

PERSONAL INFORMATION



Dimitris Velaoras

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Sex Male | [Date of birth](#) 15/12/1967 | [Nationality](#) Greek

PERSONAL STATEMENT

Dr D. Velaoras is a physical oceanographer / environmental scientist.

His main research interests/expertise include:

In-situ data collection and processing

Time series processing and evaluation of fixed observatories

Water masses characterization and circulation features, interannual variations and their connection to climatic change

Thermohaline conveyor belts: Functioning and variability

Intermediate and Deep water formation: Sites and mechanisms.

Eastern Mediterranean processes and the role of the Aegean Sea

WORK EXPERIENCE

From 2011 – to

From 2003 to 20

From 1999 to 20

From 2005 to 2008

PhD in Physical Oceanography,
National and Kapodistrian University of Athens, Greece

From 1995 to 1997

M.Sc. in Physical Oceanography,
National and Kapodistrian University of Athens, Greece

From 1986 to 1991

B.Sc. in Physics,
National and Kapodistrian University of Athens, Greece

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Cambridge Certificate of Proficiency in English (CPE) – Grade A					
French	B2	B2	B2	B2	B2
Certificat de langue Française de l' Institut Français de Grece					

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

Communication skills

- good communication skills gained through work experience as a scientist, researcher, environmental consultant

Organisational / managerial skills

- good organisational skills through work experience

Job-related skills

- good knowledge of oceanographic instrumentation and methods
- Sea-going experience includes over 20 cruises on Hellenic Navy's research vessel R/V PYTHEAS, on NATO research vessel R/V ALLIANCE, on European research vessels R/V MARIA S. MERIAN, R/V POURQUOI PAS? and on HCMR's research vessels R/V AEGAEOS, R/V PHILIA,. Cruises conducted in the Aegean and Ionian Seas, the eastern and western Mediterranean Sea, as well as in the Red Sea.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Enter level	Enter level	Enter level	Enter level	Enter level

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

- good command of FORTRAN programming language
- good command MATLAB programming language
- good command of Microsoft Office™ tools

Other skills

- scuba diving – Padi Divemaster
- Photography

Driving licence

B

ADDITIONAL INFORMATION

Publications	<ul style="list-style-type: none"> • Kontoyiannis, H., Velaoras, D., Papadopoulos, V., Kioroglou, S., (2019). Current structures and topographic Rossby waves in the Levantine basin south of Crete revealed by snapshot and time series current measurements, <i>Deep Sea Research Part II: Topical Studies in Oceanography</i>, doi: 10.1016/j.dsr2.2019.07.008. • Velaoras, D., Gogou, A., Zervoudaki, S., Civitarese, P., Giani, M., Rahav, E., (2019). Revisiting the Eastern Mediterranean: Recent knowledge on the physical, biogeochemical and ecosystemic states and trends (Volume I), <i>Deep Sea Research Part II: Topical Studies in Oceanography</i>, 164, 1-4, doi: 10.1016/j.dsr2.2019.06.010. • Protopapa, M., Zervoudaki, S., Tsangaris, C., Velaoras, D., Koppelman, R., Psarra, S., Möllmann, C., (2019). Zooplankton distribution, growth and respiration in the Cretan Passage, Eastern Mediterranean, <i>Deep Sea Research Part II: Topical Studies in Oceanography</i>, 164, 156-169, doi: 10.1016/j.dsr2.2019.03.001 • Siokou, I., Zervoudaki, S., Velaoras, D., Theocharis, A., Christou, D. E., Protopapa, P., Pantazi, M., (2019). Mesozooplankton vertical patterns along an east-west transect in the oligotrophic Mediterranean sea during early summer, <i>Deep Sea Research Part II: Topical Studies in Oceanography</i>, 164, 170-189, doi: 10.1016/j.dsr2.2019.02.006 • Velaoras, D., Papadopoulos, V. P., Kontoyiannis, H., Cardin, V., Civitarese, G., (2019). Water masses and hydrography during April and June 2016 in the Cretan Sea and Cretan Passage (Eastern Mediterranean Sea). <i>Deep Sea Research Part II: Topical Studies in Oceanography</i>, 164, 25-40, doi: 10.1016/j.dsr2.2018.09.005 • Velaoras, D., Papadopoulos, V. P., Kontoyiannis, H., Papageorgiou, D. K., Pavlidou, A., (2017). The response of the Aegean Sea (Eastern Mediterranean) to the extreme 2016–2017 winter. <i>Geophysical Research Letters</i>, 44, 9416-9423, doi: 10.1002/2017GL074761 • Karageorgis A.P., Drakopoulos P.G., Psarra S., Pagou K., Krasakopoulou E., Banks A.C., Velaoras D., Spyridakis N., Papanthassiou E., (2017). Particle characterization and composition in the NE Aegean Sea: Combining optical methods and biogeochemical parameters, <i>Continental Shelf Research</i>, 149, 96-111, doi: 10.1016/j.csr.2017.03.008 • Pedrosa-Pàmies R., Sanchez-Vidal A., Canals M., Lampadariou N., Velaoras D., Gogou A., Parinos C., Calafat A. (2016). Enhanced carbon export to the abyssal depths driven by atmosphere dynamics, <i>Geophysical Research Letters</i>, 43, doi: 10.1002/2016GL069781. <p>Bensi M., Velaoras D., Meccia V. L., Cardin V. (2016). Effects of the Eastern Mediterranean Sea circulation on the thermohaline properties as recorded by fixed deep-ocean observatories, <i>Deep Sea Research Part I: Oceanographic Research Papers</i>, 112, 1-13, doi: 10.1016/j.dsr.2016.02.015</p> <ul style="list-style-type: none"> • Triantaphyllou M. V., Gogou A., Dimiza M. D., Kostopoulou S., Parinos C., Roussakis G., Geraga M., Bouloubassi I., Fleitman D., Zervakis V., Velaoras D., Diamantopoulou A., Sampatakaki A., Lykousis, V. (2016). Holocene Climatic Optimum centennial-scale paleoceanography in the NE Aegean (Mediterranean Sea). <i>Geo-Marine Letters</i>, 36(1), 51-66, doi: 10.1007/s00367-015-0426-2 • Velaoras D., Krokos G., Theocharis A., (2015). Recurrent intrusions of transitional waters of Eastern Mediterranean origin in the Cretan Sea as a tracer of Aegean Sea dense water formation events. <i>Progress in Oceanography</i>, 135, 113-124, doi: 10.1016/j.pocean.2015.04.010 • Karageorgis, A., Georgopoulos, D., Gardner, W., Mikkelsen, O., Velaoras D., (2015). How schlieren affects beam transmissometers and LISST-Deep: an example from the stratified Danube River delta, NW Black Sea. <i>Mediterranean Marine Science</i>, 16, 2, 366-372, doi: 10.12681/mms.1116 • Velaoras D., Krokos G., Nittis K., Theocharis A., (2014). Dense intermediate water outflow from the Cretan Sea: A salinity-driven, recurrent phenomenon, connected to thermohaline circulation changes. <i>Journal of Geophysical Research – Oceans</i>, 119, 8, 4797-4820, doi: 10.1002/2014JC009937 • Theocharis A., Krokos, G., Velaoras D., Korres, G., (2014). An internal mechanism driving the alternation of the Eastern Mediterranean dense/deep water sources. In: Borzelli, G.L.E., Gačić M., Malanotte-Rizzoli, P., (Eds.), <i>The Mediterranean Sea: Temporal Variability and Spatial Patterns</i>, AGU Geophysical Monograph Series, 113-117, doi: 10.1002/9781118847572.ch8 • Krokos, G., Velaoras D., Korres, G., Perivoliotis, L., Theocharis, A., (2014). On the continuous functioning of an internal mechanism that drives the Eastern Mediterranean thermohaline circulation: the recent activation of the Aegean Sea as a dense water source area. <i>Journal of Marine Systems</i>, 129, 484-489, doi: 10.1016/j.jmarsys.2013.10.002 • Velaoras D., Kassis D., Perivoliotis L., Pagonis P., Hondronasios A., Nittis K., (2013). Temperature and salinity variability in the Greek Seas based on POSEIDON stations time series: preliminary results. <i>Mediterranean Marine Science</i>, 14, 3, 5-18, doi: 10.12681/mms.446
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	<ul style="list-style-type: none">• Parinos C., Gogou A., Bouloubassi I., Pedrosa-Pamies R., Hatzianestis I., Sanchez-Vidal A., Rousakis G., Velaoras D., Krokos G., Lykousis V. (2013). Occurrence, sources and transport pathways of natural and anthropogenic hydrocarbons in deep-sea sediments of the Eastern Mediterranean Sea. <i>Biogeosciences</i>, 10, 6069–6089, doi:10.5194/bg-10-6069-2013• Stavrakakis, S., Gogou, A., Krasakopoulou, E., Karageorgis, A. P., Kontoyiannis, H., Rousakis, G., Velaoras, D., Perivoliotis, L., Kambouri, G., Stavrakaki, I., Lykousis, V. (2013). Downward fluxes of sinking particulate matter in the deep Ionian Sea (NESTOR site), Eastern Mediterranean: seasonal and interannual variability. <i>Biogeosciences</i>, 10, 4449-4464, doi: 10.5194/bg-10-4449-2013• Velaoras D. & Lascaratos A. (2010). North – Central Aegean Sea surface and intermediate water masses and their role in triggering the Eastern Mediterranean Transient, <i>Journal of Marine Systems</i>, 83, 58-66, doi: 10.1016/j.jmarsys.2010.07.001• Velaoras D. & Lascaratos A. (2005). Deep water mass characteristics and interannual variability in the North and Central Aegean Sea, <i>Journal of Marine Systems</i>, 53, 59-85, doi: 10.1016/j.jmarsys.2004.05.027
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Conferences

- Cardin V., Chaves M., Civitarese G., Velaoras D., Hainbucher D.: "Thermohaline Circulation During The Trans-Mediterranean 2018 Go-Ship Cruise", 42 CIESM Congress (07 – 11 October 2019, Cascais, Portugal)
- Chaikalis S., Velaoras D., Karageorgis A.P., Sofianos S., Gogou A., Cardin V., Hainbucher D.: "LISST measurements in the Mediterranean Sea: Relationships between particle optical characteristics and hydrology" Particles in Europe (PiE) 2018 (14-17 October 2018, Lisbon, Portugal)
- Velaoras D., Papadopoulos V., Civitarese G.: CRELEV 2016 cruise in the Cretan Sea and Cretan Passage: Preliminary results on physics, THEMES Workshop - Teleconnections and HEMispheric-scale impacts on the MEditerranean Sea, Ca'Foscari University, (23-25 November 2016, Venice, Italy)
- Psarra S., Rousakis G., Gogou A., Karageorgis A.P., Kontoyiannis H., Lampadariou N., Pavlidou A., Sakellariou D., Zeri C., Velaoras D., Lykousis V., and the LEVECO group. Study of the marine and submarine environment and ecosystem of the East Mediterranean, south of Crete isl. - LEVECO. 12ο Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας (30 Μαΐου – 3 Ιουνίου 2018, Κέρκυρα)
- Kontoyiannis H., Velaoras D., Papadopoulos V., Kioroglou S., Stavrakakis S. Abyssal and intermediate-depth flow observations from two current meters south of the eastern Crete in 2016-2017 (LEVECO SITE '18': 34.56°N 26.25°E). 12ο Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας (30 Μαΐου – 3 Ιουνίου 2018, Κέρκυρα)
- Pavlidou A., Velaoras D., Rouselaki E., Kontoyiannis H., Psarra S. Chemical properties south of Crete, East Mediterranean Sea, Greece. 12ο Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας (30 Μαΐου – 3 Ιουνίου 2018, Κέρκυρα)
- Karageorgis A.P., Pagou K., Dimitriou E., Streftaris N., Hatzianestis J., Kanellopoulos T.D., Maneas G., Papatthanassiou M., Pavlidou A., Reizoropoulou S., Velaoras D., Papatthanassiou E. H2020 Project COASTAL –COllaborative IAnd-sea inTeGrAtion pLatform. 12ο Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας (30 Μαΐου – 3 Ιουνίου 2018, Κέρκυρα)
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- Velaoras D., Krokos G., Theocharis A.: "Appearance of Transitional Mediterranean Water (TMW) in the Cretan Sea (1987 – 2015) in relation to dense water formation events". 41 CIESM Congress (12 – 16 September 2016, Kiel, Germany)
- Bensi M., Velaoras D., Meccia V., Cardin V.: "Effects Of The Eastern Mediterranean Sea Circulation On The Thermohaline Properties As Recorded By Fixed Deep-Ocean Observatories". 41 CIESM Congress (12 – 16 September 2016, Kiel, Germany)
- Triantaphyllou M., Gogou A., Dimiza M., Kostopoulou S., Parinos C., Roussakis G., Geraga M., Skampa E., Bouloubassi I., Fleitmann D., Zervakis V., Velaoras D., Diamantopoulou A., Sampatakaki A., Lykousis V.: "Centennial-scale paleoceanography during sapropel S1 deposition in the NE Aegean (Mediterranean Sea)". EGU General Assembly 2016 (17 – 22 April 2016, Vienna, Austria)
- Karageorgis, A.P., Psarra, S., Drakopoulos, P., Assimakopoulou, G., Banks, A.C., Kabouri, G., Kanellopoulos, Th., Krasakopoulou, E., Lagaria, A., Pagou, K., Papadopoulos, V., Papadopoulos, A., Parinos, K., Renieris, P., Spyridakis, N., Velaoras, D.: "Back to basics: Measuring IOPs in the Aegean Sea to support chlorophyll- α retrieval from ocean colour", Scientific Conference of PERSEUS - "Integrated Marine Research in the Mediterranean and the Black Sea", (7-9 December 2015, Brussels, Belgium)
- Velaoras D., Krokos G., Theocharis A.: An internal thermohaline mechanism driving the variability of Eastern Mediterranean conveyor belt, THEMES Workshop - Teleconnections and HEMispheric-scale impacts on the MEditerranean Sea, Ca'Foscari University, (25-26 November 2015, Venice, Italy)
- Bensi M., Velaoras D., Cardin V., Perivoliotis L., Petihakis G.: "Important aspects of Eastern Mediterranean large-scale variability revealed from data of three fixed observatories". EGU General Assembly 2015 (12-17 April, Vienna, Austria)
- Karageorgis A., Georgopoulos D., Gardner W.D., Mikkelsen O.A., Velaoras D.: "Schlieren effects in beam transmissometers and LISSTDeep observed in the stratified Danube River delta, NW Black Sea". Particles in Europe (PiE) (7 – 9 October 2014, Esbjerg, Denmark)
- Velaoras D., Krokos G., Theocharis A.: "A recurrent, salinity driven, dense intermediate water outflow from the Cretan Sea as a manifestation of thermohaline circulation changes". MedCLIVAR2014 (23 – 25 June 2014, Ankara, Turkey)
- Velaoras D., Krokos G., Theocharis A.: "An internal mechanism alternatively drives the preconditioning of both the Adriatic and Aegean Seas as Dense Water Formation sites In the Eastern Mediterranean". 40 CIESM Congress (28 October – 1 November 2013, Marseille, France)

ANNEXES

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