

Kokkini Zoi

PERSONAL INFORMATION

Family name, First name: Kokkini, Zoi

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EDUCATION

- 2015 Ph.D. in Oceanography, Department of Marine Sciences, University of the Aegean, Greece.
- 2008 M.Sc. in Integrated Coastal Management, University of the Aegean, Greece.
- 2006 B.Sc. in Marine Science, Department of Marine Sciences, University of the Aegean, Greece.

PROFESSIONAL EXPERIENCE

- May 2019: Postdoctoral fellow, at CNR-ISMAR, Italy
- January 2018 – April 2019: Postdoctoral fellow, at KAUST University, Department. of Biological and Environmental Science and Engineering, group IOP, Thuwal, Saudi Arabia (for reference contact dr. Burton H. Jones email: burton.jones@kaust.edu.sa)
- September 2014 – December 2017: Research fellow, at the National Institute of Oceanography and experimental Geophysics – OGS, Department. Of Oceanography, group MAOS, Trieste, Italy (for reference contact dr. Pierre-Marie Poulain email: ppoulain@inogs.it)

SCIENTIFIC INTERESTS

- Autonomous platforms, Gliders, Floats, Drifters.
- HF Radars and Lagrangian technics.
- Thermohaline circulation.

OTHER SKILLS

- ADCP training, Italy 2019
- FUGRO ROV Pilot Technician II, Saudi Arabia 2019
- WERA HR Radar Operator, Germany 2009

PARTICIPATION IN RESEARCH PROGRAMMES

- “EUROFLEETS2 - New operational steps towards an alliance of European research fleets”, funded by Seventh framework programme, Grant Agreement (GA) No. 312762.
- Saudi Aramco Center for Marine Environmental Observations SAKMEO Project
- Argo –Italy, Italian contribution to the global ocean monitoring.
- Project POSEIDON-II, funded by the Financial Mechanism of the European Economic Area (EFTA) and by the Greek Government.

- Inter-basin exchange in the changing Mediterranean Sea: Impact on the ecosystems in the vicinity of the Straits connecting the Mediterranean Sea with the adjacent Basins. (MedEX). MarinERA funded project.
- Greek infrastructure for the autonomous ocean observing system ARGO (ARGO), funded by the European Roadmap of Research Infrastructures, by ESFRI-European Strategic Forum For Research Infrastructures
- Tracking Oil Spills and Coastal Awareness Network (TOSCA), funded by MED, Objective 2.3: Maritime risks prevention and strengthening of maritime safety.
- Specifically Targeted for Radars INnovative Gauge (STRING), funded by the Hellenic and French Governments in the framework of the bilateral projects 2013 'Plato'.

PUBLICATIONS IN JOURNALS

Google Scholar

https://scholar.google.com/citations?hl=en&user=2_DgXKYAAAAJ&view_op=list_works&sortby=pubdate

List of publications

1. **Z. Kokkini**, E. Mauri, P.-M. Poulain, R. Gerin, G. Notarstefano and S. Simoncelli (2020). On the salinity structure in the South Adriatic as derived from float and glider observations in 2013-2016. Deep Sea Research II, Volume 171, 104625, <https://doi.org/10.1016/j.dsr2.2019.07.013>
2. **Kokkini, Z.**, Notarstefano, G., Poulain, P.-M., Mauri, E., Gerin, R. and Simoncelli S., (2018). Copernicus Marine Monitoring Service Ocean State Report (CMEMS OSR, issue #2), Chapter 4: Remarkable events during 2016, 4.4 Unusual Salinity pattern in the South Adriatic Sea during 2016. Journal of Operational Oceanography
3. Vilibić I., Mihanović H., Janeković I., Denamiel C., Poulain P.-M., Orlić M., Dunić N., Dadić V., Pasarić M., Muslim S., Gerin R., Matić F., Šepić J., Mauri E., **Kokkini Z.**, Tudor M., Kovač Z., Džoić T., (2018) Wintertime dynamics in the coastal northeastern Adriatic Sea: the NAdEx 2015 experiment. Ocean Sci 14, 237–258.
4. **Kokkini Z.**, Gerin R., Poulain P.M., Mauri E., Pasarić Z., Janeković I., M. Pasarić, H. Mihanović and Vilibić I., (2017). A multi-platform investigation of Istrian Front dynamics (north Adriatic Sea) in winter 2015. Mediterranean Marine Science, 18. 344-354.
5. **Kokkini Z.**, Zervakis V., Mamoutos I., Potiris E., Frangoulis C., Kioroglou S., Maderich V., Psarra S., (2016) Quantification of the surface mixed-layer lateral transports via the use of a HF radar: application in the North-East Aegean Sea, Continental Shelf Research. DOI: 10.1016/j.csr.2017.04.006
6. Zervakis, V., **Kokkini, Z.**, Potiris, M., (2016), Estimating mixed layer depth with the use of a coastal high-frequency radar. Continental Shelf Research, <http://dx.doi.org/10.1016/j.csr.2016.07.008>
7. Bellomo, L., Griffo, A., Cosoli, S., Falco, P., Gerin, R., Iermano, I., Kalampokis A., **Kokkini Z.**, Lana A., Magaldi M.G., Mamoutos I., Mantovani C., Marmain J., Potiris E., Sayol J.M., Barbin Y., Berta M., Borghini M., Bussani A., Corgnati L., Dagneaux Q., Gaggelli J., Guterman P., Mallarino D., Mazzoldi A., Molcard A., Orfila A., Poulain P.-M., Quentin C., Tintoré J., Uttieri M., Vetrano A., Zambianchi E. and Zervakis V., (2015). Toward an integrated HF radar network in the Mediterranean Sea to improve

- search and rescue and oil spill response: the TOSCA project experience. *Journal of Operational Oceanography*, 95–107. doi: 10.1080/1755876X.2015.1087184
8. **Kokkini, Z.**, Potiris, M., Kalampokis, A. & Zervakis, V., (2014). HF Radar observations of the Dardanelles outflow current in the North-Eastern Aegean using validated WERA HF radar data. *Mediterranean Marine Science*, 15(4), pp. 753-768.

Under Preparation

1. Long-term validated current observations in the Sicily Channel (2009-2019). **Z. Kokkini**, A. Vetrano, M. Borghini, P. Calentano, J. Chiggiato, L. Pasquali, K. Schroeder, S. Sparnocchia.
2. Evolution and Structure of Mesoscale Activity During Wintertime in the Northeastern Half of the Red Sea. Eyouni, L., **Kokkini, Z.**, Zarokanellos, N., Jones, B.

PUBLICATIONS OF DATASETS (DOI)

1. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION Quarnero Dataset . 10.13120/e20f1fe1-73f5-442a-9baa-212682995a51
2. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION preconx16 Dataset . 10.13120/354c6c0b-85b8-452b-bba1-209e92256027
3. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION convx16 Dataset . 10.13120/1cd43eef-be72-4477-9213-3aaa9e2289ab
4. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION Cinel16 Dataset . 10.13120/5df8c74c-d95b-4c31-b317-8c18154c1106
5. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION preconx17 Dataset . 10.13120/85b38632-3903-42c0-b8d0-3783ac6b4204
6. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION convx17 Dataset . 10.13120/ae3bbc1b-acbf-44c4-8e07-a9fd6302e8b9
7. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION Cinel17 Dataset . 10.13120/f754f33a-7809-44cf-a9a4-1927e6db435b
8. Gerin R., Bussani A., **Kokkini Z.**, Kuchler S., Pacciaroni M., Zuppelli P. and Mauri E. (2021). OGS GLIDER MISSION preconx18 Dataset . 10.13120/4f6c6503-e0ed-4145-acef-a79e8f0187bb

INTERNATIONAL CONFERENCES

1. L. Eyouni, **Z. Kokkini**, N. Zarokanellos, and B. Jones (2021). Summertime stratification and inflow into the Northern Red Sea using high resolution glider and remote sensing observations. Ocean Science Meeting 2022, 27 Feb-4 Mar, Hawaii.
2. L. Eyouni, **Z. Kokkini**, N. Zarokanellos, and B. Jones (2020). Seasonal Characteristics of the Circulation Structure in the Northern Red Sea and Their Relationship with the Thermohaline and Wind Forcing. Ocean Science Meeting, 16-21 Feb, San Diego, USA
1. L. Eyouni, **Z. Kokkini**, N. Zarokanellos, and B. Jones (2019). Physical and Biochemical Characteristics of the Central and Northern Red Sea During Winter 2019. 8th EGO meeting and International Glider Workshop, May 21-23, New Jersey, USA
2. **Zoi Kokkini**, Nikolaos D. Zarokanellos, Khaled Asfahani, Lina Eyouni, Burton H. Jones (2018). Water mass formation and biochemical response in the Northern Red Sea. Ocean Optics XXI\$, Dubrovnik, October 2018.
3. Mauri E., P.-M. Poulain, R. Gerin, D. Hayes, H. Gildor and **Z. Kokkini**, Hydrodynamic characteristics in the Levantine Basin in autumn 2016 – The CINEL experiment (Circulation and water mass properties in the North-Eastern Levantine), EGU2017
4. E. Mauri, R. Gerin, **Z. Kokkini**, G. Notarstefano and P. Poulain, South Adriatic glider measurements during November 2015, 42th CIESM conference, 2016.
5. I. Vilibic, P. M. Poulain, M. Orlic, I. Janekovic, V. Dadic, R. Gerin, **Z. Kokkini**, Z. Kovac, E. Mauri, H. Mihanovic, M. Pasaric, Z. Pasaric, J. Sepic and M. Tudor, The 2015 Northern Adriatic Experiment: Preliminary results, 42th CIESM conference, 2016.
6. **Zoi Kokkini**, Riccardo Gerin, Elena Mauri, Pierre-Marie Poulain, Frontal structures in the North Adriatic as observed by a Slocum glider, 48th International Liege Colloquium on Ocean Dynamics, 2016.
7. **Z. Kokkini**, E. Mauri, R. Gerin, G. Notarstefano and P.-M. Poulain, The use of gliders in a continuous monitoring of the South Adriatic Sea, 7th EGO Conference on Autonomous Ocean Gliders and Their Applications, 2016.
8. **Z. Kokkini**, R. Gerin, E. Mauri, P. Zuppelli, S. Kuchler, A. Bussani, M. Pacciaroni and P.-M. Poulain. Multi parametric and multi-platform observations in the North Adriatic in winter 2015. Glider Community Workshop 2015, East Anglia University, Norwich, UK, 6th-7th May 2015.
9. **Zoi Kokkini**, P. - M. Poulain, R. Gerin, E. Mauri, G. Notarstefano and M. Menna Thermohaline variability of the Ionian and South Adriatic seas in 2013-2017, 6th Euro-Argo Users Meeting, 4-5 July 2017, Paris
10. Anna-Maria Rammou, Vassilis Zervakis, Lucio Bellomo, **Zoi Kokkini**, Celine Quentin, Carlo Mantovani and Alkiviadis Kalampokis. STRING: A new drifter for HF radar validation. Geophysical Research Abstracts. Vol. 17, EGU2015-9822, 2015.
11. Psarra S., Zervaki V., Lagaria A., Frangoulis, C., Giannakourou, A., Gogou, A., Karageorgis, A., **Kokkini, Z.**, Krasakopoulou, E., Mara, P., Parinos, C., Pitta, E., Pitta, P., Tragou, E., Tsiola, A., Triantaphyllou, M., Zeri, C.. Effects of the Black Sea Water inflow on the ecosystem functioning of the NE Aegean Sea (NE Mediterranean). Aquatic Sciences Meeting Aquatic sciences: Global and regional perspectives – North Meets South, 2015
12. **Z. Kokkini**, V. Zervakis. Estimation of Mean Dynamic Topography using HF radar data. 40th Ciesm, Marseille, France, 2013.
13. Pierre-Marie Poulain, Riccardo Gerin, Vassilis Zervakis, **Zoi Kokkini**. Circulation and dispersion in the Gulf of Trieste as measured by surface drifters. Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics Meeting ,LAPCOD V , Miami Beach, 2012.

14. **Z. Kokkini**, V. Zervakis. 'Dardanos' System, a HF Radar system operating in the North-Eastern Aegean Sea. Radio Oceanography Workshop ROW12 , Toulon, France, 2012.
15. **Z. Kokkini**, V. Zervakis and S. Kuriakidis. Monitoring Surface Pollutants Using a WERA HF Radar. MedCoast, Rhodes island, Greece, 2011.
16. V. Zervakis, G. Korres, **Z. Kokkini**, E. Tragou and T. Karambas. 'Dardanos': a WERA system for monitoring the Dardanelles outflow in the Aegean. 39th Ciesm, Venice, Italy, 2010.