

Elina Tragou

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Education

- 1989 B.Sc. in Physics, Physics Department, University of Athens
- 1992 M.Sc. in Physical Oceanography, University of Athens
- 1998 Ph.D. in Physical Oceanography, School of Earth and Ocean Sciences, University of Victoria, Canada.

Professional Experience

- 1999-2000: Post-doctoral work, University of Athens
- 2001-2004: Research Assistant, Hellenic Centre for Marine Research
- 2004-2009: Lecturer, Department of Marine Sciences, University of the Aegean
- 2009-present: Assistant Professor, Department of Marine Sciences, University of the Aegean

Scientific Interests

- Air-Sea interaction in the Mediterranean and the Red Sea
- Buoyancy driven circulation and water mass formation in semi-enclosed seas.
- Measurements of small-scale processes contributing to improved model parameterization.

Participation in Research Programmes

- As a graduate student participated in projects investigating processes in marginal seas funded by the Canadian NSERC and the US ONR
- INTERPOL. (EVK3-2000-00023): Impact of Natural and Trawling Events on Resuspension, Dispersion and fate of Pollutants
- Interactions and exchange between the Aegean and Black Seas: Bilateral Greek -Ukrainian project, funded by the corresponding governments.
- Infrastructure Development for the Monitoring of Inter-Regional Pollution in the North Aegean. (project funded by INTERREG-I Programme).
- Southern European Seas: Assessing and Modelling Ecosystem changes (SESAME), funded by the 6th FP (6.3: Climate Change and Ecosystems)
- Prevention and Management of sea-originated Risks to the Coastal Zone (CORI), funded by INTERREG III B ARCHIMED.
- Pelagic Fish Distribution and Marine Environment in Greek Waters (FISHSAT), funded by the 2nd Programme on Operational Fisheries 2000-2006.
- European Science Foundation Program: Mediterranean Climate Variability and Predictability (ESF-MedCliVar)
- POSEIDON-II. Funded by the Financial Mechanism of the European Economic Area (EFTA, 85%) and the Hellenic Ministry of Finance (15%).
- Decadal scale Variability of the Mediterranean Ecosystem (MedEcos). MarinERA funded project
- 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.

- European Multidisciplinary Seafloor Observation-Hellenic node (EMSO-HELLAS), funded by the European Roadmap of Research Infrastructures, by ESFRI-European Strategic Forum For Research Infrastructures.
- 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.
- "Analysis of float observations" Subcontracting to the Hellenic Centre for Marine Research in the framework of the project "Greek Infrastructure of autonomous ARGO floats for ocean observations – ARGO"

Publications

- Lascaratos, A., R. Williams, and **E. Tragou**, 1993. A mixed-layer study of the formation of Levantine intermediate water. *J. Geophys. Res.*, Vol. 98, 14,739–14,749.
- Garrett, C., K. Speer, and **E. Tragou**, 1995. The relationship between water mass formation and the surface buoyancy flux, with application to Phillip's Red Sea model. *J. Phys. Oceanogr.*, Vol. 25, 1696–1705.
- **Tragou, E.**, and C. Garrett, 1995. The stratification and circulation of the buoyancy driven Red Sea. *Ocean Modelling*, Issue 110 , 6–9.
- **Tragou, E.**, and C. Garrett, 1997. The shallow thermohaline circulation of the Red Sea. *Deep-Sea Research*, Vol. 44, 1355–1376.
- **Tragou, E.**, C. Garrett, R. Outerbridge, and C. Gilman, 1999. The heat and freshwater budgets of the Red Sea. *J. Phys. Oceanogr.* Vol. 29, 2504–2522.
- **Tragou, E.** and A. Lascaratos, 2003. The role of aerosols on the Mediterranean solar radiation. *J. Geophys. Res.*, Vol. 108(C2), 3025, doi:10.1029/2001JC001258.
- **Tragou, E.**, V. Zervakis, E. Papageorgiou, S. Stavrakakis and V. Lykousis, 2005: Monitoring the physical forcing of resuspension events in the Thermaikos Gulf-NW Aegean during 2001-2003. *Continental Shelf Research*, 25, pp. 2315–2331.
- Estournel, C., V. Zervakis, P. Marsaleix, A. Papadopoulos, F. Auclair, L. Perivoliotis and **E. Tragou**, 2005: Dense water formation and cascading in the Gulf of Thermaikos (North Aegean): implications on sediment transport. *Continental Shelf Research*, 25, pp. 2366–2386.
- Kioroglou, S., **E. Tragou**, and V. Zervakis, 2013. Assessing shelf mixing using CTD, ADCP, and free falling shear probe turbulence data. *Continental Shelf Research*, 69, pp. 73-87. DOI 10.1016/j.csr.2013.09.014
- Zervoudaki S., Frangoulis, C., Svensen, C., Christou, E.D., **Tragou, E.**, Arashkevich, E.G., Ratkova, T.N., Varkitzi, I., Krasakopoulou, E., Pagou, K., 2013. Vertical carbon flux of biogenic mater in a coastal area of the Aegean Sea. Importance of appendicularians. *Estuaries and Coasts*, Published online: 24 October, 2013. DOI 10.1007/s12237-013-9723-z
- Kioroglou, S, **Tragou, E.**, Zervakis, V, Georgopoulos, D, Herut, B, Gertman, I, Kovacevic, V, Ozsoy, E, Tutsak, E, 2014. Vertical diffusion processes in the Eastern Mediterranean - Black Sea System. *Journal of Marine Systems* 135(SI):53-63. doi: 10.1016/j.jmarsys.2013.08.007

Chapters in books

- **Tragou, E.**, 2005: *The air-sea-land system (Introduction)*. In "State of the Hellenic Marine Environment", E. Papathanassiou and A. Zenetos (eds.), HCMR Publications, Athens 2005, ISBN 960-86651-8-3, pp. 55.
- **Tragou, E.**, 2005: *Air-sea exchanges*. In "State of the Hellenic Marine Environment", E. Papathanassiou and A. Zenetos (eds.), HCMR Publications, Athens 2005, ISBN 960-86651-8-3, pp. 61– 64.
- Tsimplis, M., V. Zervakis, S. Josey, E. Peneva, M.V. Struglia, E. Stanev, P. Lionello, P. Malanotte-Rizzoli, V. Artale, A. Theocharis, **E. Tragou** and T. Oguz, 2006: Changes in the Oceanography of the Mediterranean Sea and their Link to Climate Variability. In "Mediterranean Climate Variability", P. Lionello, P. Malanotte-Rizzoli and R. Boscolo (eds.), Elsevier, Amsterdam 2006, ISBN-13: 978-0-444-52170-5.