prvan M., Ronchi F., Siljic J., Tutman P., Vlachogianni Th., 2018. Floating plastics in Adriatic waters (Mediterranean Sea): From the macro- to the micro- scale. *Marine Pollution Bulletin* 136, 341–350, <https://doi.org/10.1016/j.marpolbul.2018.09.016>.
6. Vlachogianni T., Fortibuoni T., Ronchi F., **Zeri C.**, Mazziotti C., Tutman P., Bojanić Varezić D., Palatinus A., Trdan Š., Peterlin M., Mandić M., Markovic O., Prvan M., Kaberi H., Prevenios M., Kolitari J., Kroqi G., Fusco M., Kalampokis E., Scoullous M., 2018. 'Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance, composition and sources.' *Marine Pollution Bulletin* 131, 745–756, <https://doi.org/10.1016/j.marpolbul.2018.05.006>
7. Digka N., Tsangaris C., Kaberi H., Adamopoulou A. and **Zeri C.**, 2018. 'Microplastic Abundance and Polymer Types in a Mediterranean Environment.' Springer International Publishing AG 2018, M. Cocca et al. (eds.), *Springer Water*, https://doi.org/10.1007/978-3-319-71279-6_3
8. Prevenios, M., **Zeri C.**, Tsangaris C., Liubartseva, S., Fakiris E., Papatheodorou, G., 2018. 'Beach litter dynamics on Mediterranean coasts: Distinguishing sources and pathways'. *Marine Pollution Bulletin*, 129, 448–457. <http://dx.doi.org/10.1016/j.marpolbul.2017.10.013>
9. Vlachogianni, Th., **Zeri, Ch.**, Ronchi, F., Fortibuoni, T., Anastasopoulou, A., 2017. Marine Litter Assessment in the Adriatic and Ionian Seas. IPA-Adriatic DeFishGear Project, MIO-ECSDE, HCMR and ISPRA. pp. 180 (ISBN: 978-960-6793-25-7)
10. Kalantzi I., **Zeri C.**, Catsiki V.-A., Tsangaris C., Stroglyoudi E., Kaberi H., Vergopoulos N., Tsapakis M., 2016. 'Assessment of the use of copper alloy aquaculture nets: Potential impacts on the marine environment and on the farmed fish', *Aquaculture* 465, 209–222, <http://dx.doi.org/10.1016/j.aquaculture.2016.09.016>.
11. Ioakeimidis C., Fotopoulou K. N., Karapanagioti H. K., Geraga M., **Zeri C.**, Papatheodorou E., Galgani F. and Papatheodorou G., 2016. 'The degradation potential of PET bottles in the marine environment: An ATR-FTIR based approach'. *Nature Scientific Reports* 6, 23501; doi: 10.1038/srep23501.
12. Pitta E., **Zeri C.**, Tzortziou M., Mousdis G., Scoullous M., 2016, 'Seasonal variations in dissolved organic matter composition using absorbance and fluorescence spectroscopy in the Dardanelles Straits –North Aegean Sea mixing zone'. *Continental Shelf Research*, <http://dx.doi.org/10.1016/j.csr.2016.07.013>.
13. Simboura N., Pavlidou A., Bald J., Tsapakis M., Pagou K., **Zeri Ch.**, Androni A., Panayotidis P., 2016. Response of ecological indices to nutrient and chemical contaminant stress factors in Eastern Mediterranean coastal waters, *Ecological Indicators* 70, 89–105.
14. Tzortziou, M., **Zeri, C.**, Dimitriou, E., Ding, Y., Jaffé, R., Anagnostou, E., Pitta, E., Mentzafou, A., 2015, 'CDOM optical signature and insights on carbon dynamics, water quality and anthropogenic influences in a major transboundary river and its Ramsar protected coastal wetland'. *Limnology and Oceanography*, doi: 10.1002/lno.10092.
15. Ioakeimidis, C., **Zeri, C.**, Kaberi, H., Cristea, M., Antoniadis, K., Streftaris, N., Galgani, F., Papatheodorou, E., Papatheodorou, G., 2014, 'A comparative study of marine litter on the seafloor of coastal areas in the Eastern Mediterranean and Black Seas'. *Marine Pollution Bulletin*, 89, 296-304.

16. Paraskevopoulou, V., **Zeri, C.**, Kaberi, H., Chalkiadaki, O., Krasakopoulou, E., Dassenakis, M., Scoullou, M., 2014, 'Trace metal variability, background levels and pollution status assessment in line with the Water Framework and Marine Strategy Framework EU Directives in the waters of a heavily impacted Mediterranean Gulf'. *Marine Pollution Bulletin*, 87, 323-337.
17. 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., 2014, "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*, DOI: 10.12681/mms.960.
18. Pitta, E., **Zeri, C.**, Tzortziou, M., Dimitriou, E., Paraskevopoulou, V., Dassenakis, E., Scoullou, M. and E. Anagnostou, 2014, "Dissolved organic matter cycling in eastern Mediterranean rivers experiencing multiple pressures. The case of the trans-boundary Evros River", *Mediterranean Marine Science*, 15/2, 398-415, DOI: 10.12681/mms.565.
19. **Zeri C.**, Besiktepe S., Giannakourou A., Krasakopoulou E., Tzortziou M., Tsoliakos D., Pavlidou A., Mousdis G., Pitta, E., Scoullou M., and Papanthanasioy E. 2013. 'Chemical properties and fluorescence of DOM in relation to biodegradation in the interconnected Marmara - North Aegean Seas during August 2008', *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2013.11.019.
20. Dimitriou E., Mentzafou A., Markogianni V., Tzortziou M. and **Zeri C.**, 2012, " Geospatial Investigation into Groundwater Pollution and Water Quality Supported by Satellite Data: A Case Study from the Evros River (Eastern Mediterranean)", *Pure and Applied Geophysics*, DOI 10.1007/s00024-012-0621-2.
21. Cotou E., Henry M., **Zeri C.**, Rigos G., Torreblanca A., Catsiki V.-A., 2012. 'Short-term exposure of the European sea bass *Dicentrarchus labrax* to copper-based antifouling treated nets: copper bioavailability and biomarkers responses', *Chemosphere*, 89(9), 1091-1097.