

PERSONAL INFORMATION

Dimitra Denaxa



 Athinon-Souniou Ave (46.7th km), 19013 Anavyssos (Greece)

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Sex Female | Date of birth 17/05/1985 | Nationality Greek

EDUCATION AND TRAINING

2011–2014 **MSc in Environmental Physics**
National and Kapodistrian University of Athens, Department of Physics
Thesis: "Red Sea Response to Interannual Variability of Atmospheric Conditions"

2003–2010 **BSc in Physics**
National and Kapodistrian University of Athens, Department of Physics
Environmental Physics and Meteorology
Thesis: "Weather bioclimatic classification in the greater Aegean Archipelagos"

WORK EXPERIENCE

04/2015–Present **Research assistant**
HCMR, Institute of Oceanography, Anavyssos

Main activities and responsibilities:

- Working for the Med-waves component of the Mediterranean Monitoring and Forecasting Centre (Research projects: *CMEMS MED MFC*, *CMEMS MED MFC II*)
- Satellite SST data analysis (quality control, studying SST diurnal variability, reconstruction of SST fields), application and evaluation of statistical-dynamical observation operator for SST data assimilation in the POSEIDON forecasting model (Research project: *SOSSTA*)
- POSEIDON system's helpdesk
- Studying the perspectives of marine renewable energy development in the Mediterranean Sea, wind and wave data analysis (Research projects: *BLUENE*, *ΚΑΠΕ*)

01/2011–03/2011 **Internship**
Ministry of Environment, Energy and Climate Change, Athens

Main activities and responsibilities:

Data analysis of liquid and gaseous emissions and solid waste of industrial related activity in Greece

PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
French	B2	B2	B1	B1	B2
Italian	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Organisational / managerial skills Experience in management and reporting gained through the participation in research projects

Job-related skills Experience in numerical modelling in physical oceanography gained using the Miami Isopycnic Coordinate Ocean Model (MICOM)

Digital skills
 Operating Systems: Linux / Windows
 Programming Languages: FORTRAN
 Scientific Software Packages: Matlab

ADDITIONAL INFORMATION

Publications

Journals:

- E. Jansen, S. Pimentel, W.-H. Tse, D. Denaxa, G. Korres, I. Mirouze and A. Storto. Using canonical correlation analysis to produce dynamically based and highly efficient statistical observation operators, *Ocean Sci.*, 15, 1023–1032, <https://doi.org/10.5194/os-15-1023-2019>, 2019
- S. Pimentel, S. Tse, H. Xu, D. Denaxa, E. Jansen, G. Korres, I. Mirouze and A. Storto. Modelling the Near Surface Diurnal Cycle of Sea Surface Temperature in the Mediterranean Sea. *Journal of Geophysical Research: Oceans* 124 (1), 171-183, 2019
- Soukissian, T.H.; Denaxa, D.; Karathanasi, F.; Prospathopoulos, A.; Sarantakos, K.; Iona, A.; Georgantas, K.; Mavrakos, S. Marine Renewable Energy in the Mediterranean Sea: Status and Perspectives. *Energies* 2017, 10, 1512.

Announcements:

- S. Pimentel, D. Denaxa, E. Jansen, G. Korres, I. Mirouze, A. Storto, S. Tse: An observation operator for assimilating skin and sub-skin sea surface temperature, *Ocean Sciences Meeting*, Portland, Oregon, Feb. 2018
- A. Storto, D. Denaxa, E. Jansen, G. Korres, I. Mirouze, S. Pimentel, W.H. Tse: The SOSSTA project: enhancing the skin SST representation in ocean analysis and forecasting systems, *Copernicus Marine Week*, Brussels, Belgium, Sept 2017
- S. Pimentel, W.H. Tse, A. Storto, G. Korres, D. Denaxa, E. Jansen and I. Mirouze: Developing a dynamical-statistical observation operator for SST data assimilation, *Canadian Meteorological and Oceanographic Society (CMOS) Congress*, Toronto, Canada, June 2017
- S. Pimentel, W.H. Tse, A. Storto, G. Korres, D. Denaxa, E. Jansen and I. Mirouze: A statistical-dynamical operator for assimilating sea surface temperature observations in ocean models, *Canadian Geophysical Union (CGU) Annual Scientific Meeting*, Vancouver, Canada, May 2017
- 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.
- Katavoutas G., Theoharatos G., Denaxa D., Samos I., 2011. Weather Bioclimatic Classification in the Great Aegean Archipelagos, *12th International Conference on Environmental Science and Technology 2011 (CEST 2011)*, Rhodes, Greece 8-10 October 2011, vol. 4, 2590-25970.