

Svitlana Liubartseva

Contact Information

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Fondazione CMCC – Centro EuroMediterraneo sui Cambiamenti Climatici
Viale Berti Pichat, 6/2, 40127 Bologna – Italy

Education

- Ph.D. in Geophysics **1997**
Department of Optics and Biophysics, Marine Hydrophysical Institute
Sevastopol, Ukraine
Title: Investigation of the Black Sea hydrogen sulfide zone by means
of mathematical modeling
- B.S. in Physics **1984**
Physics Department, Russian Research Centre Kurchatov Institute
Moscow State University, Moscow, Russia

Professional Development

- Intensive Summer School offered by NATO Advanced Study Institute **2002**
on ‘Ocean Carbon Cycle and Climate’
Middle East Technical University, Ankara, Turkey
Director: T. Oguz, Ph.D.

Professional Experience

- Researcher **2012 – present**
Fondazione CMCC – Centro EuroMediterraneo sui Cambiamenti Climatici
Bologna, Italy
- Senior Scientist **1999 – 2012**
Department of Dynamics of Oceanic Processes
Marine Hydrophysical Institute
Sevastopol, Ukraine
- Scientist **1994 – 1999**
Department of Optics and Biophysics
Marine Hydrophysical Institute
Sevastopol, Ukraine
- Research Engineer **1984 – 1994**
Department of Optics and Biophysics
Marine Hydrophysical Institute
Sevastopol, Ukraine

Specialization

- Oil spill and plastic debris modeling
- Numerical simulation of marine pollution and sediment transport
- Modeling the O₂, C, N, P, Si, S, CH₄, Fe, and Mn cycles in marine ecosystems
- Applied statistics

Total number of publications: 71

Selected Peer-Reviewed Publications

1. **Liubartseva, S.**, Coppini, G., Lecci, R., Clementi, E., **2018**. Tracking plastics in the Mediterranean: 2D Lagrangian model. *Mar. Pollut. Bull.* 129, 151–162, <https://doi.org/10.1016/j.marpolbul.2018.02.019>
2. Prevenios, M., Zeri, C., Tsangaris, C., **Liubartseva, S.**, Fakiris, E., Papatheodorou, G., **2017**. Beach litter dynamics on Mediterranean coasts: Distinguishing sources and pathways. *Mar. Pollut. Bull.* 129(2), 448–457, <https://doi.org/10.1016/j.marpolbul.2017.10.013>
3. **Liubartseva, S.**, Coppini, G., Pinardi, N., De Dominicis, M., Lecci, R., Turrisi, G., Creti, S., Martinelli, S., Agostini, P., Marra, P., and Palermo, F., **2016**. Decision support system for emergency management of oil spill accidents in the Mediterranean Sea, *Nat. Hazards Earth Syst. Sci. Discuss.*, 16, 2009–2020, doi:10.5194/nhess-16-2009-2016
4. **Liubartseva, S.**, Coppini, G., Lecci, R., Creti, S., **2016**. Regional approach to modeling the transport of floating plastic debris in the Adriatic Sea. *Mar. Pollut. Bull.* 103, 115–127. <https://doi.org/10.1016/j.marpolbul.2015.12.031>
5. **Liubartseva, S.**, De Dominicis, M., Oddo, P., Coppini, G., Pinardi, N., Greggio, N., **2015**. Oil spill hazard from dispersal of oil along shipping lanes in the Southern Adriatic and Northern Ionian Seas. *Mar. Pollut. Bull.* 90, 259–272. DOI: [10.1016/j.marpolbul.2014.10.039](https://doi.org/10.1016/j.marpolbul.2014.10.039)

Honors/Awards

- Honorary Diploma **2009**
Presidium of the Supreme Council of Autonomous Republic of Crimea
Simferopol, Crimea, Ukraine
- Municipal Honor by the City of Sevastopol **2006**
Sevastopol Municipal Government
Sevastopol, Ukraine

Professional Service

- Member of the European Geosciences Union **2015 – present**
- Referee for leading oceanographic journals **2012 – present**
- Member of Expert Commission **2011**
'Oil: Ecological Risk of the Black Sea Shelf Exploitation'
Sevastopol, Ukraine
- Expert in Ecological Safety, Council of Ministers of the Autonomous **2008**
Republic of Crimea, Ukraine

Selected Research Activities

- Researcher, Fondazione CMCC, Italy, Project 'AMAre' **2017 – present**
- Researcher, Fondazione CMCC, Italy, Project 'DeFishGear' **2014 – 2016**
- Researcher, Fondazione CMCC, Italy, Project 'TESSA' **2012 – 2015**
- Researcher, Fondazione CMCC, Italy, Project 'IONIO' **2012 – 2014**

Languages

- Russian (*Mother tongue*)
- Ukrainian (*Mother tongue*)
- English (*Advanced level*)
- Italiano (*Livello elementare*)
- Deutsch (*Grundstufe*)