

Dimitris Poursanidis



Contact

email:

dpoursanidis@gmail.com

Address: Archimidous 63, Nea Alikarnassos, Heraklion, Greece

Status: Married – one child

Skype: dpontios

Telephone: +30 6944 910637
+30 2810391774

I start to love nature and its creatures since I jump into the backyard of a Natural History Museum in Crete. Then, an endless love starts ... ☺

I studied Agriculture Ecosystem Management in the Higher Technological Institute of Crete, Greece and I hold a Ph.D. on Marine Ecology and a M.Sc. on Coastal Zone Management from the University of the Aegean, Dept. of Marine Science Greece.

I have been research visitor in ITC (University of Twente's Faculty of Geo-Information Science and Earth Observation) for six months working on Ecological Modelling and Remote Sensing whilst I have experience working on research and development projects in both the academic and industry sector. I am the founder of terraSolutions m.e.r., a consulting company with focus on research and applications in multifarious aspects of our natural ecosystems.

My scientific interests concern the use of Earth Observation data for the mapping and monitoring of coastal habitats (seagrass, coral reefs, wetlands), the understanding of the limits of EO for the estimation of satellite bathymetry and seabed mapping, the application of ecological modelling using EO data in support of conservation decisions and protected areas management, the use of well-known tools and methods for ecological monitoring. I use multimedia tools (photography, videography, audio) to disseminate my work in social media, newspapers, books and popularized articles. I am member of the global photographic project MeetYourNeighbours.

EDUCATION

Ph.D. Degree in **Marine Ecology** - Department of **Marine Science** of the University of the Aegean, December **2016**.

Master of Science Degree in **Integrated Coastal Zone Management** - Department of **Marine Science** of the University of the Aegean, March **2008**.

Degree in **Natural Ecosystem Management** – School of Agriculture, Food & Nutrition, Higher Technological Educational Institute of Crete, Heraklion, October **2004**.

WORK EXPERIENCE

01/01/2017 – today

Postdoctoral Fellow in the Remote Sensing Lab of the Foundation for Research and Technology Hellas (<http://www.rslab.gr>).

01/01/2007 – today	Founder of terraSolutions m.e.r., a consulting firm with focus on research and applications in multifarious aspects of our natural ecosystems. (www.terrasolutions.eu).
01/03/2018 – 31/07/2018 & 01/03/2019 – 31/07/2019	Adjunct Lecturer on Environmental Management in the Higher Technological Institute of Crete, Department of Agriculture, School of Agriculture, Food and Nutrition.
01/01/2015 – 30/12/2015	Researcher , University of Crete, Natural History Museum of Crete http://ecogenodiv.sardine.gr/ . National project: " <i>EcoGenoDiv: Adding more Ecology and Genomics in in understanding of the biological Diversity: the role of islands as natural laboratories</i> ". Project coordinator: Assistant Professor Nikos Poulakakis.
01/09/2014 – 30/06/2015	Researcher , University of Thrace, Department of Molecular Biology., https://sites.google.com/site/mbgsystematics/Research-Projects/spidonet-gr . National project: " <i>SPIDOnetGR: Spinning or speeding the web? Accelerating biodiversity research using ground spiders as ambassadors of Greek arthropod hotspots</i> ". Project coordinator: Assistant Professor Maria Chatzaki.
01/11/2012 – 31/12/2016	Research Fellow in the Remote Sensing Lab of the Foundation for Research and Technology Hellas .
01/03/2008 – 30/10/2012	Ecologist/Geospatial data analyst at the "Conservation of the Island Wetlands of Greece" project of WWF Hellas . (http://www.wwf.gr/en/areas/island-wetlands).
01/05/2010 – 30/11/2010	Research visitor at ITC - Faculty of Geo-Information Science and Earth Observation of the University of Twente. (https://www.itc.nl/).
01/05/2007 – 30/12/2016	Consultant at UNEP/MAP – The MEDPOL project.
01/10/2006 – 30/12/2016	Member of the Marine Biodiversity lab, University of the Aegean, Dept. of Marine Science. Lab leader: Professor Drosos Koutsoubas.
01/10/2005 – 30/12/2006	Technical expert on the technical support team of Marathon Data Systems, the ESRI distributor in Greece and Cyprus. (http://www.marathondata.gr/).

PUBLICATIONS IN PEER-REVIEW JOURNALS

[Google Scholar](#) , [ResearchGate](#)

TECHNICAL SKILLS

Specialized Software: ENVI, ArcGIS, Statistica, QGIS, ERDAS Imagine, PCI Geomatica, R Statistics, Primer, PAST. Cloud Computing: [Google Earth Engine](#), Diving Skills: PADI Rescue Diver, PADI National Geographic Diver, CMAS Scientific Diving.

REVIEWER FOR SCIENTIFIC JOURNALS / PROPOSALS

Summary and statistics on my work as a reviewer of scientific publications can be found in [Publons](#). I have acted as reviewer for calls from H2020, ERANet and for the Hellenic Foundation for Research and Innovation

SELECTED PUBLICATIONS

Dimitris Poursanidis, Dimos Traganos, Peter Reinartz and Nektarios Chrysoulakis. 2019. On the use of Sentinel-2 for coastal habitat mapping and satellite-derived bathymetry estimation using downscaled coastal aerosol band. *International Journal of Applied Earth Observation and Geoinformation*. 80, 58-70, <https://doi.org/10.1016/j.jag.2019.03.012>.

Dimitris Poursanidis, Giorgos Chatzigeorgiou, Charalampos Dimitriadis, Drosos Koutsoubas and Christos Arvanitidis. 2019. Testing the robustness of a coastal biodiversity data protocol in the Mediterranean: Insights from the molluscan assemblages of the sublittoral macroalgae communities. *Hydrobiologia*. <https://doi.org/10.1007/s10750-018-3725-6>

Christoph Wohner, **Dimitris Poursanidis**, Johannes Peterseil, Mike Wilson, Nektarios Chrysoulakis, Tomáš Kliment. 2019. DEIMS-SDR - a web portal to document research sites and their associated data. *Ecological Informatics*, 51: 15-24.

Christiaan Hummel, **Dimitris Poursanidis**, Daniel Orenstein, Michael Elliott, Mihai Cristian Adamescu, Constantin Cazacu, Guy Ziv, Nektarios Chrysoulakis, Jaap van der Meer, Herman Hummel, 2019. Protected Area management: Fusion and confusion with the ecosystem services approach, *Science of The Total Environment*, <https://doi.org/10.1016/j.scitotenv.2018.10.033>.

Enrico Bazzicalupo, Fabio Crocetta, Ka'ala Estores-Pacheco, Haleh Golestani, Hocein Bazairi, Salvatore Giacobbe, Andrej Jaklin, Dimitris Poursanidis, Sneha Chandran B.K., Juan Lucas Cervera Currado, Ángel Valdés. Population genetics of *Bursatella leachii* (De Blainville, 1817) and implications for the origin of the Mediterranean population. *Helgoland Marine Research* 72(1) DOI: 10.1186/s10152-018-0521-7

Traganos, D.; Aggarwal, B.; **Poursanidis, D.**; Topouzelis, K.; Chrysoulakis, N.; Reinartz, P. Towards. Global-Scale Seagrass Mapping and Monitoring Using Sentinel-2 on Google Earth Engine: The Case Study of the Aegean and Ionian Seas. *Remote Sens.* 2018, 10, 1227.

Traganos, D.; **Poursanidis, D.**; Aggarwal, B.; Chrysoulakis, N.; Reinartz, P. Estimating Satellite-Derived Bathymetry (SDB) with the Google Earth Engine and Sentinel-2. *Remote Sens.* 2018, 10, 859.

D. Pasetto, S. Arenas-Castro, **D. Poursanidis**, ... G. Ziv. Integration of satellite remote sensing data in ecosystem modelling at local scales: practices and trends. *Integration of satellite remote sensing data in ecosystem modelling at local scales: Practices and trends. Methods Ecol Evol.* 2018. 9:1810–1821. doi: 10.1111/2041-210X.13018x.

Dimitris Poursanidis, Konstantinos Topouzelis & Nektarios Chrysoulakis (2018) Mapping coastal marine habitats and delineating the deep limits of the Neptune's seagrass meadows using very high-resolution Earth observation data, *International Journal of Remote Sensing*, DOI: 10.1080/01431161.2018.1490974.

Panagiotakis, E.; Chrysoulakis, N.; Charalampopoulou, V.; **Poursanidis, D.** Validation of Pleiades Tri-Stereo DSM in Urban Areas. *ISPRS Int. J. Geo-Inf.* 2018, 7, 118.

Christiaan Hummel, Antonello Provenzale, Jaap van der Meer, Sander Wijnhoven, Arno Nolte, **Dimitris Poursanidis**, Guyonne Janss, Matthias Jurek, Per Magnus Andresen, Brigitte Poulin, Johannes Kobler, Carl Beierkuhnlein, João Honrado, Arturas Razinkovas, Ana Stritih, Tessa Bargmann, Alex Ziemba, Francisco Bonet-García, Mihai Cristian Adamescu, Herman Hummel. 2017. Ecosystem Services in European Protected Areas: Ambiguity in the Views of Scientists and Managers? *PLoS ONE* 12(11): e0187143. <https://doi.org/10.1371/journal.pone.0187143>.