PERSONAL INFORMATION

Leonidas Perivoliotis

- 10 Menelaou street, GR-18344 Moschato (Greece)
- +302291076400
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WORK EXPERIENCE

2000–Present

Special Scientist, Grade A

H.C.M.R., Institute of Oceanography, 46.7 km Athinon-Souniou Ave., Anavyssos (Greece)

- Research field: Operational Oceanography: monitoring and forecasting in regional & shelf seas; integrated services; information systems; Eulerian and Lagrangian Observatories; Numerical modelling of hydrodynamics; Numerical modelling of oil spill dispersion

- Head of Mediterranean of InSitu Thematic Assembly Center that collects process and disseminates measurements from operational monitoring platforms along the Med.

- Head of the Operational Oceanography Group, HCMR

- Participation in numerous EU and national projects related with operational oceanography (data management, numerical modelling) as co-ordinator or task responsible

1990–1999

Research Scientist

University of Athens, Division of Environmental Physics, Ocean Physics and Modelling Group

- Research field: Numerical modelling of hydrodynamics

- Participation in EU and national research projects related to numerical modelling

EDUCATION AND TRAINING

1988–1990

MSc in Physical Oceanography

Dept. of Applied Physics, University of Athens, Greece

1982–1987

BSc in Physics

Dept. of Physics, University of Athens, Greece

PERSONAL SKILLS

Mother tongue(s)   Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   Advanced communication skills gained through my participation in numerous European projects during the last 25 years.

Organisational / managerial skills

- Head of the Operational Oceanography Group, HCMR
- Head of the MonGOOS Data Center

- Head of the CMEMS Mediterranean InSitu TAC component

- Scientific team manager for HCMR participation in many European projects

Job-related skills
- Data management – Extensive experience through the coordination of the Mediterranean Insitu TAC and the MonGOOS Data Center

- Data analysis on InSitu Data

- Hydrodynamic numerical modelling

Computer skills
- Operating systems at administration level: Linux, Unix, Microsoft Windows

- Programming languages: Fortran, Matlab

- Network administration skills for Local Area Networks (LANs)

ADDITIONAL INFORMATION

Publications

Petihakis G, Perivoliotis L, Korres G, Ballas D, Frangoulis C, Pagonis P, Ntoumas M, Pettas M, Chalkiopoulos A, Sotiropoulou M, Bekiari M, Kalampokis A, Ravdas M, Bourma E, Christodoulaki S, Zacharioudaki A, Kassis D, Potiris E, Triantafyllou G, Tsiaras K, Krasakopoulou E, Velanas S, Zisis N. An integrated open-coastal biogeochemistry, ecosystem and biodiversity observatory of the eastern mediterranean - the cretan sea component of the POSEIDON system. Ocean Sci 2018;14(5):1223-45.

Zodiatis, G., Lardner, R., Alves, T. M., Krestenitis, Y., Perivoliotis, L., Sofianos, S., & Spanoudaki, K. (2017). Oil spill forecasting (prediction). Journal of Marine Research, 75(6), 923-953. doi:10.1357/002224017823523982

De Dominicis, M., Bruciaferri, D., Gerin, R., Pinardi, N., Poulain, P.M., Garreau, P., Zodiatis, G., Perivoliotis, L., Fazioli, L., Sorgente, R., Manganiello, C., 2016. A multi-model assessment of the impact of currents, waves and wind in modelling surface drifters and oil spill. Deep Sea Res.Part II: Top. Stud. Oceanogr.133, 21-38 https://doi.org/10.1016/j.dsr2.2016.04.002

Zodiatis, G., Dominicis,M.D., Perivoliotis,L., Radhakrishnan,H., Georgoudis,E., Sotillo, M., Lardner,R.W., Krokos,G., Bruciaferri,D., Clementi,E., Guarnieri,A., Ribotti, A., Drago,A., Bourma,E., Padorno,E., Daniel,P., Gonzalez,G., Chazot,C., Gouriou, V., Kremer,X., Sofianos, S., Tintore,J., Garreau,P., Pinardi,N., Coppini, G., Lecci,R., Pisano,A., Sorgente,R., Fazioli,L., Soloviev,D., Stylianou,S., Nikolaidis, A., Panayidou,X., Karaolia,A., Gauci,A., Marcati,A., Caiazzo,L., Mancini, M., 2016. The Mediterranean decision support system for marine safety dedicated to oil slicks predictions. Deep Sea Res.Part II: Top. Stud. Oceanogr.133, 4–20. http://dx.doi.org/10.1016/j.dsr2.2016.07.014

Zacharioudaki, A., Korres, G. & Perivoliotis, L.,2015 Wave climate of the Hellenic Seas obtained from a wave hindcast for the period 1960–2001 Ocean Dynamics (2015), Volume 65, Issue 6, pp: 795-816 https://doi.org/10.1007/s10236-015-0840-z

Krokos G., Velaoras D., Korres G., Perivoliotis L., Theocharis A.,2014. On the continuous functioning of an internal mechanism that drives the Eastern Mediterranean thermohaline circulation: The recent activation of the Aegean Sea as a dense water source area, Journal Of Marine Systems, Vol.129, 484-489, 2014

Bozzano R, Pensieri S; Pensieri L., Cardin V., Brunetti F.,Bensi M., Perihakis G., Tsagaraki T.M, Ntoumas M., Podaras D., Perivoliotis L.,The M3A network of open ocean observatories in the Mediterranean Sea, OCEANS - Bergen, 2013 MTS/IEEE, DOI:10.1109/OCEANS-Bergen.2013.6607996, pp. 1-10, 2013

Stavrakakis, S. , Gogou, A., Krasakopoulou, E., Karageorgis, A.P., Kontoyiannis, H., Rousakis, G., Velaoras, D., Perivoliotis, L., Kambouri, G., Stavrakaki, I., Lykousis, V., 2013. Downward fluxes of sinking particulate matter in the deep Ionian Sea (NESTOR site), Eastern Mediterranean: Seasonal and interannual variability, Biogeosciences, Volume 10, Issue 11, 2013, pp. 7235-7254

L. Perivoliotis, G. Krokos, K. Nittis, G. Korres, 2011, The Aegean Sea Marine Security Decision Support System, doi:10.5194/os-7-671-2011, Ocean Sci. 7, 671–683, 2011

Korres G., A. Papadopoulos, P. Katsafados, D. Ballas, L. Perivoliotis and K.Nittis, 2011. A 2-year intercomparison of the WAM-Cycle4 and the WAVEWATCH-III wave models implemented within the Mediterranean Sea . Medit. Mar. Sci. 12 (1), 129-152

Papadopoulos, A., G. Korres, P. Katsafados, D. Ballas, L. Perivoliotis and K. Nittis, 2011: "Dynamic downscaling of the ERA-40 data using a mesoscale meteorological model". Mediterranean Marine Science, 12/1, 183-198

M. Kulawiak, A. Prospathopoulos, L. Perivoliotis, M. Łuba, S. Kioroglou, A. Stepnowski, 2010:

Interactive visualization of marine pollution monitoring and forecasting data via a Web-based GIS. Computers & Geosciences 36 (2010) 1069–1080

Nittis K., L.Perivoliotis, G.Korres, D.Ballas, A. Papadopoulos, G.Triantafyllou, P. Pagonis, K.Tsiaras, G.Petihakis and P.Drakopoulos, 2010. POSEIDON II: Upgrading the monitoring and forecasting services in the Eastern Mediterranean Sea. Proceedings of the 5th International Conference of EuroGOOS, EuroGOOS publication n. 28, ISBN 978-91-974828-6-8, p.392-398

Korres G., Nittis K., Perivoliotis L., Tsiaras K., Papadopoulos A., Hoteit I. and Triantafyllou G., 2010. Forecasting the Aegean Sea hydrodynamics within the POSEIDON-II operational system. Journal of Operational Oceanography, Vol. 3, nu. 1, 37-49

Perivoliotis L., K.Nittis, A.Charissi, 2006. An integrated service for oil spill detection and forecasting in the marine environment. In "European Operational Oceanography: Present and Future", Publication of the European Communities, ISBN- 92-894-9788-2, pp 381-387.

Nittis K., L. Perivoliotis, G.Korres, C.Tziavos, I.Thanos, 2006. Operational monitoring and forecasting for marine environmental applications in the Aegean Sea. Environmental Modelling and Software (21), 243-257

Nittis K., L.Perivoliotis, D.Ballas, T.Soukissian, A.Papadopoulos, D.Georgopoulos, A.Mallios, G.Korres, G.Triantafyllou, A.Pollani, V.Zervakis, V.Papathanassiou, and G. Chronis, 2006. POSEIDON II : A second generation monitoring and forecasting system for the Eastern Mediterranean. In "European Operational Oceanography: Present and Future", Publication of the European Communities, ISBN- 92-894-9788-2, pp 585-590

Estournel C., Zervakis V., Marsaleix P., Papadopoulos A., Auclair F., Perivoliotis L., Tragou E., 2005. Dense water formation and cascading in the Gulf of Thermaikos (North Aegean) from observations and modelling, Continental Shelf Research, 25, 2366-2386.

Zervakis, V., Nittis, K., Perivoliotis, L. and C. Tziavos, 2002: A comparison of model predictions to observations of seasonal variability and circulation in the Eastern Mediterranean. In he Global Atmosphere and Ocean System, special issue – POSEIDON: An Integrated Operational Oceanographic System, Vol. 8, 2-3, pp. 141-162

Nittis K. and Perivoliotis L., 2002 : Circulation and hydrological characteristics of the North Aegean Sea: a contribution from real-time buoy measurements. In the Mediterranean Marine Science, Vol.3/1, 2002, pp. 21-31

Nittis K., V. Zervakis, L. Perivoliotis, Papadopoulos and G. Chronis, 2001: "Operational Monitoring and Forecasting in the Aegean Sea: System Limitations and Forecasting Skill Evaluation", Marine Pollution Bulletin, vol.43,pp. 154-163

Projects	2017-2019, BigDataOcean, Funded by EU, PI for HCMR

2018-2021, Copernicus Insitu TAC Phase II, Funded by Mercator Ocean, PI for HCMR

2015-2017, Copernicus Insitu TAC, Funded by Mercator Ocean, PI for HCMR

2015-2018, Jerico Next, Funded by EU, Participant Scientist (Data management)

2014-2015, MyOcean-FO' project, Funded by EU, Participant Scientist (Data management)

2013-2017, 'FixO3' project, Funded by EU, Participant Scientist (Data management)

2012-2015, MEDESS4MS, MED programme, PI for HCMR

2012-2014, IONIO, Interreg-III Greece-Italy, PI for HCMR

2012-2014, MyOcean-II' project, Funded by EU, Participant Scientist (Data management)

2011-2015, Jerico project, Funded by EU, Participant Scientist (Data management)

2009-2012, 'MyOcean' project, Funded by EU, Participant Scientist (Data management)

2008-2011, 'European Ocean Observatory Network – EuroSites', Funded by EU, Participant Scientist (Data management)

2005-2008, 'Marine and Coastal Information Services – MARCOAST', Funded by ESA, PI for HCMR

2005-2008, 'POSEIDON II', Funded by EFTA-EEA GRANTS, Participant scientist (Numerical modelling and Information Systems)

2007-2009, 'Building Operational Sustainable Services for GMES, BOSS4GMES', Funded by EU, Participant Scientist (Information Systems)

2007-2009, 'European Coastal-shelf Sea Operational and forecasting system – ECOOP', Funded by EU, Participant Scientist (Oil spill modelling)

2006-2009, 'Data Integration System for Eutrophication Assessment in Coastal Waters – INSEA', Funded by EU, Participant Scientist (Numerical modelling)

2008-2010, 'Global Ocean Observing Infrastructure – EURO ARGO' , Funded by EU, Participant Scientist (Information Systems)

2004-2008, 'Marine EnviRonment and Security in the European Area– Integrated Project, MERSEA-

IP', Funded by EU, Participant Scientist (Information Systems)

2004-2007, 'An integrated Operational Wave Monitoring and Forecasting System with applications to Shipping in Greece – ESPEN' , Funded by GSRT – EPAN, Participant Scientist (Information Systems)

2003-2004, 'Real-time Ocean Services for Environment and Security – ROSES', Funded by ESA, PI for HCMR

2003-2004, 'Oceanographic measurements and development of Saronikos gulf currents and waves numerical models for the Olympic Games of 2004, - Athens 2004', Funded by General Secretariat of Spots, Participant scientist (Numerical modeling and Information Systems)

2003-2004, 'Marine EnviRonment and Security in the European Area–MERSEA, Strand 1', Funded by EU, Participant Scientist (Numerical modeling)

2002-2004, 'Mediterranean network to Assess and upgrade Monitoring and forecasting Activity in the region – MAMA', Funded by EU, Participant Scientist (Information System)

2001-2003, 'Marine SAR Analysis and Interpretation System – MARSAIS', Funded by EU, Participant (Oil spill modelling)