

PERSONAL INFORMATION

Iliana Polychroni



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Sex Female | Date of birth 09/01/1987 | Nationality Greek

WORK EXPERIENCE

- September 2018 – December 2019      **Research Fellow of Biomedical Research Foundation Academy of Athens (BRFAA) in the frame of the research program «ERA-PLANET: The European Network for Observing our Changing Planet»**
- July 2018 – October 2019              **Research Fellow of Laboratory of Climatology and Atmospheric Environment of National and Kapodistrian University of Athens in the frame of the research program «Modelling the Vertical Structure of Tropical-like Mediterranean Cyclones using WRF Ensemble Forecasting and the impact of Climate Change (MEDICANE) (ESPA 2014-2020, EDBM34)»**
- August 2017 – June 2018                **Research Fellow of Biomedical Research Foundation Academy of Athens (BRFAA) in the frame of the research program «GEO-CRADLE Coordinating and Integrating Regional, state-of-the-art Earth Observation Activities in NA, ME and Balkans and Developing Links with GEO related initiatives towards GEOSS»**
- June 2016 – December 2016            **Research Fellow of Biomedical Research Foundation Academy of Athens (BRFAA) in the frame of the research program «Environmental advantages of Greece in the field of the euphoria of tourists»**
- October 2010 – November 2010        **Practical Training Internship at the center of SEISMOPOLIS Redi, Athens, in relation to Training and Familiarization with earthquakes in Schools of Primary and Secondary Education.**

EDUCATION AND TRAINING

- December 2015 - Present                **PhD Candidate**  
 Department of Geology and Geoenvironment, School of Sciences, National and Kapodistrian University of Athens  
 PhD topic: «Extreme climatic indices, based on joint modes of air temperature and precipitation over the Mediterranean region. Present and future climatic conditions»
- September 2014 – October 2016        **M.Sc. in Water Resources Science & Technology : Specialization A : Hydrology and Environmental Management of Water Resources (Grade: 8.39)**  
 National Technical University of Athens  
 M.Sc thesis topic: «Trends and variability of extreme climatic indices, based on joint modes of air temperature and precipitation over Greece»
- September 2011 – November 2014      **M.Sc. in Geography and Environment (Grade: 9.79)**  
 Department of Geology and Geoenvironment, School of Sciences, National and Kapodistrian University of Athens  
 M.Sc thesis topic: «Assessment of micro bioclimatic conditions within the Athens University Campus : In situ measurements and modelling»

September 2004 – March 2011

**B.Sc. in Geology and Geo-environment (Grade: 7.35)**

Department of Geology and Geoenvironment, School of Sciences, National and Kapodistrian University of Athens

**PERSONAL SKILLS**

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C	C2	C2	C2	C2
French	B2	B2	B2	B2	B2

Diplome d' etudes en langue francaise (DELF) 1er Degree

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

**Organisational / managerial skills** Organizational spirit and leadership skills grown as part of my participation at the 2nd, 3rd & 4th Athens Science Festival held in Athens in 2015, 2016 and 2017. In addition, I participated in the organization of the international conference MedClivar 2016 which was held in Athens September 2016.

**Computer skills**

- Cambridge International Diploma in IT Skills Standard level (units: Internet Services, Microsoft Word, Microsoft Excel, Windows, Microsoft Power Point, Microsoft Access).
- Excellent knowledge of R-project, IBM SPSS, Statistica, Arc GIS, Surfer, Corel and Rayman Model.

**Driving licence** B

**ADDITIONAL INFORMATION**

**Publications** Nastos P.T. and **Polychroni I.D.** (2016), Modeling and in situ measurements of biometeorological conditions in microenvironments within the Athens University Campus, Greece. International Journal of Biometeorology, 60:1463-1479, DOI: 10.1007/s00484-016-1137-8.

**International Conferences** **Polychroni I.D.** and Nastos P.T. (2014), Assessment of human thermal bioclimatic conditions in complex micro environments within the Athens University Campus, Greece. 14th EMS Annual Meeting & 10th European Conference on Applied Climatology (ECAC)/ Prague, Czech Republic/ 6-10 October 2014.

**Polychroni I.D.**, Nastos P.T. and Baltas E. (2015), Trends and variability of joint distribution extreme climate indices over Greece. 15th EMS Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM)/ Sofia, Bulgaria/7-11 September 2015.

Nastos P.T., Zerefos C.S., Kapsomenakis I. N., Eleftheratos K. and **Polychroni I.D.** (2016), Human thermal comfort antithesis in the context of the Mediterranean tourism potential. European Geosciences Union (EGU) / Vienna, Austria / 17-22 April 2016.

Hatzaki M., Nastos P., **Polychroni I.**, Flocas H., Kouroutzoglou J. and Dalezios N. (2016), Association of joint occurrence of warm and dry conditions over Greece with anticyclonic activity during summer. European Geosciences Union (EGU) / Vienna, Austria / 17-22 April 2016.

**Polychroni I.D.**, Nastos P.T. and Baltas E. (2016), Joint modes of air temperature and precipitation related to atmospheric circulation over Greece. 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC)/ Trieste, Italy / 12-16 September 2016.

**Polychroni I.D.** and Nastos P.T. (2017), Standardized Precipitation Index (SPI) over the Mediterranean region based on high resolution gridded data. European Geosciences Union (EGU) / Vienna, Austria / 23-28 April 2017.

**Polychroni I.D.**, Nastos P.T, Kapsomenakis J. and Hatzaki M. (2018), Combined extreme climate indices related to atmospheric circulation over the Mediterranean region. EMS Annual Meeting: European Conference for Applied Meteorology and Climatology 2018/ Budapest, Hungary/3-7 September 2018.

Mylonas M., Douvis K., **Polychroni I.D.**, Politi N. and Nastos P.T. (2018), Ensemble forecasting and analysis of "Cleopatra" medicane by using AR-WRF model. EMS Annual Meeting: European Conference for Applied Meteorology and Climatology 2018/ Budapest, Hungary/3-7 September 2018.

Douvis K., Politi N., Mylonas M., **Polychroni I.D.** and Nastos P.T. (2018), WRF forecasting capability of a Tropical-like Cyclone in the Ionian Sea. Meddivar 2018 Conference/ University of Belgrade, Belgrade, Serbia/ 18-21 September 2018.

Hatzaki M., **Polychroni I.D.**, Nastos P.T., Kouroutzoglou J., Flocas H.A. and Rudeva I. (2018), The joint occurrence of extreme temperature and precipitation patterns associated with the synoptic systems activity over the Mediterranean. America Geosciences Union AGU Fall Meeting/ Washington, D.C./ 10-14 December 2018.

Full papers in conference  
Proceedings

**Polychroni I.D.** and Nastos P.T. (2017), Annual Standardized Precipitation Index (SPI12) over the Mediterranean. 11<sup>th</sup> International Hydrogeological Congress of Greece / Athens, Greece / 4-6 October 2017.

**Polychroni I.D.**, Nastos P.T and Kapsomenakis J. (2018), Combined extreme climate indices over the Mediterranean region. Variability and trends analysis. 14th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2018/ Alexandroupolis, Greece/ 15-17 October 2018.

Mylonas M., Douvis K., **Polychroni I.D.**, Politi N. and Nastos P.T (2018), Sensitivity analysis on a Mediterranean tropical - like cyclone over southwestern Greece. 14th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2018/ Alexandroupolis, Greece/ 15-17 October 2018.