



Sarantis Sofianos Curriculum Vitae



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Professional history:

2020 – today Associate Professor, Department of Physics, National and Kapodistrian University of Athens, Greece

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2015 – 2020 Assistant Professor, Department of Physics, National and Kapodistrian University of Athens, Greece

2009 – 2015 Lecturer, Department of Physics, National and Kapodistrian University of Athens, Greece

1995 - 2000 Research Assistant, University of Miami, USA

1994 – 1995 Research Assistant, Department of Physics, National and Kapodistrian University of Athens, Greece

Education:

BSc in Physics, Department of Physics, National and Kapodistrian University of Athens, Greece

PhD in Meteorology and Physical Oceanography, **University of Miami**, USA. Title: ***"Circulation and Water Mass Formation in the Red Sea, and the Exchange with the Indian Ocean"***. Supervisor: Professor W. E. Johns.

**Research
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.
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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.
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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	Skliris, 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. Skliris, 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	Skliris, 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	Skliris, 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. Ravaoli, 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.
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20	Vervatis V. D., S. S. Sofianos, N. Skliris, 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	Qahtani, J.A., Alaa, E., Kallos, G., Galanis, G., Sofianos, S., Mitsakou, C., Spyrou, C., Kalogeri, C., Bartsotas, N., Athanaselis, J., Vervatis, V., Solomos, S., Axaopoulos, P., Beard, D.W., Alexiou, I., 2014: An integrated weather and sea state forecasting system for the Arabian Peninsula (WASSF), <i>Springer Proceedings in Complexity</i> , pp. 173-177.

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23	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.
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41	Xie, J., G. Krokos, S. Sofianos and I. Hoteit, 2019, Interannual Variability of the Exchange Flow Through the Strait of Bab-al-Mandeb, <i>J. Geophys. Res.: Oceans</i> , 124. https://doi.org/10.1029/2018JC014478
42	Gkanasos, A., S. Somarakis, K. Tsiaras, D. Kleftogiannis, M. Giannoulaki, E. Schismenou, S. Sofianos, G. Triantafyllou, 2019: Development, application and evaluation of a 1-D full life cycle anchovy and sardine model for the North Aegean Sea (Eastern Mediterranean), <i>PLoS ONE</i> 14(8): e0219671. https://doi.org/10.1371/journal.pone.0219671
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44	Mavropoulou, A.-M., V. Vervatis and S. Sofianos, 2020: Dissolved Oxygen interannual variability and shifts in the Mediterranean Sea, <i>Journal of Marine Systems</i> , doi: https://doi.org/10.1016/j.jmarsys.2020.103348 .
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47	Stamataki N., Y. Hatzonikolakis, K. Tsiaras, C. Tsangaris, G. Petihakis, S. Sofianos, and G. Triantafyllou, 2020: Modelling mussel (<i>Mytilus</i> spp.) microplastic accumulation, <i>Ocean Science</i> , 16, 927-949, doi: https://doi.org/10.5194/os-16-927-2020
48	Karagiorgos J., V. Vervatis and S. Sofianos, 2020: The impact of Tides on the Bay of Biscay Dynamics, <i>J. Mar. Sci. Eng.</i> , 8, 617, doi: https://doi.org/10.3390/jmse8080617
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52	Zodiatis, G., R. Lardner, K. Spanoudaki, S. Sofianos, H. Radhakrishnan, G. Coppini, S. Liubartseva, N. Kampanis, G. Krokos, I. Hoteit, J. Tintoré, T. Eremina, A. Drago, 2020: Modelling of weathering, in: “ <i>Marine Hydrocarbon Spill Assessments</i> ”, Ed. Oleg Makarynsky, Elsevier, (Submitted)

The paper #40 was awarded the “Top downloaded paper 2018-2019” των Geophysical Research letters (Wiley, 2020)

Δημοσιεύσεις σε πρακτικά διεθνών συνεδρίων με κριτές	
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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
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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.

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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.
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24	Skliris N., A. Mantziafou, S. Sofianos, A. Lascaratos, I. Keramitsoglou, G. Vlahopoulos, N. Adaktilou and C. Cartalis, 2007: Modelling the

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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 alexandroulopis 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	Kallos G. and S. Sofianos, 2011: Environmental predictions for search and rescue operations – incident investigations, 3rd International Symposium on Maritime Disaster Management, Al-Khobar, SA, October 2011.
47	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.
48	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.
49	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, ^[1] SEP Climatology and Atmospheric Physics, Athens May-June 2012.
50	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.
51	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)
52	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.
53	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.
54	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.
55	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.
56	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. Nicolaides, 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.
57	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.
58	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.
59	Sofianos S., 2014: Climate change impact on the Mediterranean Sea, Symposium on Impact of Climate Change on Coastal Cities, 30 January 2014, Izmir (INVITED).
60	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.
61	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
62	Mavropoulou, A. M., S. Sofianos, A. Mantziafou, and E. Jarosz, 2014: The influence of Black Sea Water inflow and its synoptic time-scale variability in the North Aegean Sea hydrodynamics, Geophysical Research Abstracts, Vol. 16, EGU2014-6612-1, 2014, EGU General Assembly, Vienna 2014.
63	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.

64	Sofianos S., 2014: Monitoring and modeling the Eastern Mediterranean circulation and its climatic variability, EastMed Symposium 2014, November 17-20, Limassol, Cyprus. (INVITED)
65	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.
66	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.
67	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.
68	Sofianos, S., 2015: Forcing mechanisms of the Eastern Mediterranean thermohaline variability, EastMed Symposium 2015, October 19-21, Haifa, Israel. (INVITED)
69	Papadopoulos, V., Y. Abualnaja, S. Sofianos and I. Hoteit, 2015: Sea Surface Temperature Variability and Driving Factors in the Red Sea, International Symposium on the Indian Ocean, November 30 - December 4, 2015, Goa, India.
70	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.
71	Zodiatis, G., G. Galanis, H. Radhakrishnan, A. Nikolaidis, G. Emmanouil, G. Nikolaidis, R. Lardner, S. Sofianos, S. Stylianou, and M. Nikolaidis, 2016: Downscaling the Copernicus marine service- the CYCOFOS new forecasting systems at regional and sub-regional scales in the Mediterranean Sea, HRCP workshop, Met Office, Exeter, UK 13-15 April 2016
72	Zodiatis, G., H. Radhakrishnan, G. Galanis, A. Nikolaidis, G. Emmanouil, G. Nikolaidis, R. Lardner, S. Sofianos, S. Stylianou, and M. Nikolaidis, 2016: The CYCOFOS new forecasting systems at regional and sub-regional scales for supporting the marine safety, Geophysical Research Abstracts, Vol. 18, EGU2016-13807, 2016, EGU General Assembly 2016.
73	Kailas, M., E. Chrysagi, and S. Sofianos, 2016: Forecasting skill assessment of an oil spill simulation system in the NE Aegean and atmospheric forcing

	perturbation experiments, Geophysical Research Abstracts, Vol. 18, EGU2016-11712, 2016, EGU General Assembly 2016
74	Licer, M., P. Smerkol, A. Fettich, M. Ravdas, A. Papapostolou, A. Mantziafou, B. Strajnar, J. Cedilnik, M. Jeromel, J. Jerman, S. Petan, A. Benetazzo, Sandro Carniel, V. Malacic, and S. Sofianos, 2016: Computed and observed turbulent heat fluxes during an extreme Bora event in the Adriatic using atmosphere-ocean coupling, Geophysical Research Abstracts, Vol. 18, EGU2016-2084-1, 2016, EGU General Assembly 2016
75	Licer, M., P. Smerkol, A. Fettich, M. Ravdas, A. Papapostolou, A. Mantziafou, B. Strajnar, J. Cedilnik, M. Jeromel, J. Jerman, S. Petan, A. Benetazzo, S. Carniel, V. Malacic, and S. Sofianos, 2016: Modeling turbulent heat fluxes during an extreme Bora event in the Adriatic using atmosphere-ocean coupling, EMS Annual Meeting Abstracts, Vol. 13, EMS2016-448, 2016.
76	Pefanis , V., A. Nenes , A. M. Mavropoulou , V. Vervatis , S. Sofianos, 2016: Impact of surface water turbidity on the dynamics of the Mediterranean Sea and its interaction with the atmosphere, MEDCLIVAR 2016 Conference, September 2016, Athens, Greece.
77	Sofianos, S., V. Papadopoulos, Y. Abulnaja, D. Giouroukou, E. Bolonaki and I. Hoteit: 2016: Summer-time monsoon-driven variability in the Red Sea and the effects of the exchanges with the Indian Ocean, International Conference on the Marine Environment in the Red Sea (ICMERS), Thuwal, KSA, 14-16 November 2016.
78	Mavropoulou , A. M., A. Nenes , S. Sofianos, 2016: Interannual variability of the oxygen minimum zone in the Mediterranean Sea, MEDCLIVAR 2016 Conference, September 2016, Athens, Greece.
79	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.
80	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.
81	Vervatis V., P. De Mey, N. Ayoub, M. Kailas, and S. Sofianos, 2017: Stochastic Coastal/Regional Uncertainty Modelling: a Copernicus marineresearch project in the framework of Service Evolution, Geophysical Research Abstracts, Vol. 19, EGU2017-10054, 2017, EGU General Assembly 2017.
82	Zodiatis, G., G. Galanis, A. Nikolaidis, H. Radhakrishnan, G. Emmanouil, G. Nikolaidis, R. Lardner, S. Sofianos, S. Stylianou, M. Nikolaidis and V. Vervatis, 2017: Downscaling the Copernicus CMEMS Med MFC in the Eastern Mediterranean: The new CYCOFOS forecasting systems at regional and sub-regional scales, EUROGOOS Conference on Operational Oceanography, October 2017, Bergen, Norway.

83	Vervatis, V., P. De Mey, M. Kailas, N. Ayoub and S. Sofianos, 2017: Stochastic Coastal/Regional Uncertainty Modelling: insights from ensemble sensitivity/consistency experiments, 5 th GODAE OceanView COSS-TT-ICM5, Cape Town, South Africa, 3-7 April 2017
84	De Mey, P., V. Vervatis, N. Ayoub, M. Kailas, G. Charria, J. Lamouroux, Ch. Skandrani, M. Iskandarani, M. Le Hénaff, and S. Sofianos, 2017: Array design and ensemble consistency analysis, GODAE OceanView Joint DA-TT & OSEval-TT Meeting, CMRE, La Spezia, 11-13 October 2017
85	Krokos, G., V. Papadopoulos, S. Sofianos and I. Hoteit, 2018: Assessing the Long-Term SST Response of the Red Sea to Natural Climate Variability, AGU, Ocean Sci. Meeting, Portland, Oregon, USA 2018.
86	Vervatis V., P. De Mey, M. Kailas, N. Ayoub, and S. Sofianos, 2018: Model uncertainties stemming from ocean-biogeochemical autoregressive processes: a high-resolution application for the Bay of Biscay, AGU, Ocean Sci. Meeting, Portland, Oregon, USA 2018.
87	Sofianos, S., V. Papadopoulos, Y. Abualnaja, D. Giouroukou, G. Krokos and I. Hoteit, 2018: Summer-time monsoon-driven variability in the Red Sea and the exchanges with the Indian Ocean, AGU, Ocean Sci. Meeting, Portland, Oregon, USA 2018.
88	Zodiatis, G., H. Radhakrishnan, G Galanis, A. Nikolaidis, G. Emmanouil, G. Nikolaidis, R. Lardner, S. Stylianiou, M. Nikolaidis, S. Sofianos and V. Vervatis, 2018: Downscaling the Copernicus marine service in the Eastern Mediterranean, AGU, Ocean Sci. Meeting, Portland, Oregon, USA 2018.
89	Mavropoulou, A.-M., V. Vervatis, A. Nenes and S. Sofianos, 2018: Interannual to decadal variability of the Oxygen minimum zone in the Mediterranean Sea, The 50 th International Liege colloquium on ocean dynamics: Long-term studies in oceanography, Liege, Belgium, 28 May - 1 June, 2018
90	Coppini, G., E. Alvarez Fanjul, S. Sofianos, M. Garcia Sotillo, S. Liubartseva, N. Pinardi, P. Agostini, J. Tintore, B. Mourre, C. Silvestri, G. Zodiatis, L. Perivolitis, G. Mannarini, A. Drago, R. Balbín, C. Solidoro, 2018: Applications in support of blue growth developed by MONGOOS partners, GEO Blue Planet 2018 Symposium, Toulouse, France, 4-6 July, 2018
91	Chaikalis, S., D. Velaoras, A.P. Karageorgis, S. Sofianos, A. Gogou, V. Cardin, D. Hainbucher, 2018: LISST measurements in the Mediterranean Sea: Relationships between particle optical characteristics and hydrology, PiE 2018, October 2018, Lisbon, Portugal.
92	De Mey-Frémaux, P., V. Vervatis, B. Lemieux-Dudon ¹ , J. Karagiorgos, Nadia Ayoub, and Sarantis Sofianos, 2019, Generation, Consistency and Reliability of Ensemble-based Regional Physical/Biogeochemical Uncertainty Estimates, 27 th Annual IUGG Assembly, Montreal, Canada, 8-18 July, 2019.

93	Vasou, P., V. Vervatis, G. Krokos, I. Hoteit and S. Sofianos, 2020: Variability of Water Exchanges Through the Strait of Hormuz, AGU, Ocean Sci. Meeting, San Diego, California, USA 2020.
94	Karagiorgos, J., V. Vervatis, B. Lemieux-Dudon, P. De Mey-Fremaux, N. K. Ayoub and S. Sofianos, 2020: On the Use of Atmospheric Ensembles to Generate Physical-biogeochemical Ocean Model Uncertainties, AGU, Ocean Sci. Meeting, San Diego, California, USA 2020.
95	Mavropoulou, A.-M., V. Vervatis and S. Sofianos, 2020: Dissolved Oxygen Response on the Climate Variability of the Mediterranean Sea, AGU, Ocean Sci. Meeting, San Diego, California, USA 2020.
96	Kampouris, K., V. Vervatis, J. Karagiorgos, and S. Sofianos, 2020: Oil spill forecasting systems uncertainty assessment in the Aegean Sea, D2914, EGU 2020-20228, EGU General Assembly 2020 (tele-conference).
97	Mavropoulou A.-M., V. Vervatis and S. Sofianos, 2020: Basin scale dissolved oxygen interannual variability of the Mediterranean Sea: Analysis of long-term observations, D2818, EGU 2020-15189, EGU General Assembly 2020 (tele-conference).

Δημοσιεύσεις σε πρακτικά εθνικών συνεδρίων με κριτές	
1	Sofianos, S., A. Theocharis, and A. Lascaratos, 2003: Long term variability of hydrology and dynamics in the Mediterranean Sea (1910-1999), 7 th Hellenic Symposium of Oceanography and Fisheries, Creta, May 2003.
2	Skliris N., S. Sofianos, A. Mantziafou, A., I. Keramitsoglou, N. Adaktilou, C. Cartalis and A. Laskaratos, 2006: Modeling of the plankton ecosystem of the Aegean Sea in relation to mixed layer dynamics, 8 th Hellenic Symposium of Oceanography and Fisheries, Thessaloniki, June 2006.
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	Varotsou E., S. Sofianos and A. Mantziafou, 2012: A study of the variability of the dynamical characteristics in the Aegean – Levantine basins, 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.
13	Poliou D., A. Mantziafou, S. Sofianos, 2018: Seasonal and interannual variability of the barotropic relative vorticity and the eddy kinetic energy of the Mediterranean Sea from 20 years altimetry data (1993-2012), 12th Panhellenic Symposium of Oceanography & Fisheries, Corfu, May/June 2018.
14	Karageorgis AP, Kanellopoulos TD, Chaikalis S, Sofianos S, 2018: Seasonal variation in the distribution of particulate matter in the Saronikos Gulf during 2017, 12th Panhellenic Symposium of Oceanography & Fisheries, Corfu, May/June 2018.
15	Hatzonikolakis Y, Stamataki N, Tsiaras K, Petihakis G, Sofianos S, Triantafyllou G, 2018: Simulation of mussel <i>Mytilus galloprovincialis</i> growth with a dynamic energy budget model, and an 133 estimate of marine

	microplastics accumulation, 12th Panhellenic Symposium of Oceanography & Fisheries, Corfu, May/June 2018.
16	Mavropoulou A-M, Vervatis V, Nenes A, Sofianos S, 2018: Climatic trends of dissolved oxygen in the Mediterranean Sea, 12th Panhellenic Symposium of Oceanography & Fisheries, Corfu, May/June 2018.
17	Karageorgis A., Drakopoulos P., Iona S., Kapsimalis V., Psarra S., Sofianos S., Spyridakis N., Topouzelis K. and Zervakis V., 2018, Advancing ocean colour retrieval for the Hellenic Seas, Joint efforts of Research Institutes and Academia, 1 st conference of the Remote Sensing and Space Applications Committee of the Geological Society of Greece, Athens, January 2018.

Invited talks and seminars	
1	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.
2	Sofianos, S. 2008: Recent and long term changes of the thermohaline characteristics in the Mediterranean Sea, Cyprus Institute, Nicosia, Cyprus, December 2008.
3	Sofianos S., 2009: Extreme event impact on 3-D thermohaline structure variability in the Aegean-Levantine region, 3 rd HyMeX Workshop, Heraklion, June 2009.
4	Sofianos, S, 2011: Investigating the Red Sea three-dimensional circulation and exchanges with the Indian Ocean, Opening Symposium of the Red Sea Marine Center, Thuwal, Saudi Arabia, April 2011.
5	Sofianos, S., 2011: The sensitivity of the Aegean-Levantine thermohaline circulation, derived from recent observations and models, Workshop on “Variability of the Eastern and Western Mediterranean Circulation and Thermohaline Properties; Similarities and Differences, Rome, Fondazione Space Academy, Rome, November 2011.
6	Sofianos, S. and W.E. Johns, 2012: Water-mass formation, overturning circulation and the exchange of the Red Sea with the adjacent basins, Workshop on “The Red Sea”, Jeddah, Saudi Arabia, February 2013.
7	Sofianos, S., 2014: Climate change impact on the Mediterranean Sea, Symposium on Impacts of Climate Change on Coastal Cities, Izmir, Turkey, January 2014.
8	Sofianos, S, 2014: Monitoring and modeling the Eastern Mediterranean circulation and its climate variability, EastMed Symposium, Limasol, Cyprus, November 2014.

9	Sofianos, S., 2015: Forcing mechanisms of the Eastern Mediterranean thermohaline variability, EastMed Symposium, Haifa, Israel, October 2015.
10	Sofianos, S., 2017: The Red Sea, the Med Sea and some implications of Turbidity, OSE Seminar Series, Georgia Institute of Technology, Atlanta, USA, April 2017.

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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
Earth System Science Data

Participation in editorial boards of peer reviewed international journals

Mediterranean Marine Science 2016 – σήμερα

Research Projects

Participation in Research Projects as a Researcher	
1	Hydrodynamics and geochemical fluxes in the Strait of Otranto (OTRANTO) (MAS2-CT93-0068) Funding: E.U. Project coordinator: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste (Italy) Partner: University of Athens Duration: 1993 – 1996 Position: Researcher
2	Hydrodynamics and biochemical processes in the straits of the Cretan Arc (PELAGOS) (MAS2-CT93-0059) Funding: E.U. Project coordinator: Hellenic Center for Marine Research Partner: University of Athens Duration: 1993 – 1996 Position: Rsearcher
3	Mediterranean Eddy Resolving Modeling and Interdisciplinary Studies (MERMAIDS) (MAS2-CT93-0055) Funding: E.U. Project coordinator: Istituto Nazionale di Geofosica e Volculanologia (Italy) Project coordinator: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste (Italy) Duration: 1993 – 1996 Position: Researcher
4	Dynamics of Boundary Currents and Marginal Seas (N00014-95-1-0025) Funding: Office of Naval Research, USA Project coordinator: University of Miami Parner: University of Miami Duration: 1995 - 2000 Position: Research Assistant
5	Σύστημα πρόγνωσης καιρού υψηλής ευκρίνειας για ναυτιλιακές και άλλες εφαρμογές (NHPEΑΣ) Funding: Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΕΠΕΤ II) Project Coordinator: University of Athens Partner: University of Athens Duration: 1999 – 2001 Position: Researcher
6	Σύστημα παρακολούθησης, πρόγνωσης και πληροφόρησης για την κατάσταση των Ελληνικών θαλασσών (ΠΙΟΣΕΙΔΩΝ) Funding: Χρηματοδοτικός Μηχανισμός του Ευρωπαϊκού Οικονομικού Χώρου (ΕΦΤΑ) – Υπουργείο Εθνικής Οικονομίας. Project Coordinator: University of Athens Partner: University of Athens Duration: 1997 – 2001 Position: Researcher

7	<p>Mediterranean Forecasting System Pilot Project (MFSPP) (MAS3-PL97-1608) Funding: E.U. – FP5 Project coordinator: Istituto Nazionale di Geofosica e Volculanologia (Italy) Partner: University of Athens Duration: 1998 – 2001 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) Funding: E.U. – FP5 Project coordinator: Centre de Formation et de Recherche sur l'Environnement Marin, Perpignan (France) Partner: University of Athens Duration: 2001 – 2003 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) Funding: E.U. – FP5 Project coordinator: NORUT Northern Research Institute (Norway) Partner: University of Athens Duration: 2002 – 2005 Position: Researcher</p>
10	<p>Mediterranean Forecasting System Toward Environmental Prediction (MFSTEP) (EVK3-CT-2003-00075) Funding: E.U. – FP5 Project coordinator: Istituto Nazionale di Geofosica e Volculanologia (Italy) Partner: University of Athens Duration: 2003 – 2006 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) Funding: Υπουργείο Παιδείας Project coordinator: University of Athens Συνεργασία με Ερευνητική Ομάδα Χημικής Ωκεανογραφίας του Τμήματος Χημείας Duration: 2005 – 2007 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) Funding: Υπουργείο Παιδείας Project coordinator: University of Athens Συνεργασία με Ερευνητική Ομάδα Τηλεπισκόπησης του Τομέα Φυσικής Περιβάλλοντος και Μετεωρολογίας Duration: 2005 – 2007 Position: Researcher</p>

13	<p>Climate Change and Impact Research: the Mediterranean Environment – CIRCE (Integrated Project 036961) Funding: E.U. – FP6 Project coordinator: Istituto Nazionale di Geofisica e Volcanologia (Italy) Partner: University of Athens Duration: 2007 – 2010 Position: Researcher and coordinator of physical oceanography group</p>
14	<p>MARINA Platform: Evaluation of multi-purpose platforms for Marine Renewable Energy (241402) Funding: E.U. – FP7 Project coordinator: ACCIONA ENERGIA S.A. (Spain) Partner: University of Athens Duration: 2010 – 2013 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) Funding: ARAMCO, SA Project coordinator: University of Athens Partner: University of Athens Duration: 2010 – Today Position: Coordinator of physical oceanography group</p>
16	<p>EMODNET MedSea Checkpoint Funding: E.U. Project Coordinator: Istituto Nazionale di Geofisica e Vulcanologia (Italy) Partner: University of Athens Duration: 2015 – 2017 Position: Coordinator of physical oceanography group</p>

Participation in Research Projects as a Principal Investigator (or NKUA leading scientist)	
1	<p>Aegean Sea Workshop (N00014-02-1-1089) Funding: Office of Naval Research, USA Project coordinator: Institute of Accelerating Systems and Applications (University of Athens) Partner: IASA Duration: 2002 – 2003 Position: Principal Investigator</p>

2	<p>Profiling Float Observation in the Aegean Sea (N00014-04-1-0524) Funding: Office of Naval Research, USA Project coordinator: Institute of Accelerating Systems and Applications (University of Athens) Partner: IASA Duration: 2004 – 2007 Position: Principal Investigator</p>
3	<p>International Action for the Sustainability of the Mediterranean and the Black Sea Environment – IASON (SSA No. 515234) Funding: E.U. – FP6 Project coordinator: Hellenic Center for Marine Research Partner: IASA – University of Athens Duration: 2005 – 2006 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) Funding: Γενική Γραμματεία Έρευνας και Τεχνολογίας, Επιχειρησιακό Πρόγραμμα Ανατολικής Μακεδονίας – Θράκης Project coordinator: MARAC Electronics Partner: IASA – University of Athens Duration: 2006 – 2008 Position: NKUA Principal Investigator</p>
5	<p>European COastal-shelf sea OPerational observing and forecasting system – ECOOP (Integrated Project 036355) Funding: E.U. – FP6 Project coordinator: Danmarks Meteorologiske Institut (Denmark) Partner: IASA – University of Athens Duration: 2007 – 2010 Position: NKUA 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: NKUA 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: NKUA 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: NKUA 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: NKUA 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) Funding: E.U. - MED Project coordinator: Department of Merchant Shipping (Cyprus) Partner: IASA – University of Athens Duration: 2012 – 2015 Position: NKUA Principal Investigator</p>
12	<p>MyOcean Follow On (633085) Funding: E.U. – H2020 Project coordinator: Mercator (France) Partner: IASA – University of Athens Duration: 2014 – 2015 Position: NKUA Principal Investigator</p>
13	<p>SCRUM: Stochastic coastal/regional uncertainty modelling: sensitivity, consistency and potential contribution to CMEMS ensemble data assimilation Funding: Copernicus – CMEMS Project Coordinator: S. Sofianos, University of Athens (Greece) Partner: University of Athens Duration: 2016-2018 Position: Principal Investigator</p>
14	<p>SCRUM II: Stochastic coastal/regional uncertainty modelling: sensitivity, consistency and potential contribution to CMEMS ensemble data assimilation - 2 Funding: Copernicus – CMEMS Project Coordinator: S. Sofianos, University of Athens (Greece) Partner: University of Athens Duration: 2018-2020 Position: Principal Investigator</p>

15	Investigation of the role of upper-ocean turbidity in impacting stratification and diapycnal turbulent transport and mixing Funding: Greek Diaspora Fellowship Program: Cycle 4 Project Coordinator: S. Sofianos, University of Athens (Greece) Partner: University of Athens Duration: 2020-2021 Position: Principal Inverstigator
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**Teaching and supervising
Teaching**

Undergraduate courses (2009-today)		
1	Physical Oceanography	Department of Physics, NKUA
2	Fluid Dynamics	Department of Physics, NKUA
Graduate courses (2009-today)		
3	Introduction to Physical Oceanography	Graduate Program in Oceanography and Marine Management, NKUA
4	Dynamical Physical Oceanography	Graduate Program in Oceanography and Marine Management, NKUA
5	Waves and Tides	Graduate Program in Oceanography and Marine Management, NKUA
6	Air-sea Intearction	Graduate Program in Oceanography and Marine Management, NKUA
7	Numerical Models in Oceanography	Graduate Program in Oceanography and Marine Management, NKUA
8	Operational Oceanography	Graduate Program in Oceanography and Marine Management, NKUA
9	Dynamics of the Atmosphere and the Oceans	Graduate Program in Marine Science and Technology, NTUA
10	Data Analysis Methods	Graduate Program in Applied Physics (Environmental Physics), NKUA
11	Physical Oceanography	Graduate Program in Applied Physics (Environmental Physics), NKUA
12	Geophysical Fluid Dynamics	Graduate Program in Applied Physics (Environmental Physics), NKUA
13	Land-Sea-Air Interactions	Graduate Program in Applied Physics (Environmental Physics), NKUA
14	Numerical Models in Physical Oceanography	Graduate Program in Informatics, NKUA

Supervising

Participation in PhD Committees (gray indicates a completed dissertation)				
	Title	Name	End Year	University
Supervisor				
1	The dynamics of the Aegean-Levantine Seas and their climatic implications; hydrographic observations and numerical simulations (co-advisor)	Vasileios Vervatis	2012	Department of Physics, NKUA
2	The impact of climate variability and natural/anthropogenic depositions on the oxygen distribution of the Mediterranean Sea (advisor)	Apostolia-Maria Mavropoulou	2021	Department of Physics, NKUA
3	Investigation of climate change in the Mediterranean Sea and its impact on ecosystem dynamics (advisor)	Athanasios Gkanasos	2021	Department of Physics, NKUA
4	Investigation of the optical properties of seawater in oligotrophic environment (advisor)	Σπύρος Χαϊκάλης	2021	Department of Physics, NKUA
5	Inferring the dominant dynamical processes and thermodynamic exchanges in the Red Sea with water mass transformation methods (advisor)	Dimitra Papageorgiou	2022	Department of Physics, NKUA
6	The impact of the optical characteristics of the sea surface layer on the ocean dynamics (combining observations and models in the Cretan Sea) (advisor)	Vasiliki Metheniti	2023	Department of Physics, NKUA
7	A numerical study of the eastern Mediterranean Sea physical and	Natalia Stamataki	2023	Department of Physics,

	biogeochemical dynamics: A case study of the Cretan Sea (advisor)			NKUA
Participation in PhD Advisory Committees				
1	New methods of analysis and forecast of oceanic waves	George Emanouil	2011	Department of Physics, NKUA
2	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	Aleksandra-Eleni Spyropoulou	2015	University of Aegean
3	Study of the long term variability of the hydrological characteristics of the Mediterranean Sea and its basins	Athanasia Iona	2019	University of Thessaly
4	Modeling the lower atmosphere and the sea surface condition for energy production applications	Christina Kalogeri	2017	Department of Physics, NKUA
5	Improving precipitation estimates over complex terrain through the use of high-resolution numerical weather predictions.	Nikolaos Bartsotas	2018	Department of Physics, NKUA
6	Estimation of energy production from large scale wind farms	Christos-Marios Stathopoulos	2021	Department of Physics, NKUA
7	The dynamics of water mass formation in the northern Red Sea	George Krokos	2021	King Abdulah University of Science and Technology, Saudi Arabia
8	Estimation of extreme values of environmental variables and	Platon Patlakas	2020	Department of Physics,

	quantification of the uncertainty			NKUA
Participation in PhD Examining Committees				
1	Recent sedimentation processes in the inner continental shelf of Alexandroupolis gulf (NE Aegean Sea)	Katerina Karditsa	2010	Department of Geology & Geoenvironment, NKUA
2	Sea level climate variability in the Mediterranean Sea	Antonio Bonaduce	2012	University of Bologna, Italy
3	Distributed hydrological model of semi-irregular land triangulation of small catchment basins	Konstantina Mitta	2013	Department of Physics, NKUA
4	Parameterization of the coefficients for momentum, heat and humidity fluxes within the Surface Marine Atmospheric Boundary Layer and implementation in an atmospheric and oceanographic model	Vasileios Kostopoulos	2015	Department of Physics, NKUA
5	Assessment of the water fluxes from the Black Sea to the Mediterranean using a coastal HF Radar	Zoi Kokkini	2015	University of Aegean
6	On the complexity of upper ocean mesoscale dynamics	Juan Manuel Sayol Espana	2016	Universitat de les Illes Balears, Spain
7	Advanced modeling and data assimilation methods for the design of sustained marine monitoring networks	Ali Aydogdu	2017	University of Venice, Italy
8	Eastern Mediterranean Thermohaline Circulation Variability	Yael Amitai	2017	Hebrew University of Jerusalem
9	Development and implementation of an ecological model for the simulation of the Mediterranean marine ecosystem and assimilation	Σοφία Καλαρώνη	2017	Department of Biology, NKUA

	techniques of satellite ecological data			
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Participation in MSc Committees and Undergraduate Theses

<p>MSc Advisor in: 35 completed, 8 underway</p> <p>MSc Advisor Committees: 10 completed, 2 underway</p> <p>More than 20 Undergraduate Theses completed</p>

Lecture Notes

“Introduction in Modeling in Physical Oceanography ”, pp 60

Notes in “Physical Oceanography” and “Fluid Dynamics” (e-class)

Notes for the course in the Graduate Program in Oceanography and Marine Management http://www.oc.phys.uoa.gr/teaching.html
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Recent Academic Mobility

2016-17, Spring Semester, Sabbatical invited by: Georgia Institute of Technology, Atlanta, GA, USA
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Other Activities

Administration

Member of the National and Kapodistrian University of Athens Senate: 2011-2012
Member of the department of Physics Administration (G.A.): 2010-2011, 2013-2014, 2016-2017, 2017-2019, 2018-2019, 2019-2020, 2020-2021
Member of the Inter-Institutional Graduate Program Committee in “Oceanography and Marine Mangement”: 2009-today
Member of the Inter-Institutional Graduate Program Committee in “Marine Science and Technology”: 2015-2017
Vice Director of the Graduate Program in Applied Physics (Environmental Physics), NKUA: 2020-today
Director of the Graduate Program in, Oceanography and Marine Mangement: 2020-today

Participation in National and Intrnational Boards

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

Member

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

Distinctions

1995 – 1996 Rosenstiel Fellow, University of Miami, USA
2020: Co-author in the top downloaded paper 2018-2019, of Geophysical Research letters (Wiley, 2020)