

PERSONAL INFORMATION



Vassilis P. Papadopoulos
Physical Oceanographer, Special Functional Scientist

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 Sex Male | Date of birth 06/06/1964 | Nationality Hellenic (Greek)

PERSONAL STATEMENT

Dedicated to Oceanographic team research. Research focus on: Air-sea heat flux; climate variability; dense water formation; Mediterranean and Red Sea overturning circulation; coastal oceanography; lagoons;

WORK EXPERIENCE

2016 - PRESENT

Special Functional Scientist in Physical Oceanography

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Physical Oceanography, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Air-sea heat exchange, physical characteristics of the sea water, sea water circulation.

1996 - 2016

Special Technical Scientist

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Department of Physical Oceanography, 46.7 Km Athens-Sounio Av., 19013, Anavyssos, Greece

- Air-sea heat exchange, physical characteristics of the sea water, sea water circulation.

OTHER POSITIONS

2009 - PRESENT

Local Office of Western Greece

Hellenic Centre for Marine Research (HCMR), Patras University Campus, Rio Patras, Greece

EDUCATION

2007-2011

PhD in Physical Oceanography

University of Patras, Department of Geology, Laboratory of Marine Geology and Physical Oceanography, University Campous, Rio Patras, Greece
Thesis Title: "Air-sea heat flux in the Aegean Sea".

1986-1991

M.Sc. in Marine Science and Technology

National Technical University of Athens, School of Naval Architecture & Marine Engineering, Zografou Campus, 9, Iroon Polytechniou Str., 15780, Zografou, Greece
Thesis Title: "Water circulation and renewal mechanisms in Papas Lagoon (Achaia, Western Greece)".

1986-1991

B.Sc. in Geology

National and Kapodistrian University of Athens, Department of Geology, Univ. Campous 15784, Zografou, Greece
Thesis Title: "Oceanographic Study of South Evoikos Gulf".

Recent Publications
SELECTED (2014-Today)

1. Papadopoulos V.P., Y. Abualnaja, S.A. Josey, A. Bower, D.E. Raitsos, H. Kontoyiannis, and I. Hoteit, 2013: Atmospheric forcing of the winter air-sea heat fluxes over the northern Red Sea. *Journal of Climate*, 26, 1685-1701.
2. Pavlidou A., V.P. Papadopoulos, I. Hatzianestis, N. Simbouna, D. Patiris, C. Tsabaris, 2014: Chemical inputs from a karstic submarine groundwater discharge (SGD) into an oligotrophic Mediterranean coastal area. *Science of The Total Environment*, 05/2014; 488-489C:1-13.
3. Raitsos, D.E., X. Yi, T. Platt, M.-F. Racault, R.J.W. Brewin, Y. Pradhan, V.P. Papadopoulos, S. Sathyendranath, I. Hoteit, 2015: Monsoon oscillations regulate fertility of the Red Sea, *Geophysical Research Letters*, 42, doi:10.1002/2014GL062882.
4. Abualnaja, Y., Papadopoulos, V.P., Josey, S.A., Hoteit, I., Kontoyiannis, H., and Raitsos, D.E., 2015: Impacts of Climate Modes on Air–Sea Heat Exchange in the Red Sea, *Journal of Climate*, 28, 2665-2681, doi: 10.1175/JCLI-D-14-00379.1.
5. Papadopoulos, V.P., P. Zhan, S.S. Sofianos, D.E. Raitsos, M. Qurban, Y. Abualnaja, A. Bower, H. Kontoyiannis, A. Pavlidou, T. T. Mohamed Asharaf, N. Zarokanellos, I. Hoteit, 2015: Factors governing the deep ventilation of the Red Sea. *Journal of Geophysical Research, Oceans*, 120, 7493–7505, doi:10.1002/2015JC010996.
6. Kontoyiannis, H., V. Lykousis, V.P. Papadopoulos, S. Stavrakakis, E.G. Anasontzis, A. Belias, S. Koutsoukos, L. K. Resvanis, 2016: Hydrography, circulation and mixing at the Calypso Deep (the deepest Mediterranean trough) during 2006–2009. *Journal of Physical Oceanography*, 46, 1255-1276.
7. Dasari, H. P., S. Langodan, Y. Viswanadhappalli, B. R. Vadlamudi, V.P. Papadopoulos, I. Hoteit, 2017: ENSO Influence on the Interannual Variability of the Red Sea Convergence Zone and Associated Rainfall, *International Journal of Climatology*, 38: 761–775, doi: 10.1002/joc.5208.
8. Zarokanellos, N., V.P. Papadopoulos, S. S. Sofianos, B. H. Jones, (2017): Physical and biological characteristics of the winter-summer transition in the Central Red Sea, *Journal of Geophysical Research, Oceans*, 122, 6355–6370, doi:10.1002/2017JC012882.
9. Velaoras, D., V.P. Papadopoulos, H. Kontoyiannis, D.K. Papageorgiou, A. Pavlidou, 2017: The response of the Aegean Sea (Eastern Mediterranean) to the extreme 2016–2017 winter. *Geophysical Research Letters*, 44, 9416–9423. doi.org/10.1002/2017GL074761.
10. Nomiki Simbouna, Panagiota Maragou, Giorgos Paximadis, Kostas Kapiris, Vassilis P. Papadopoulos, Dimitris Sakellariou, Alexandra Pavlidou, Ioannis Hatzianestis, Maria Salomidi, Christos Arvanitidis, Panayotis Panayotidis, 2018: Chapter 9 Greece in *World Seas: an Environmental Evaluation (Second Edition, Elsevier)*, Volume I: Europe, the Americas and West Africa, pp. 227-260.
11. Joydas T.V., M.A. Qurban, S.M. Ali, J.F. Albarau, L. Rabaoui, K.P. Manikandan, M. Ashraf, V.P. Papadopoulos, S. Giacobbe, P.K. Krishnakumar, 2018: Macrobenthic community structure in the deep waters of the Red Sea. *Deep-Sea Research Part I*, 137, 38–56.
12. Velaoras D., V. P. Papadopoulos, H. Kontoyiannis, V. Cardin, G. Civitarese, 2018: Water masses and hydrography during April and June 2016 in the Cretan Sea and Cretan Passage (Eastern Mediterranean Sea). *Deep Sea Research, Part II: Topical Studies in Oceanography*, 164, 25-40.
13. Krokos, G., V.P. Papadopoulos, S.S. Sofianos, H. Ombao, P. Dybczak, I. Hoteit, 2019: Natural climate oscillations may counteract Red Seawarming over the coming decades. *Geophysical Research Letters*, 46, 3454–3461, doi.org/10.1029/2018GL081397.
14. Kontoyiannis, H., D. Velaoras, V.P. Papadopoulos, S. Kioroglou, 2019: Current structures and topographic Rossby waves in the Levantine basin south of Crete revealed by snapshot and time series current measurements. *Deep-Sea Research Part II*, <https://doi.org/10.1016/j.dsr2.2019.07.008>.