



Sarantis Sofianos

Curriculum Vitae



Assistant Professor
Department of Physics
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Professional History:	
2015 – Present	Assistant Professor of Physical Oceanography, Faculty of Physics, University of Athens, Greece
2009 - 2015	Lecturer of Physical Oceanography, Faculty of Physics, University of Athens, Greece
2000 - 2009	Researcher, Faculty of Physics, University of Athens, Greece
1995 - 2000	Research Assistant, University of Miami, USA
1994 – 1995	Research Assistant, University of Athens, Greece

Education
BSc in Physics, University of Athens
PhD in Meteorology and Physical Oceanography, University of Miami , USA. Title: <i>"Circulation and Water Mass Formation in the Red Sea, and the Exchange with the Indian Ocean"</i> . Supervisor: Professor W. E. Johns.

A. RESEARCH ACTIVITY

A.1 Publications

Publications in peer reviewed international journals and books	
1	Sofianos S. S. and W. E. Johns, 2001: Wind induced sea level variability in the Red Sea, <i>Geophysical Research Letters</i> , 28, 3175-3178.
2	Sofianos S. S., W. E. Johns, and S. P. Murray, 2002: Heat and freshwater budgets in the Red Sea from direct observations at Bab el Mandeb, <i>Deep Sea Research II</i> , 49, 1323-1340.
3	Sofianos S. S. and W. E. Johns, 2002: An Oceanic General Circulation Model (OGCM) investigation of the Red Sea circulation, 1. The exchange between the Red sea and the Indian Ocean. <i>Journal of Geophysical Research</i> , 107, 3196, doi: 10.1029/2001JC001184.
4	S. S. Sofianos and W. E. Johns, 2003: An Oceanic General Circulation Model (OGCM) investigation of the Red Sea circulation. Part II.: The three-dimensional circulation in the Red Sea. <i>Journal of Geophysical Research</i> , 108, 3066, doi: 10.1029/2001JC001185.
5	Lascaratos A., S. Sofianos, and G. Korres, 2003: Interannual variability of atmospheric parameters over the Mediterranean basin fro 1945 to 1994, <i>CIESM Workshop Series</i> , vol. 16, pp. 21-24.
6	Theocharis A., A. Lascaratos, and S. Sofianos, 2003: Variability of sea water properties in the Ionian, Cretan and Levantine seas during the last century, <i>CIESM Workshop Series</i> , vol. 16, pp. 73– 76.
7	Lascaratos A., S. Sofianos, A. Theocharis and M. Tsimplis, 2005: Long term water masses: time scales, in “State of the Hellenic Marine Environment”, Eds. V. Papathanasiou and A. Zenetos, <i>HCMR Publ.</i> , 360 pp, ISBN: 960-86651-8-3.
8	Sofianos S. S., N. Skliris, A. Mantziafou, A. Lascaratos, G. Zodiatis, R. Lardner, D. Hayes, and G. Georgiou, 2006: Nesting operational forecasting models in the Eastern Mediterranean: active and slave mode, <i>Ocean Science Discussions</i> , 3, 1225–1254.
9	Skliris N., S. Sofianos and A. Lascaratos, 2007: Hydrological changes in the Mediterranean Sea in relation to changes in the freshwater budget: A numerical modelling study, <i>Journal of Marine Systems</i> , 65, 400-416.
10	Sofianos S. S. and W. E. Johns, 2007: Observations of the summer Red Sea circulation, <i>Journal of Geophysical Research</i> , VOL. 112, C06025, doi:10.1029 - 2006JC003886.
11	Zodiatis, G., R. Lardner, D. Hayes, G. Georgiou, S. Sofianos, N. Skliris, A. Lascaratos, 2008: Operational ocean forecasting in the Eastern Mediterranean:

	implementation and evaluation, <i>Ocean Science</i> , 4, 31-47.
12	Skiriris, N., A. Mantziafou, S. Sofianos, and A. Gkanasos, 2010: Satellite-derived variability of the Aegean Sea ecohydrodynamics, <i>Continental Shelf Research</i> , 30 (5), pp. 403-418.
13	Tzali, M., S. Sofianos, A. Mantziafou and N. Skiriris, 2010: Modelling the impact of Black Sea water inflow on the North Aegean Sea hydrodynamics, <i>Ocean Dynamics</i> , DOI: 10.1007/s10236-010-0277-3.
14	Skiriris, N., S. Sofianos, A. Gkanasos, A. Mantziafou, V. Vervatis, P. Axaopoulos, A. Lascaratos, 2011: Decadal scale variability of sea surface temperature in the Mediterranean Sea in relation to atmospheric variability, <i>Ocean Dynamics</i> , DOI 10.1007/s10236-011-0493-5.
15	Vervatis, V. D., S. Sofianos, and A. Theocharis, 2011: Distribution of the thermohaline characteristics in the Aegean Sea related to water mass formation processes (2005-2006 winter surveys), <i>J. Geophys. Res.</i> , doi:10.1029/2010JC006868.
16	Skiriris, N., S. S. Sofianos, A. Gkanasos, P. Axaopoulos, A. Mantziafou, V. Vervatis, 2011: Long-term sea surface temperature variability in the Aegean Sea, <i>Advances in Oceanography and Limnology</i> , 2:2, 125-139.
17	Zafirakou-Koulouris A., C. Koutitas, S. Sofianos, A. Mantziafou, M. Tzali and S. C. Dermissi, 2012, Oil Spill Dispersion Forecasting with the aid of a 3D Simulation Model, <i>Journal of Physical Science and Application</i> , 2012, 10, 448-453.
18	Tonani, M., J. A. U. Nilsson, V. Lyubartsev, A. Grandi, A. Aydogdu, J. Azzopardi, G. Bolzon, A. Bruschi, A. Drago, T. Garau, J. Gatti, I. Gertman, R. Goldman, D. Hayes, G. Korres, P. Lorente, V. Malacic, A. Mantziafou, G. Nardone, A. Olita, E. Ozsoy, I. Pairaud, S. Pensieri, L. Perivoliotis, B. Petelin, M. Ravaioli, L. Renault, S. Sofianos, M. G. Sotillo, A. Teruzzi, and G. Zodiatis, 2012: Operational evaluation of the Mediterranean Monitoring and Forecasting Centre products: implementation and results, <i>Ocean Sci. Discuss.</i> , 9, 1813–1851, doi:10.5194/osd-9-1813-2012
19	Johns, W. E. and S. Sofianos, 2012, Atmospherically Forced Exchange through the Bab el Mandeb Strait, <i>J. Phys. Oceanogr.</i> , 42, 1143–1157.
20	Vervatis V. D., S. S. Sofianos, N. Skiriris, S. Somot, A. Lascaratos and M. Rixen, 2013: Mechanisms controlling the thermohaline circulation pattern variability in the Aegean–Levantine region. A hindcast simulation (1960–2000) with an eddy resolving model, <i>Deep-Sea Research I</i> , 74, 82–97.
21	Özsoy E., S. Sofianos, I. Gertman, A. Mantziafou, A. Aydoğdu, S. Georgiou, E. Tutsak, A. Lascaratos, A. Hecht and M. A. Latif, 2014: Deep-water variability and inter-basin interactions in the Eastern Mediterranean Sea, in: <i>The Mediterranean sea: temporal variability and spatial patterns, Geophysical Monograph Series</i> , 202, 85-112.

22	Malanotte-Rizzoli P., V. Artale, G. L. Borzelli-Eusebi, S. Brenner ⁴ , G. Civitarese, A. Crise, J. Font, M. Gacic, N. Kress, S. Marullo, E. Ozsoy, M. Ribera d'Alcalà, W. Roether, K. Schroeder, S. Sofianos, T. Tanhua, A. Theocharis, M. Alvarez, Y. Ashkenazy, A. Bergamasco, V. Cardin, S. Carniel, F. D'Ortenzio, E. Garcia-Ladona, J. M. Garcia-Lafuente, A. Gogou, M. Gregoire, D. Hainbucher, H. Kontoyannis, V. Kovacevic, E. Krasakapoulou, G. Krokos, A. Incarbona, M. G. Mazzocchi, M. Orlic, A. Pascual, P.-M. Poulain, A. Rubino, J. Siokou-Frangou, E. Souvermezoglou, M. Sprovieri, I. Taupier-Letage, J. Tintoré, and G. Triantafyllou, 2014: Physical forcing and physical/biochemical variability of the Mediterranean Sea: a review of unresolved issues and directions for future research, <i>Ocean Science</i> , 10, 281-322, doi: 10.5194/os-10-281-2014.
23	Georgiou, S., A. Mantziafou, S. Sofianos, I. Gertman, E. Özsoy, S. Somot and V. Vervatis, 2014: Climate Variability and Deep Water Mass Characteristics in the Aegean Sea, <i>Atmos. Res.</i> , 152, 146-158, DOI: 10.1016/j.atmosres. 2014.07. 023.
24	Vervatis, V., N. Skliris and S. Sofianos, 2014: INTER-annual/decadal variability of the north Aegean Sea hydrodynamics over 1960-2000, <i>Medit. Mar. Sci.</i> , 15/4, 2014, SPECIAL ISSUE, 696-705.
25	Sofianos, S., V.Vervatis, A. Mantziafou, M. Ravdas and S. Georgiou, 2015: Investigating deep-water formation variability in the Aegean Sea and its influence in the adjacent basins deep circulation, <i>J. Black Sea/Medit. Envir.</i> , Special Issue, 74-77.
26	Sofianos, S. and W. E. Johns, 2015: Water Mass Formation, Overturning Circulation, and the Exchange of the Red Sea with the Adjacent Basins, in: N.M.A Rasul and I.C.F Stewart (eds.), <i>The Red Sea</i> , Springer Earth System Sciences, DOI 10.1007/978-3-662-45201-1_20.
27	Hernandez, F., E. Blockley, G. B. Brassington, F. Davidson, P. Divakaran, M. Drévilion, S. Ishizaki, M. Garcia-Sotillo, P. J. Hogan, P. Lagema, B. Levier, M. Martin, A. Mehra, C. Mooers, N. Ferry, A. Ryan, C. Regnier, A. Sellar, G. C. Smith, S. Sofianos, T. Spindler, G. Volpe, J. Wilkin, E. D. Zaron, A. Zhang, 2015: Performance evaluations, near real-time assessment of operational oceanography forecast products, <i>J. Oper. Ocean</i> , http://dx.doi.org/10.1080/1755876X.2015.1050282 .
28	Papadopoulos, V. P., Zhan, P., Sofianos, S. S., Raitos, D. E., Qurban, M., Abualnaja, Y., Bower, A., Kontoyiannis, H., Pavlidou, A., Asharaf T.T., M., Zarokanellos, N. and Hoteit, I., 2015: Factors governing the deep ventilation of the Red Sea. <i>J. Geophys. Res. Oceans</i> , 120, 7493–7505 DOI:10.1002/2015JC010996
29	Licer, M., P. Smerkol, A. Fettich, M. Ravdas, A. Papapostolou, A. Mantziafou, B. Strajnar, J. Cedilnik, M. Jeromel, J. Jerman, S. Petan, V. Malacic, and S. Sofianos, 2016: Modeling ocean and atmosphere during an extreme Bora event in Northern Adriatic using one-way and two-way atmosphere-ocean coupling, <i>Ocean Sci.</i> , 12, 71-86, doi:10.5194/os-12-71-2016.
30	Mavropoulou, A.-M., A. Mantziafou, E. Jarosz and S. Sofianos, 2016: The influence of Black Sea Water inflow and its synoptic time-scale variability in the

	North Aegean Sea hydrodynamics, <i>Ocean Dynamics</i> , 66(2), 195-206, doi: 10.1007/s10236-016-0923-5
31	Kostopoulos, V., E. Chrisagi, S. Sofianos, K. Helmis, 2016: Study of the impact of a new Drag Coefficient parameterization on the forecasting skill of an Ocean Model in the Aegean and Levantine Seas, <i>Med. J. Physics</i> , 1 (1), 22-31.
32	Zodiatis, G., M. De Dominicis, L. Perivoliotis, H. Radhakrishnan, E.Georgoudis, M. Sotillo, R. W. Lardner, G. Krokos, D. Bruciaferri, A. Ribotti, A. Drago, E. Bourma, E. Padorno, P. Daniel, G. Gonzalez, C. Chazot, V. Gouriou, S. Sofianos, J. Tintore, P. Garreau, N. Pinardi, G. Coppini, A. Pisano, E. D'Acunzo, R. Sorgente, L. Fazioli, D. Soloviev, S. Stylianou, A. Nicolaidis, X. Panayidou, A. Karaolia, 2015: The Mediterranean Decision Support System for Marine Safety dedicated to oil slicks predictions, <i>Deep Sea Res. Part II</i> , http://dx.doi.org/10.1016/j.dsr2.2016.07.014
33	Hatzonikolakis, Y., K. Tsiaras, J. A. Theodorou, G. Petihakis, S. Sofianos and G. Triantafyllou, 2016, Simulation of mussel <i>Mytilus galloprovincialis</i> growth with a dynamic energy budget (DEB) model in Maliakos and Thermaikos Gulfs (E. Mediterranean), <i>Aquaculture Environment Interactions</i> , Submitted.

Publications in peer reviewed international conference proceedings	
1	Johns W. E., S. P. Murray, and S. S. Sofianos, 1998: Atmospherically forced exchange through the strait of Bab el Mandeb, 1998 Ocean Sciences Meeting, AGU, February 1998, San Diego, California, USA.
2	Sofianos S. S. and W. E. Johns, 2000: Investigation of the seasonal exchange between the Red Sea and the Indian Ocean, a numerical model approach, 2000 Ocean Sciences Meeting, AGU, January 2000, San Antonio, Texas, USA.
3	Johns W. E. , S. S. Sofianos, and S. P. Murray, 2000: The exchange flow at Bab el Mandeb and the inferred heat and freshwater budgets of the Red Sea, April 2000, EGS XXV General Assembly, Nice, France.
4	Sofianos S. S. and W. E. Johns, 2000: Modeling the seasonal exchange between a semi-enclosed sea and the open ocean, April 2000, EGS XXV General Assembly, Nice, France.
5	Johns W. E. and S. S. Sofianos, 2002: Atmospherically forced exchange through the strait of Bab el Mandeb. April 2002, Villefrance, Second ONR Straits Workshop.
6	Korres G., A. Lascaratos and S. Sofianos, 2002: Use of atmospheric forecast fields in ocean circulation and wave prediction models in Greek areas, 5 th RAMS Workshop and Related Applications. 29 Sept. – 3 Oct. 2002, Santorini, Greece.
7	Korres G., A. Lascaratos, S. Sofianos and G. Kallos, 2002: The ALERMO ocean

	circulation forecast system, 3rd EuroGOOS Conference, December 2002, Athens, Greece
8	Korres G., A. Lascaratos, S. Sofianos and G. Kallos. 2002: The TRITON wave forecast system, 3rd EuroGOOS Conference, December 2002, Athens, Greece
9	Johns W. E., S. P. Murray, S. Sofianos, D. B. Olson and F. Yao, 2003: Exchanges of the Arabian Marginal Seas with the Indian Ocean, IUGG 2003 Meeting, Sapporo, Japan, June 30 – July 11, 2003.
10	Sofianos S., N. Skliris, and A. Lascaratos, 2004: Forcing mechanisms of the Aegean Sea Circulation, CIESM 2004 Meeting, Barcelona, May 2004.
11	Lascaratos A. and S. Sofianos, 2004: Deep water mass variability in the Eastern Mediterranean, CIESM 2004 Meeting, Barcelona, May 2004.
12	Druon J-N., W. Schrimpf, S. Dobricic, E. Peneva, A. Lascaratos, S. Sofianos, P. Garreau, S. Djavidnia, 2004: Relative Contribution of the Eutrophication and Hydromorphology to Bottom Oxygen Deficiency: The case of the Mediterranean and Black Seas, CIESM 2004 Meeting, Barcelona, May 2004.
13	Sofianos S., A. Lascaratos, and V. Vervatis, 2004: Monitoring the Saharan dust dispersion in the Mediterranean Sea with a numerical model (2001-2002), CIESM 2004 Meeting, Barcelona, May 2004.
14	Skliris N., A. Lascaratos, and S. Sofianos, 2004: Modelling the impact of the Nile damming on the Mediterranean thermohaline circulation, CIESM 2004 Meeting, Barcelona, May 2004.
15	Skliris N., S. Sofianos, A. Lascaratos, 2004: Past and future changes in the Mediterranean "climate" in relation to changes in the freshwater budget: a numerical modeling study, 36 th International Liege Colloquium on Ocean Dynamics: "Marine Environmental Monitoring and Prediction", May 2004, Liege, Belgium.
16	Kallos G., S. Sofianos, I. Pytharoulis, P. Katsafados and N. Skliris, 2005: Limited area atmosphere/ocean forecasting system for the Eastern Mediterranean MFSTEP activities, 2005 International Ocean Research Conference, UNESCO-TOS, Paris, France, June 2005.
17	Sofianos S., N. Skliris, V. Vervatis, D. Olson, V. Kourafalou, A. Lascaratos and W. Johns, 2005: On the Forcing Mechanisms of the Aegean Sea Surface Circulation, Geophysical Research Abstracts, Vol.7, 04223.
18	Skliris N., S. Sofianos and A. Lascaratos, 2006: Changes in the Mediterranean Sea climate in relation to changes in the freshwater budget: a numerical modeling study, Geophysical Research Abstracts, Vol.8, 02251.
19	Zodiatis G., R. Lardner, D. Hayes, G. Georgiou, S. Sofianos, N. Skliris and A. Lascaratos, 2006: Implementation and evaluation of regional and coastal ocean forecasting systems in the Eastern Mediterranean, Geophysical Research

	Abstracts, Vol.8, 04627.
20	Theocharis A., V. Vervatis and S. Sofianos, 2006: Monitoring the evolution of the Aegean Sea thermohaline characteristics in the post-Eastern Mediterranean Transient period, Geophysical Research Abstracts, Vol.8, 06515.
21	Sofianos S., A. Theocharis and V. Vervatis, 2006: Profiling Float Observations in the Aegean Sea, Second Argo Science Workshop, Venice, Italy, March 13-18, 2006.
22	Skliris N., S. Sofianos, A. Mantziafou and A. Lascaratos, 2007: Ocean Forecasting in the Eastern Mediterranean, the ALERMO system, CIESM 2007 Meeting, Istanbul, Turkey.
23	Sofianos S., A. Theocharis and V. Vervatis, 2007: Changes in the Aegean Sea Thermohaline Characteristics in the Post-Eastern Mediterranean Transient Period, CIESM 2007 Meeting, Istanbul, Turkey.
24	Skliris N., A. Mantziafou, S. Sofianos, A. Lascaratos, I. Keramitsoglou, G. Vlahopoulos, N. Adaktilou and C. Cartalis, 2007: Modelling the Ecohydrodynamics of the Aegean Sea, EGU General Assembly, Vienna 15-20 April 2007.
25	Zodiatis G., R. Lardner, D. Hayes, G. Georgiou, S. Sofianos, N. Skliris, G. Kallos and A. Lascaratos, 2007: Validation of Ocean Forecasts in the Levantine Basin, Eastern Mediterranean, International Conference, Fluxes and Structures in Fluids, St. Petersburg, Russia, July 2007.
26	Sofianos S., 2007: The Mediterranean Operational Oceanography Network Forecasting System, GODAE Coastal Workshop, Liverpool, UK, October 2007.
27	Skliris N., A. Mantziafou, S. Sofianos, A. Lascaratos, I. Keramitsoglou, G. Vlahopoulos, C. Cartalis, V. Paraskevopoulou, M. Scoullou, 2008: A study of the plankton ecosystem of the Aegean Sea using Seawifs data and a 3D coupled hydrodynamic/biological model, EGU General Assembly, Vienna, April 2008.
28	Zodiatis G., D. Hayes, R. Lardner, G. Georgiou, S. Sofianos, N. Skliris, A. Lascaratos, 2008: Evaluation of operational ocean forecasting in the Cyprus subregion, EGU General Assembly, Vienna, April 2008.
29	Sofianos, S., 2008: Evolution of the Aegean Sea thermohaline structure in the post-Eastern Mediterranean Transient period, 3 rd ESF MedCLIVAR Workshop Rhodes, September 2008 (INVITED).
30	Zodiatis G., S. Sofianos, N. Skliris, A. Mantziafou, A. Lascaratos, R. Lardner, D. Hayes, G. Gerogiou G., 2009: Evaluating nesting procedures in ocean operational forecasting in the Eastern Mediterranean, Fluxes and Fluid structure conference, Moscow, Lomonosov University, June 2009.
31	Skliris N., A. Mantziafou, S. Sofianos, A. Gkanasos, V. Vervatis, 2009: Variability of sea surface temperature and chlorophyll in the Aegean Sea from

	satellite measurements, EGU General Assembly, Vol. 11, EGU2009-487.
32	Vervatis V., S. Sofianos, and A. Theocharis, 2009: Water mass distribution and formation processes in the Aegean Sea, EGU General Assembly, Vol. 11, EGU2009-4794.
33	Tzali, M., Sofianos, S., Kallos, G., Mantziafou, A., Zafeirakou, A., Dermisis, V., Koutitas, Ch., Zervakis, V., 2009: Oil spill dispersion forecasting system for the region of installation of the burgas alexandroulopi pipeline outlet (N.E. Aegean) in the framework of "DIAVLOS" project, AIP Con. Proc., DOI:10.1063/1.3322304.
34	Axaopoulos, P. and S. Sofianos, 2009: Long term variability of sea surface temperature in Mediterranean Sea, AIP Con. Proc., DOI: 10.1063/1.3322579.
35	Sofianos S., 2009: Extreme event impact on 3-D thermohaline structure variability in the Aegean-Levantine region, 3rd HyMeX Workshop, 1-4 June 2009, Heraklion, 2009 (INVITED).
36	Zafeirakou-Koulouris, A., C. Koutitas, S. Sofianos, A. Mantziafou, M. Tzali, V. Dermisis and S. Dermisi, 2009, Modeling the evolution and fate of an oil slick with a 3-D simulation model, 3 rd International Conference on Experiment, Process, System Modeling, Simulation and Optimization, Athens 8-11 July 2009.
37	Sofianos S., 2010: Monitoring and modelling the dynamics of the Aegean-Levantine basins, 4th HyMeX Workshop, 8-10 June 2010, Bologna, Italy, 2010.
38	Skliris N., A. Mantziafou, S. Sofianos, A. Gkanasos, P. Aksaopoulos, and V. Vervatis, 2010: Satellite-derived long-term variability of sea surface temperature in the Mediterranean Sea, Geophysical Research Abstracts Vol. 12, EGU2010-6448.
39	Sofianos S., N. Skliris, A. Mantziafou and M. Tzali, 2010: Ocean forecasting in the Aegean-Levantine region, Eos Trans. AGU, 91(26), Ocean Sci. Meet. Suppl., 2010.
40	Skliris N., A. Mantziafou, S. Sofianos, A. Gkanasos and A. Lascaratos, 2010: Sea surface temperature and chlorophyll non-seasonal variability in the Aegean sea by means of EOF analysis of satellite data, 39 th CIESM Congress, Venice, Italy, 2010.
41	Zodiatis, G., Hayes, D., Lardner, R., Georgiou, G., Kallos, G., Sofianos, S. Pinardi N. and Panayidou, X., 2010: Marine core and downstream oceanographic services in the Eastern Mediterranean Levantine Basin and their success in assisting the EU response agencies. In <i>Proceedings of the 5th EuroGOOS Conference, Coastal to Global Operational Oceanography: Achievements and Challenges, publication</i> (No. 28, pp. 465-472).
42	Kallos G., G. Galanis, C. Mitsakou, P. Athanasiadis, C. Spyrou, S. Sofianos, and C. Kalogeri, 2011: Energy resource mapping at the framework of MARINA PLATFORM project, Geophysical Research Abstracts Vol. 13, EGU2011-11950.

43	Sofianos S., N. Skliris, A. Mantziafou, A. Lascaratos and M. Tzali, 2011: Advances in forecasting the Aegean-Levantine circulation, 2 nd Scientific Conference and Annual General Assembly of the European Federation of Marine Science and Technology Societies, Athens, Greece, July 2011.
44	Vassilios Vervatis, Sarantis Sofianos, and Nikolaos Skliris, 2011: Dynamical features of the Aegean-Levantine Seas: Interannual simulations for the years 1960-2000, 2 nd Scientific Conference and Annual General Assembly of the European Federation of Marine Science and Technology Societies, Athens, Greece, July 2011.
45	Skliris N., S. S. Sofianos, A. Ganasos, A. Mantziafou, P. Axaopoulos, V. Vervatis, 2011: Sea surface temperature variability in the Aegean Sea during 1985-2008, 2 nd Scientific Conference and Annual General Assembly of the European Federation of Marine Science and Technology Societies, Athens, Greece, July 2011.
46	Sofianos, S., and Vervatis, V., 2012: The response of the Aegean and Levantine seas to changes of the air-sea fluxes, AGU, Ocean Sci. Meeting, Salt Lake City, 2012.
47	Cradden, L. C. Kalogeri, C. Spyrou, A. Adam, C. Stathopoulos, G. Galanis, S. Sofianos, D. Ingram, G. Kallos, A. Papapostolou, P. Axaopoulos, 2012: A combined resource atlas for marine energy, 4th International Conference on Ocean Energy, 17 October, Dublin, 2012.
48	Sofianos S., Vervatis V., Skliris N., Somot S., Lascaratos A., Mantziafou A., 2012: Climate variability and water mass formation in the Eastern Mediterranean Sea, 11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens May-June 2012.
49	Özsoy, E., Sofianos, S., Gertman, I., Mantziafou, A., Aydoğ du, A., Vervatis, V., Tutsak, E., Lascaratos, A. and Latif, M. A. Deep-water variability and inter-basin interactions in the Eastern Mediterranean Sea, MedCLIVAR 2012 Conference, Madrid, September 2012.
50	Sofianos S. and W. Johns, 2013: Water-mass formation, overturning circulation and the exchange of the Red Sea with the adjacent basins, Saudi Geological Survey Conference, Red Sea: Its origin Structure and Environment, Jeddah, 2013 (INVITED)
51	Özsoy E., S. Sofianos, I. Gertman, A. Mantziafou, A. Aydogdu, S. Georgiou, E. Tutsak, A. Lascaratos, Artur Hecht, and M. A. Latif, 2013: Deep-water variability and inter-basin interactions in the Eastern Mediterranean Sea, Geophysical Research Abstracts Vol. 15, EGU2013-3990, 2013, EGU General Assembly,

	Vienna 2013.
52	Ravdas M., S. Sofianos, A. Mantziafou, and V. Vervatis, 2013: The Dynamics of the Ionian Sea and its climatic implication: Interannual simulation for the period 1960-2000, Geophysical Research Abstracts, Vol. 15, EGU2013-4909, 2013, EGU General Assembly, Vienna 2013.
53	Kallos G., G. Galanis, C. Spyrou, C. Mitsakou, S. Solomos, N. Bartsotas, C. Kalogrei, I. Athanaselis, S. Sofianos, V. Vervatis, P. Axaopoulos, A. Papapostolou, J. Al Qahtani, E. Alaa, I. Alexiou, and D. Beard, 2013: An integrated weather and sea-state forecasting system for the Arabian Peninsula (WASSF), Geophysical Research Abstracts, Vol. 15, EGU2013-10629, 2013, EGU General Assembly, Vienna 2013.
54	Hayes D., S. Dobricic, G. Zodiatis and S. Sofianos, 2013: Assimilating glider data operationally in the CYCOFOS Levantine model, Geophysical Research Abstracts, Vol. 15, EGU2013-9771, 2013, EGU General Assembly, Vienna 2013.
55	Zambianchi E., P.-M. Poulain, P. Wang, A. Kalampokis, M. Berta, M. Borghini, B. Buonocore, D. Cianelli, P. Falco, R. Gerin, I. Iermano, C. Mantovani, G. Nicolaidis, T. Ozgokmen, S. Sofianos, M. Uttieri, V. Zervakis, 2013: Surface circulation in the Gulf of Naples during the Gelato 2012 experiment, 40 th CIESM Congress, Marseilles, France.
56	Zervakis V., E. Tragou, S. Leontiou, P.-M. Poulain, R. Gerin, , S. Kioroglou, S. Sofianos, 2013: Estimation of residence times and mixing rates in the Hellenic Seas, 40 th CIESM Congress, Marseilles, France.
57	Sofianos S., V. Zervakis, M. Bekiari and E. Chrysagi, 2013: Evaluating oil-spill dispersion forecasting in the Northern Aegean Sea, GODAE – Oceanview Symposium 2013, 4-6 November 2013, Baltimore, USA.
58	Sofianos S., 2014: Climate change impact on the Mediterranean Sea, Symposium on Impact of Climate Change on Coastal Cities, 30 January 2014, Izmir (INVITED).
59	Sofianos, S., E. Özsoy, I. Gertman, V. Vervatis and M. Ravdas, 2014: The response of the Aegean and Levantine seas to changes of the air-sea fluxes, AGU, Ocean Sci. Meeting, Honolulu, Hawaii, USA 2014.
60	Sofianos, S., G. Kallos, G. Galanis, M. Bekiari, E. Chrysagi, 2014: Modeling/forecasting the ocean circulation in the Red Sea and Arabian Gulf, towards an oil spill prediction operational system, 7 th PetroEnvironment Symposium and Exhibition, February 2014, Al Khobar, Saudi Arabia
61	Mavropoulou, A. M., S. Sofianos, A. Mantziafou, and E. Jarosz, 2014: The influence of Black SeaWater inflow and its synoptic time-scale variability in the

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62	Sofianos S., V. Vervatis, A. Mantziafou and M. Ravdas, 2014: Investigating deep-water formation variability in the Aegean Sea and its influence in the adjacent basins deep circulation, MEDCLIVAR 2014 Conference, June 2014, Ankara, Turkey.
63	Sofianos S., 2014: Monitoring and modeling the Eastern Mediterranean circulation and its climatic variability, EastMed Symposium 2014, November 17-20, Limassol, Cyprus. (INVITED)
64	Sofianos S., V. P. Papadopoulos, D. Denaxa and Y. Abualnaja, 2014: Investigating the interannual variability of the circulation and water mass formation in the Red Sea, AGU Fall Meeting 2014, December 15-19, 2014, San Francisco, USA.
65	Kostopoulos V., E. Chrisagi, S. Sofianos and C. Helmis, 2015: On the influence of a regional drag coefficient parameterization scheme in the forecasting skill of an ocean model in the Aegean and Levantine Seas, Geophysical Research Abstracts, Vol. 17, EGU2015-8445, 2015, EGU General Assembly, Vienna 2015.
66	Licer M., P. Smerkol, A. Fetich, M. Ravdas, A. Papapostolou, A. Mantziafou, J. Cedinlik, B. Stajnar, M. Jeromel, N. Pristov, J. Jerman, S. Petan, V. Malacic and S. Sofianos, 2015: Ocean Dynamics Simulation during an Extreme Bora Event using a Two-Way Coupled Atmosphere-Ocean Modelin System, Geophysical Research Abstracts, Vol. 17, EGU2015-1924, 2015, EGU General Assembly, Vienna 2015.
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69	Sofianos, S., V. Papadopoulos, Y. Abualnaja, A. Nenes and I. Hoteit, 2016: Monsoon-driven variability in the southern Red Sea and the exchange with the Indian Ocean, AGU, Ocean Sci. Meeting, New Orleans, Louisiana, USA 2016.
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77	Zodiatis, G., I. Gertman, P-M. Poulain, M. Menna and S. Sofianos, 2016: Two decades of monitoring and forecasting of the circulation in the Levantine (1995-2016), 41 st CIESM Congress, Kiel Germany, 2016.
78	Chaikalis, S. , A.P. Karageorgis, S. Sofianos, P. Drakopoulos, 2016: Estimating <i>zscat</i> in ultra-oligotrophic seas: implications for LISST-Deep scattering measurements PiE – 2016, Conference, October 2016, Budapest, Hungary.

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2	Skliris N., S. Sofianos, A. Mantziafou, A., I. Keramitsoglou, N. Adaktilou, C. Cartalis and A. Lascaratos, 2006: Modeling of the plankton ecosystem of the

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3	Sofianos S., A. Theocharis and V. Vervatis, 2006: Profiling Flot Observations in the Aegean Sea, 8 th Hellenic Symposium of Oceanography and Fisheries, Thessaloniki, June 2006.
4	N. Skliris, S. Sofianos, A. Mantziafou, V. Vervatis and A. Lascaratos, 2006: Ocean Forecasting in the Eastern Mediterranean with the MFS-ALERMO System, 8 th Hellenic Symposium of Oceanography and Fisheries, Thessaloniki, June 2006.
5	N. Aspiotis, S. Sofianos, N. Skliris and A. Lascaratos, 2006: Wind and Wave Correlations in the Greek Seas, 8 th Hellenic Symposium of Oceanography and Fisheries, Thessaloniki, June 2006.
6	Vervatis V., Sofianos S., Theocharis A., 2010: Water mass structure and its evolution in the Aegean and Levantine basins from direct observations, 9 th Hellenic Symposium of Oceanography and Fisheries, Patras, May 2010.
7	Gkanasos A., Skliris N., Mantziafou A., Sofianos S., 2010: Satellite derived seasonal variability of sea surface temperature and chlorophyll in the Aegean sea, 9 th Hellenic Symposium of Oceanography and Fisheries, Patras, May 2010.
8	Kontoyiannis H., Zervakis V., Sofianos S., Theocharis A., Georgopoulos D., 2010: An example of flow behavior over topography in the southern Cyclades Plateau, 9 th Hellenic Symposium of Oceanography and Fisheries, Patras, May 2010.
9	Tzali M., Sofianos S., Mantziafou A., Vervatis V., 2010: Impact of the Black Sea Water on the circulation of the North Aegean Sea, 9 th Hellenic Symposium of Oceanography and Fisheries, Patras, May 2010.
10	Sofianos S., G. Kallos, A. Mantziafou, M. Tzali, A. Zafeirakou, A. dermisis, V. Koutitas, V. Zervakis, 2010: Operational system for forecasting the dispersion of oil spills in the area of the Burgas - Aleksandroupolis (NE Aegean) oil pipe terminal in the framework of DIAVLOS Project, 9 th Hellenic Symposium of Oceanography and Fisheries, Patras, May 2010.
11	Βαρώτσου Ε., Σ. Σοφιανός, Α. Μαντζιαφού, 2012: ΜΕΛΕΤΗ ΤΩΝ ΔΙΑΚΥΜΑΝΣΕΩΝ ΔΥΝΑΜΙΚΩΝ ΧΑΡΑΚΤΗΡΙΣΤΙΚΩΝ ΤΗΣ ΠΕΡΙΟΧΗΣ ΑΙΓΑΙΟΥ – ΛΕΒΑΝΤΙΝΗΣ, 10th Panhellenic Symposium of Oceanography & Fisheries, Athens, May 2012.
12	Spyropoulou A., S. Sofianos, G. Tsirtsis, 2015: Application of a 3D hydrodynamic model in a coastal lagoon in the Aegean Sea, Eastern

	Mediterranean: seasonal variability of the along axis characteristics, 11th Panhellenic Symposium of Oceanography & Fisheries, Mytilene, Lesvos, May 2015.
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Reviewer for International Journals
Journal of Physical Oceanography
Journal of Geophysical Research
Deep Sea Research
Geophysical Research Letters
Ocean Science
Dynamics of Atmospheres and Oceans
Journal of Marine Systems
Computational Fluid Dynamics
Desalination and Water Treatment
Mediterranean Marine Science
Natural Hazards and Earth System Sciences
Journal of Marine Research
International Journal of Computational Fluid Dynamics
Oceanologia
Journal of Climate
Environmental Research Letters
Climate Dynamics

Member of Editorial Boards
Mediterranean Marine Science 2016 - today

Collaboration with Universities/Institutes in Publications

- | | |
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| <ol style="list-style-type: none"> 1. University of Miami, USA 2. Louisiana State University, USA 3. Hellenic Center for Marine Research, Greece 4. University of Southampton, UK 5. University of Cyprus, Cyprus 6. University of Thessaloniki, Greece 7. Meteo France, France 8. NATO Undersea Research Center 9. Middle East Technical University, Turkey 10. Israel Oceanographic and Limnological Research, Israel 11. Massachusetts Institute of Technology, USA 12. ENEA, Italy 13. Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy 14. Bar Ilan University, Israel 15. CSIC, Barcelona, Spain 16. Stazione Zoologica Anton Dohrn, Italy 17. University of Bremen, Germany 18. Istituto di Scienze Marine, Italy 19. GEOMAR Helmholtz Center for Ocean Research, Germany 20. Instituto Espanol de Oceanografia, Spain 21. Ben-Gurion University of the Negev, Israel 22. Laboratoire d'Océanographie de Villefranche, France 23. University of Malaga, Spain 24. Universite de Liege, Belgium 25. University of Hamburg, Germany 26. Universita di Palermo, Italy 27. University of Zagreb, Croatia 28. Instituto Mediterraneo de Estudio Avanzados, Spain 29. Universita Ca' Forscari di Venezia, Italy | <ol style="list-style-type: none"> 30. CNR IAMC, Italy 31. Institut de Recherche pour le Développement, France 32. Met Office, UK 33. Australian Bureau of Meteorology, Australia 34. Fisheries and Oceans, Canada 35. Mercator Ocean, France 36. Japan Meteorological Agency, Japan 37. Puertos del Estado, Spain 38. Navy Research Laboratory, USA 39. University of Technology, Estonia 40. National Oceanic and Atmospheric Administration, USA 41. Portland State University, USA 42. Environment Canada, Canada 43. Istituto di Scienze dell'Atmosfera e del Clima, Italy 44. State University of New Jersey, USA 45. King Abdulah University of Science and Technology, Saudi Arabia 46. Plymouth Marine Laboratory, UK 47. Woods Hole Oceanographic Institution, USA 48. King Fahd University of Petroleum and Minerals, Saudi Arabia 49. National Institute of Biology, Slovenia 50. Slovenian Environmental Agency, Slovenia 51. University of Malta, Malta 52. IFREMER, France 53. University of Bologna, Italy 54. Centro Euro-Mediterraneosui Cambiamenti Climatici, Italy 55. CNR-ISAC, Italy 56. REMPEC, Malta 57. Georgia Institute of Thechnology, USA 58. Cedre, France 59. Technological Educational Instute of Athens, Greece |
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A.2 Projects

Participation in Research Projects as a Researcher	
1	<p>Hydrodynamics and geochemical fluxes in the Strait of Otranto (OTRANTO) (MAS2-CT93-0068)</p> <p>Funding: E.U.</p> <p>Project coordinator: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste (Italy)</p> <p>Partner: University of Athens</p> <p>Duration: 1993 – 1996</p> <p>Position: Rsearcher</p>
2	<p>Hydrodynamics and biochemical processes in the straits of the Cretan Arc (PELAGOS) (MAS2-CT93-0059)</p> <p>Funding: E.U.</p> <p>Project coordinator: Hellenic Center for Marine Research</p> <p>Partner: University of Athens</p> <p>Duration: 1993 – 1996</p> <p>Position: Rsearcher</p>
3	<p>Mediterranean Eddy Resolving Modeling and Interdisciplinary Studies (MERMAIDS) (MAS2-CT93-0055)</p> <p>Funding: E.U.</p> <p>Project coordinator: Istituto Nazionale di Geofosica e Volculanologia (Italy)</p> <p>Project coordinator: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste (Italy)</p> <p>Duration: 1993 – 1996</p> <p>Position: Rsearcher</p>
4	<p>Dynamics of Boundary Currents and Marginal Seas (N00014-95-1-0025)</p> <p>Funding: Office of Naval Research, USA</p> <p>Project coordinator: University of Miami</p> <p>Parner: University of Miami</p> <p>Duration: 1995 - 2000</p> <p>Position: Research Assistant</p>

5	<p>Σύστημα πρόγνωσης καιρού υψηλής ευκρίνειας για ναυτιλιακές και άλλες εφαρμογές (NHPEΑΣ)</p> <p>Funding: Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΕΠΕΤ II)</p> <p>Project Coordinator: University of Athens</p> <p>Partner: University of Athens</p> <p>Duration: 1999 – 2001</p> <p>Position: Researcher</p>
6	<p>Σύστημα παρακολούθησης, πρόγνωσης και πληροφόρησης για την κατάσταση των Ελληνικών θαλασσών (ΠΟΣΕΙΔΩΝ)</p> <p>Funding: Χρηματοδοτικός Μηχανισμός του Ευρωπαϊκού Οικονομικού Χώρου (ΕΦΤΑ) – Υπουργείο Εθνικής Οικονομίας.</p> <p>Project Coordinator: University of Athens</p> <p>Partner: University of Athens</p> <p>Duration: 1997 – 2001</p> <p>Position: Researcher</p>
7	<p>Mediterranean Forecasting System Pilot Project (MFSP) (MAS3-PL97-1608)</p> <p>Funding: E.U. – FP5</p> <p>Project coordinator: Istituto Nazionale di Geofisica e Volcanologia (Italy)</p> <p>Partner: University of Athens</p> <p>Duration: 1998 – 2001</p> <p>Position: Researcher</p>
8	<p>Atmospheric Deposition and Impact of pollutants, key elements and nutrients on the Open Mediterranean Sea (ADIOS) (EVK3-CT-2000-0035)</p> <p>Funding: E.U. – FP5</p> <p>Project coordinator: Centre de Formation et de Recherche sur l'Environnement Marin, Perpignan (France)</p> <p>Partner: University of Athens</p> <p>Duration: 2001 – 2003</p> <p>Position: Researcher</p>
9	<p>Development and Application of Validated Geophysical Ocean Wave Products from ENVISAT ASAR and RA-2 Instruments (EnviWave) (EVG2-2001-00017)</p> <p>Funding: E.U. – FP5</p> <p>Project coordinator: NORUT Northern Research Institute (Norway)</p> <p>Partner: University of Athens</p> <p>Duration: 2002 – 2005</p>

	Position: Researcher
10	<p>Mediterranean Forecasting System Toward Environmental Prediction (MFSTEP) (EVK3-CT-2003-00075)</p> <p>Funding: E.U. – FP5</p> <p>Project coordinator: Istituto Nazionale di Geofisica e Volcunologia (Italy)</p> <p>Partner: University of Athens</p> <p>Duration: 2003 – 2006</p> <p>Position: Researcher and Work-package leader (WP9: Regional/Shelf models)</p>
11	<p>Εφαρμογή αριθμητικών μοντέλων για διερεύνηση πιθανότητας εμφάνισης ευτροφικών φαινομένων σε παράκτιες περιοχές επηρεαζόμενες από ποτάμια - ΠΥΘΑΓΟΡΑΣ ΙΙ (70/3/8016)</p> <p>Funding: Υπουργείο Παιδείας</p> <p>Project coordinator: University of Athens</p> <p>Συνεργασία με Ερευνητική Ομάδα Χημικής Ωκεανογραφίας του Τμήματος Χημείας</p> <p>Duration: 2005 – 2007</p> <p>Position: Researcher</p>
12	<p>Καταγραφή παραγωγικότητας Ελληνικών θαλασσών και ανάπτυξη διαχειριστικού εργαλείου για την πρόληψη και αντιμετώπιση περιστατικών ευτροφισμού - ΠΥΘΑΓΟΡΑΣ ΙΙ (70/3/8045)</p> <p>Funding: Υπουργείο Παιδείας</p> <p>Project coordinator: University of Athens</p> <p>Συνεργασία με Ερευνητική Ομάδα Τηλεπισκόπησης του Τομέα Φυσικής Περιβάλλοντος και Μετεωρολογίας</p> <p>Duration: 2005 – 2007</p> <p>Position: Researcher</p>
13	<p>Climate Change and Impact Research: the Mediterranean Environment – CIRCE (Integrated Project 036961)</p> <p>Funding: E.U. – FP6</p> <p>Project coordinator: Istituto Nazionale di Geofisica e Volcunologia (Italy)</p> <p>Partner: University of Athens</p> <p>Duration: 2007 – 2010</p> <p>Position: Researcher and coordinator of physical oceanography group</p>

14	<p>MARINA Platform: Evaluation of multi-purpose platforms for Marine Renewable Energy (241402)</p> <p>Funding: E.U. – FP7</p> <p>Project coordinator: ACCIONA ENERGIA S.A. (Spain)</p> <p>Partner: University of Athens</p> <p>Duration: 2010 – 2013</p> <p>Position: Researcher and coordinator of physical oceanography group</p>
15	<p>A weather, dust, wave, sea currents and tidal forecasting system for the Arabian Peninsula, Red Sea and Gulf Region (WASSF)</p> <p>Funding: ARAMCO, SA</p> <p>Project coordinator: University of Athens</p> <p>Partner: University of Athens</p> <p>Duration: 2010 – Today</p> <p>Position: Coordinator of physical oceanography group</p>
16	<p>EMODNET MedSea Checkpoint</p> <p>Funding: E.U.</p> <p>Project Coordinator: Istituto Nazionale di Geofisica e Vulcanologia (Italy)</p> <p>Partner: University of Athens</p> <p>Duration: 2015 – 2017</p> <p>Position: Coordinator of physical oceanography group</p>

Participation in Research Projects as a Principal Investigator

1	<p>Aegean Sea Workshop (N00014-02-1-1089)</p> <p>Funding: Office of Naval Research, USA</p> <p>Project coordinator: Institute of Accelerating Systems and Applications (University of Athens)</p> <p>Partner: IASA</p> <p>Duration: 2002 – 2003</p> <p>Position: Principal Investigator</p>
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2	<p>Profiling Float Observation in the Aegean Sea (N00014-04-1-0524)</p> <p>Funding: Office of Naval Research, USA</p> <p>Project coordinator: Institute of Accelerating Systems and Applications (University of Athens)</p> <p>Partner: IASA</p> <p>Duration: 2004 – 2007</p> <p>Position: Principal Investigator</p>
3	<p>International Action for the Sustainability of the Mediterranean and the Black Sea Environment – IASON (SSA No. 515234)</p> <p>Funding: E.U. – FP6</p> <p>Project coordinator: Hellenic Center for Marine Research</p> <p>Partner: IASA – University of Athens</p> <p>Duration: 2005 – 2006</p> <p>Position: Principal Investigator</p>
4	<p>Ανάπτυξη και εφαρμογή εργαλείων διαχείρισης κρίσεων ρύπανσης από πετρελαιοκηλίδες στη περιοχή εγκατάστασης του αγωγού Burgas – Αλεξανδρούπολης (Βορειοανατολικό Αιγαίο) – ΔΙΑΥΛΟΣ (ΑΜΘ 16)</p> <p>Funding: Γενική Γραμματεία Έρευνας και Τεχνολογίας, Επιχειρησιακό Πρόγραμμα Ανατολικής Μακεδονίας – Θράκης</p> <p>Project coordinator: MARAC Electronics</p> <p>Partner: IASA – University of Athens</p> <p>Duration: 2006 – 2008</p> <p>Position: Principal Investigator</p>
5	<p>European COastal-shelf sea OPerational observing and forecasting system – ECOOP (Integrated Project 036355)</p> <p>Funding: E.U. – FP6</p> <p>Project coordinator: Danmarks Meteorologiske Institut (Denmark)</p> <p>Partner: IASA – University of Athens</p> <p>Duration: 2007 – 2010</p> <p>Position: Principal Investigator</p>

6	<p>MyOcean (CA 18122008) Funding: E.U. – FP7 Project coordinator: Mercator (France) Partner: IASA – University of Athens Duration: 2009 – 2012 Position: Principal Investigator</p>
7	<p>Development of the Integrated Parallel Cyprus Coastal Ocean Forecasting System Funding: Ίδρυμα Προώθησης Έρευνας (Κύπρος – FP7) Project coordinator: University of Cyprus Partner: IASA – University of Athens Duration: 2009 – 2012 Position: Principal Investigator</p>
8	<p>Tracking Oil Spills and Coastal Awareness Network (TOSCA) (MED 2340) Funding: E.U. - MED Project coordinator: PACA Sea Innovation & Business Cluster - Toulon Var Technologies (France) Partner: IASA – University of Athens Duration: 2010 – 2013 Position: Principal Investigator</p>
9	<p>MyOcean II - Integration of pan-European capacity for Ocean Monitoring and Forecasting (GMES Programme) (283367) Funding: E.U. – FP7 Project coordinator: Mercator (France) Partner: University of Athens Duration: 2012 – 2014 Position: Principal Investigator</p>
10	<p>ARSOCEANS - Operational system for the sea modeling (2334-12-700001) Funding: Republic of Slovenia – EU Cohesion Funds Project coordinator: BRON Slovenia Partner: University of Athens Duration: 2012 – 2014 Position: Principal Investigator</p>

11	<p>Mediterranean Decision Support System for Marine Safety (MED 3653)</p> <p>Funding: E.U. - MED</p> <p>Project coordinator: Department of Merchant Shipping (Cyprus)</p> <p>Partner: IASA – University of Athens</p> <p>Duration: 2012 – 2015</p> <p>Position: Principal Investigator</p>
12	<p>MyOcean Follow On (633085)</p> <p>Funding: E.U. – H2020</p> <p>Project coordinator: Mercator (France)</p> <p>Partner: IASA – University of Athens</p> <p>Duration: 2014 – 2015</p> <p>Position: Principal Investigator</p>
13	<p>SCRUM: Stochastic coastal/regional uncertainty modelling: sensitivity, consistency and potential contribution to CMEMS ensemble data assimilation</p> <p>Funding: Copernicus – CMEMS</p> <p>Project Coordinator: S. Sofianos, University of Athens (Greece)</p> <p>Partner: University of Athens</p> <p>Duration: 2016-2018</p> <p>Position: Principal Investigator</p>

Evaluator for Research Proposals

EU 6th Framework Project evaluation activities.

EU 7th Framework Project evaluation activities.

National Science Foundation, USA

Israeli Science Foundation, Israel

Collaboration with Universities/Institutes in Research Projects

- | | |
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| 1. Hellenic Center for Marine Research, Greece | 45. Collecte Localisation Satellites, France |
| 2. University of Thessaloniki, Greece | 46. University of Cyprus, Cyprus |
| 3. University of Aegean, Greece | 47. Istituto Nazionale di Geofisica e Vulcanologia, Italy |
| 4. University of Miami, USA | 48. Parthenope University of Napoli, Italy |
| 5. Louisiana State University, USA | 49. Consiglio Nazionale delle Ricerche, |
| 6. University of Washington, USA | |

7. University of Rhode Island, USA	Italy
8. Australian Defence Force Academy, Australia	50. Consorzio Nazionale Interuniversitario per le Scienze del Mare, Italy
9. University of Aberdeen, UK	51. LUISS University, Italy
10. University of Plymouth, UK	52. Fondazione Eni Enrico Mattei, Italy
11. Plymouth Marine Laboratory, UK	53. Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy
12. University of Reading, UK	54. University of Bologna, Italy
13. University of Southampton, UK	55. ENEA, Italy
14. University of Edinburg, UK	56. Consejo Superior de Investigaciones Cientificas, Spain
15. UK Met Office, UK	57. Puertos del Estado, Spain
16. British Antarctic Survey, UK	58. Instituto Mediterráneo de Estudios Avanzados, Spain
17. University of Stuttgart, Germany	59. Universitat Politecnica de Catalunya, Spain
18. University of Kiel, Germany	60. Lisbon Technical University, Portugal
19. Senckenbergische Naturforschende Gesellschaft, Germany	61. University of Algarve, Portugal
20. Institute for Coastal Research, Germany	62. EDISOFT, Portugal
21. Swedish Meteorological and Hydrological Institute, Sweden	63. University of Balearic Islands, Spain
22. University of Bern, Switzerland	60. Slovenian Environmental Agency, Slovenia
23. Université de Liège, Belgium	64. National Institute of Biology, Slovenia
24. Royal Netherlands Meteorological Institute, Netherlands	65. Israel Oceanographic & Limnological Research, Israel
25. Stichting Nederlands Instituut voor Onderzoek der Zee, Netherlands	66. Bar Ilan University, Israel
26. Delft University of Technology, Netherlands	67. Middle East Technical University, Turkey
27. Danish Meteorological Institute, Denmark	68. Institute of Fisheries and Aquaculture, Bulgaria
28. National Environmental Research Institute, Denmark	69. Bulgarian Academy of Sciences, Bulgaria
29. University of Aarhus, Denmark	70. Romanian Centre for Marine Geology and Geoecology, Romania
30. University of Southern Denmark, Denmark	71. National Institute for Marine Research and Development “Grigore Antipa”, Romania
31. Danish National Space Center, Denmark	72. Marine Institute in Gdansk, Poland
32. Norwegian Institute of Water Research, Norway	73. University of Latvia, Latvia
33. Meteorologisk Institutt, Norway	74. Russian Academy of Sciences, Russia
34. Universitetet I Bergen, Norway	75. UNEP, Greece
35. University of Tromso, Norway	76. United Nations Environment Programme/Mediterranean Action Plan, Greece
36. Finnish Institute of Marine Research, Finland	77. Murmansk Marine Biological Institute, Russia
37. Czech Hydrometeorological Institute, Czech Republic	78. Ukrainian National Academy of Sciences, Ukraine
38. Mercator Ocean, France	
39. Université Pierre et Marie Curie, France	
40. Toulon University, France	
41. Centre National de la Recherche	

Scientifique, France 42. Institut Francais de Recherche pour l'Exploitation de la Mer, France 43. Meteo-France, France 44. Universite Paul Sabatier, France	79. Marine Hydrophysical Institute, Ukraine 80. University of Malta, Malta 81. European Centre For Medium-Range Weather Forecasts, EU 82. Joint Research Center, EU 83. LEGOS/CNRS, France
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A3. Field experience

Participation in oceanographic cruises	
1	November 1994: Participation in an oceanographic cruise at the Otranto Strait in the framework of the <i>OTRANTO</i> project (R/V AEGAEO).
2	January 1995: Participation in an oceanographic cruise in the Cretan Sea in the framework of the <i>PELAGOS</i> project (R/V AEGAEO).
3	February 1995: Participation in an oceanographic cruise at the Otranto Strait in the framework of the <i>OTRANTO</i> project (R/V AEGAEO).
4	February 2000 – March 2000: Participation in a cruise in the equatorial Atlantic in the framework of the <i>North Brazil Current Rings Experiment (NBC)</i> project (R/V SEWARD JOHNSON).
5	August 2001: Coordination and participation, as chief scientist, in an oceanographic cruise in the Red Sea in the framework of the <i>Boundary Currents and Marginal Seas and Red Sea Outflow Experiment (REDSOX)</i> projects (R/V MURICE EWING).
6	November 2004: Participation in an oceanographic cruise, as national observer, in the southern Aegean in the framework of the <i>Internal Wave Mixing Experiment in the Aegean Sea</i> project (R/V Oceanus).
7	March 2005: Coordination and participation, as chief scientist, in an oceanographic cruise in the Aegean Sea in the framework of the <i>Profiling Floats Observations in the Aegean Sea</i> project (R/V AEGAEO).
8	February 2006: Coordination and participation, as chief scientist, in an oceanographic cruise in the Aegean Sea in the framework of the <i>Profiling Floats Observations in the Aegean Sea</i> project (R/V AEGAEO).

B. EDUCATIONAL ACTIVITY

B1. Course instructor

Undergraduate Courses		
1	Physical Oceanography	Undergraduate course, Department of Physics, University of Athens
2	Fluid Dynamics	Undergraduate Course, Department of Physics, University of Athens
Graduate Courses		
3	Introduction to Physical Oceanography	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
4	Dynamical Physical Oceanography	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
5	Waves and Tides	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
6	Air-Sea Interactions	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
7	Numerical Modeling in Physical Oceanography	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
8	Operational Oceanography	Graduate course, Graduate Program in Oceanography and Marine Management, University of Athens
9	Dynamics of Atmospheres and Oceans	Graduate course, Graduate Program in Marine Technology and Science, National Technical University of Athens
10	Data Analysis Methods	Graduate course, Graduate Program in Environmental Physics, University of Athens
11	Physical Oceanography	Graduate course, Graduate Program in Environmental Physics, University of Athens
12	Geophysical Fluid Dynamics	Graduate course, Graduate Program in Environmental Physics, University of Athens

13	Air-Sea-Land Interactions	Graduate course, Graduate Program in Environmental Physics, University of Athens
14	Numerical Modeling in Physical Oceanography	Graduate course, Graduate Program in Informatics, University of Athens

B2. Graduate Student Supervision

Participation in PhD committees				
	TITLE	NAME	Year of Graduation	University
1	Recent sedimentation processes in the inner continental shelf of Alexandroupolis gulf (NE Aegean Sea)	Katerina Karditsa	2010	University of Athens
2	New methods of analysis and forecast of oceanic waves	Georgios Emanouil	2011	University of Athens
3	The dynamics of the Aegean-Levantine Seas and their climatic implications; hydrographic observations and numerical simulations (Co-Advisor)	Vassilios Vervatis	2012	University of Athens
4	Sea level climate variability in the Mediterranean Sea	Antonio Bonaduce	2012	University of Bologna, Italy
5	Distributed hydrological model of semi-irregular land triangulation of small catchment basins	Konstantina Mitta	2013	University of Athens
6	3-D Circulation, Impact of the Terrestrial Loading and Atmospheric Conditions on Seasonal and Climatic Time Scales in Eastern Mediterranean gulfs: A case study in Kalloni Gulf, Lesvos island, Greece	Alexandra-Eleni Spyropoulou	2015	University of Aegean
7	Parameterization of the coefficients for momentum, heat	Vassilios	2015	University of

	and humidity fluxes within the Surface Marine Atmospheric Boundary Layer and implementation in an atmospheric and oceanographic model	Kostopoulos		Athens
8	Assessment of the water fluxes from the Black Sea to the Mediterranean using a coastal HF Radar	Zoi Kokkini	2015	University of Aegean
9	Study of the long term variability of the hydrological characteristics of the Mediterranean Sea and its basins	Athanasia Iona	2016	University of Thessaly
10	Modeling the lower atmosphere and the sea surface condition for energy production applications	Christina Kalogeri	2017	University of Athens
11	Estimation of energy production from large scale wind farms	Christos-Marios Stathopoulos	2017	University of Athens
12	The impact of climate variability and natural/anthropogenic depositions on the oxygen distribution of the Mediterranean Sea (Advisor)	Apostolia-Maria Mavropoulou	2018	University of Athens
13	Climate variability in the Mediterranean Sea and its impact on the regional ecosystem	Athanasios Gkanasos	2018	University of Athens
14	The dynamics of water mass formation in the northern Red Sea (tentative)	George Krokos	2018	King Abdulah University of Science and Technology, Saudi Arabia
15	Estimation of extreme values of environmental variables and quantification of the uncertainty	Platon Patlakas	2018	University of Athens
16	Investigation of climate change in the Mediterranean Sea and its impact on ecosystem dynamics	Athanasios Gkanasos	2019	University of Athens

	(Advisor)			
17	On the complexity of upper ocean mesoscale dynamics	Juan Manuel Sayol Espana	2016	Universitat de les Illes Balears, Spain
18	Advanced modeling and data assimilation methods for the design of sustained marine monitoring networks	Ali Aydogdu	2016	University of Venice, Italy
19	Advanced modeling and data assimilation methods for the design of sustained marine monitoring network in the Arabian marginal Seas and Gulfs (Advisor)	Marios Kailas	2019	University of Athens

Participation in MSc committees		
1	Christos Lelis (advisor - completed)	Graduate Program in Oceanography and Marine Management, University of Athens
2	Dimitra Giouroukou (advisor - completed)	Graduate Program in Oceanography and Marine Management, University of Athens
3	Athanasios Gkanasos (advisor – completed)	Graduate Program in Oceanography and Marine Management, University of Athens
4	Margarita Tzali (advisor – completed)	Graduate Program in Oceanography and Marine Management, University of Athens
5	Eirini Varotsou (advisor – completed)	Graduate Program in Environmental Physics, University of Athens
6	Athanasia Papapostolou (completed)	Graduate Program in Environmental Physics, University of Athens
7	Evridiki Chrysagi (advisor -completed)	Graduate Program in Oceanography and Marine Management, University of Athens

8	Elisavet Galanaki (advisor -completed)	Graduate Program in Environmental Physics, University of Athens
9	Apostolia-Maria Mavropoulou (advisor - completed)	Graduate Program in Environmental Physics, University of Athens
10	Dimitra Denaxa (advisor – completed)	Graduate Program in Oceanography and Marine Management, University of Athens
11	Michael Ravdas (advisor – completed)	Graduate Program in Oceanography and Marine Management, University of Athens
12	Margarita Bekiari (advisor – completed)	Graduate Program in Oceanography and Marine Management, University of Athens
13	George Priftis (completed)	Graduate Program in Environmental Physics, University of Athens
14	Charalampos Karvelis (completed)	Graduate Program in Environmental Physics, University of Athens
15	Alexandros Dimitrakopoulos (advisor - completed)	Graduate Program in Oceanography and Marine Management, University of Athens
16	Aikaterini Panteli (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
17	Konstantinos Vassalos (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
18	Spyridon Chaikalis (advisor - completed)	Graduate Program in Oceanography and Marine Management, University of Athens
19	Vassilios Pefanis (advisor - completed)	Graduate Program in Oceanography and Marine Management, University of Athens
20	Dimitra Papageorgiou (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
21	Eleni Dimou (advisor)	Graduate Program in Oceanography and Marine Management,

		University of Athens
22	Evropi-Syliani Bolonaki (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
23	Dafni Poliou (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
24	Konstantinos Georgakas (advisor – completed)	Nautical and Marine Technology and Science, National Technical University of Athens
25	Efthymios Koukakis (completed)	Nautical and Marine Technology and Science, National Technical University of Athens
26	Alexios Theofilopoulos (advisor)	Graduate Program in Environmental Physics, University of Athens
26	Panagiotis Vassou (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
27	Evaggelia Efstathiou (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
28	Melpomeni Maria Polydora (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
29	Leo Herold (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens
30	Athanasios Evgenikos (advisor)	Graduate Program in Oceanography and Marine Management, University of Athens

B3. Course Notes

“Introduction to Numerical Modeling in Physical Oceanography”, pp 60

Course notes for the courses “Physical Oceanography” and “Fluid Dynamics” at e-class university page.

Course notes for the Graduate Program in Oceanography and Marine Management,

University of Athens and Graduate Program in Environmental Physics, University of Athens, at <http://www.oc.phys.uoa.gr/teaching.html>

Participation in the translation team of the book: Wetsel, R. G. Ελληνική Έκδοση (2006). Λιμνολογία: Λιμναία και ποτάμια οικοσυστήματα. Εκδόσεις Κωσταράκη. Αθήνα

C. OTHER ACTIVITIES

C.1 Administrative bodies

Member of the University of Athens Senate: 2011-2012
Member of the Department of Physics Assembly 2010-2011, 2013-2014, 2016-2017
Member of the Interdepartmental Committee of the Graduate Program in Oceanography and Marine Management: 2009-today
Member of the Interdepartmental Committee of the Graduate Program in Nautical and Marine Technology and Science, National Technical University of Athens: 2015-today
Member of the Student Selection Committee of the Graduate Program in Environmental Physics: 2009-today
Member of the Student Selection Committee of the Graduate Program in Oceanography and Marine Management: 2009-today

C.2 International and national bodies

Member of the Science Steering Committee and Operational Advisory Group of the Mediterranean Operational Oceanography Network (MOON), the EuroGOOS Task Team for the Mediterranean Sea: 2005 - 2012
Member of the General assembly of the Mediterranean Operational Network for the Global Ocean Observing System (MONGOOS): 2012-today
Member of the Board of the Greek Oceanographic Union: 2010 - 2012
Associate representative of Greece at the European Federation of Marine Science and Technology Societies (EFMS): 2010 - 2012

C3. Member of Unions

American Geophysical Union (AGU)
European Geophysical Union (EGU)
CIESM (Commission Internationale pour l'Exploration Scientifique de la mer Méditerranée)

C4. Honors

1995 - 1996 Rosenstiel Fellow, University of Miami, USA
