

Higher Education

2010-2015	PhD in Physics Science, School of Science, Faculty of Physics, National and Kapodistrian University of Athens (Greece)
2005-2007	MSc in Environmental Physics, School of Science, Faculty of Physics, National and Kapodistrian University of Athens (Greece)
1998-2004	BSc in Physics Science, School of Science, Faculty of Physics, National and Kapodistrian University of Athens (Greece)

Languages

English: 2017 Certificate of Proficiency in English (ECPE)/University of Michigan (C2)

Spanish: 2018 State Certificate of Language Proficiency (B2)

Greek: mother tongue

Academic Positions

2018-present	Research Fellow, PhD, National Observatory of Athens
2018- present	Visiting Lecturer, Hellenic Army Academy
2016-2017	Post-Doctoral Research Associate, School of Science, Faculty of Physics, National and Kapodistrian University of Athens
2016-2017	Teaching Assistant, School of Science, Faculty of Physics, National and Kapodistrian University of Athens
2005-2007	Research Fellow, Department of Natural Resources Development & Agricultural Engineering, Agricultural University of Athens

Other work Experience

- 2014-2015: Office support, Editing in Physics books - Savalas publishing house. , Z. Pigis 18, 106 81, Athens Greece.
- 2007 - 2010 Physics and maths tutor -tutorial school ‘‘ Mathitiki Gwnia’’ , Zervoudaki 56, 10445, Patisia, Athens, Greece

Publications (scientific journals)

- **Kitsara, G.**, van der Schriek, T., Varotsos, K.V., Giannakopoulos C. (2021). Future changes in climate indices relevant to agriculture in the Aegean islands (Greece). Euro-Mediterranean Journal for Environmental Integration, 6: 34 <https://doi.org/10.1007/s41207-020-00233-4>
- Konstantinos V. Varotsos, Anna Karali, John Lemesios, **Gianna Kitsara**, Marco Moriondo, Camilla Dibari, Luisa Leolini, Christos Giannakopoulos (2021):Near future climate change projections with implications for the agricultural sector of three major Mediterranean islands. Regional Environmental Change, 21:16 <https://doi.org/10.1007/s10113-020-01736-0>
- Konstantinos Ch. Nefros, **Gianna S. Kitsara**, Yorgos N. Photis (2018): Using Geographic Information Systems (GIS) to develop prioritization maps in urban search and rescue operations, after a natural disaster. Case study: the municipality of Agia Paraskevi, Athens, Greece, IFAC-Papers OnLine, Elsevier, vol 51, issue 30, 360-365. <https://doi.org/10.1016/j.ifacol.2018.11.332>, (4 citations, impact factor 2.987)

- Margonis A., Papaioannou G., Kerkides P., **Kitsara G.**, Bourazanis G. (2018): Canopy Resistance and Actual Evapotranspiration over an Olive Orchard, *Water Resources Management*, <https://doi.org/10.1007/s11269-018-2119>, (6 citations, impact factor 2.987)
- Alexiou S., R. Argyropoulou, E. Drakaki, L. Fragkos-Livanios, **G. Kitsara**, K. Kolovos, T. Liolios, G. Melagraki, A. Vorvolakos, (2018): Current Military Science Research Topics, *The Journal of Arms Control, Defense & Security Studies*, Volume 1, Issue 1, Online Publication Date: August 16, 2018.
- **Gianna Kitsara**, Georgia Papaioannou, Adrianos Retalis, Dimitris Paronis & Petros Kerkides (2018): Estimation of air temperature and reference evapotranspiration using MODIS land surface temperature over Greece, *International Journal of Remote Sensing*, 39:3,924-948, DOI: 10.1080/01431161.2017.1395965 (9 citations, impact factor 2.493)
- **Kitsara G.**, Papaioannou G., Kerkides P. (2017): Causes of Dimming/brightening in Greece and Implications on Reference Evapotranspiration, *European Water*, 59: 77-83. http://www.ewra.net/ew/issue_59.htm. (1 citation)
- **Kitsara, G.**, G. Papaioannou, A. Papathanasiou, and A. Retalis (2013), Dimming/brightening in Athens: Trends in Sunshine Duration, Cloud Cover and Reference Evapotranspiration, *Water Resources Management*, 27, 1623-1633. (36 citations, impact factor 2.987)
- Papaioannou, G., **G. Kitsara**, S. Athanasatos (2011), Impact of Global Dimming and Brightening on Reference Evapotranspiration in Greece, *Journal of Geophysical Research*, 116, DO9107, doi:10.1029/2010JD015525. (57 citations, impact factor 3.63)

Publications (conference Proceedings)

- Nydrioti I., **G. Kitsara**, I. Sebos1, P. Karka, D. Assimacopoulos (2021):"Urban water resources management under different climate scenarios in the municipal department of Aigeiros, Komotini" CEMEPE/SECOTOX 2021 Conference, CEMEPE/SECOTOX 2021, Thessaloniki, Greece, July 20 -24, 2021 (accepted for oral presentation).
- Katavoutas G., D. Founda, **G. Kitsara**, C. Giannakopoulos (2021): Climate change impacts on thermal comfort in one of the most popular tourist destinations in the world, Santorini Island, Greece, EGU General Assembly 2021, 19-30 April 2021, EGU21-1946, (accepted for presentation).
- van der Schriek T., **G. Kitsara**, K.V. Varotsos, C. Giannakopoulos (2021): The impact of temperature and precipitation changes on honey bees (*Apis mellifera*) in the Aegean region under future climate scenarios, EGU General Assembly 2021, 19-30 April 2021, EGU21- 5579, (accepted for presentation).
- Photini Mylona, Michalia Sakellariou, Christos Giannakopoulos, Basil Psiloglou and **Gianna Kitsara** (2020) :Terrace landscapes as green infrastructures for a climate-smart agriculture to mitigate climate change impacts. 9th International Conference on Information and Communication Technologies in Agriculture, Food & Environment , September 24-27, 2020, Thessaloniki, Greece
- **Kitsara G.**, T. van der Schriek, B.E Psiloglou, C. Giannakopoulos, (2019): Future changes in climatic indices over the Aegean area; potential micro-climate changes in Andros after land use modifications, European meteorological society - EMS Annual Meeting Abstracts, ¹_{SEP} Vol. 16, EMS2019-629, 9-13 September 2019, Copenhagen, Denmark
- **Kitsara G.**, Tim v. d. Schriek, C. Giannakopoulos, B.E Psiloglou (2019): Future climate change: projections of indices relevant to agriculture in the Aegean region. 2nd ADAPTtoCLIMATE Conference, Helaklion , Crete, 24-25 June 2019.
- Konstantinos Ch. Nefros, **Gianna S. Kitsara**, Yorgos N. Photis (2018): Using Geographic Information Systems (GIS) to develop prioritization maps in urban search and rescue operations, after a natural disaster. Case study: the municipality of Agia Paraskevi, Athens, Greece. 18th IFAC Conference on Technology, Culture and International Stability. Baku, AZERBAIJAN, 13-15 September 2018.

- **Kitsara G.**, Papaioannou G., Kerkides P. (2017): Causes of Dimming/brightening in Greece and Implications on Reference Evapotranspiration. 10th EWRA WORLD CONGRESS on water resources and environment "Panta Rhei". Athens 5-9 July 2017 (Proceedings, II Climate and Water Resources, pp 441-448)
- **Kitsara G.**, Papaioannou G., Zygoura E., Giannakopoulos C. & Kerkides P. (2015): Trends of Reference Evapotranspiration Over Greece In a Future Climate. 9th World Congress of EWRA "Water Resources Management in a Changing World: Challenges and Opportunities". Istanbul Turkey, 10th-13th June 2015, (Proceedings, Conference I-1, Session 4, O_1_73)
- **Kitsara G.**, Papaioannou G., Retalis A. & Kerkides P. (2013): Estimation of Reference Evapotranspiration Using Remote Sensing and Minimum Hydrological Data. 8th International Conference of EWRA "Water Resources Management in an Interdisciplinary and Changing Context" Porto, Portugal, 26th-29th June 2013, (Proceedings pp771-781)
- **Kitsara G.**, Papaioannou G, and Kerkides P. (2012): Changes of pan evaporation Measurements and Reference Evapotranspiration in Greece. 11th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2012), Athens, May 29-June 1, 2012. Advances in Meteorology, Climatology and Atmospheric Physics, Springer Atmospheric Sciences, DOI 10.1007/978-3-642-29172-2_75, Volume 1 pp 527-533
- **Kitsara G.**, Papaioannou G, Papathanasiou A. and Retalis A. (2011): Dimming/brightening in Athens: Trends in sunshine duration, cloud cover and reference evapotranspiration. VI EWRA International Symposium - Water Engineering and Management in a Changing Environment, Catania, June 29 - July 2, 2011. (Proceedings, Session 2, Assessment of climate change: EWRA2011paper_Kitsara.pdf).
- Papaioannou G., Mitropoulou A., **Kitsara G.** (2009): Parameterisation of potential evaporation and long-term water balance trends. 7th International Conference of European water resources association (EWRA): Resources conservation and risk reduction under climatic instability, 25-26 June, Limassol, Cyprus, 2009 Proceedings, pp37-47
- Papaioannou G., Athanasatos S. and **Kitsara G.** (2009): Impact of Global Dimming and Brightening on reference evapotranspiration over complex terrains estimated from minimum climatological data. 7th International Conference of European water resources association (EWRA): Resources conservation and risk reduction under climatic instability, 25-26 June, Limassol, Cyprus, 2009 (Proceedings pp.297-306)
- **Kitsara G.**, Floros I., Papaioannou G., Kerkides P. (2009): Spatial and temporal analysis of pan evaporation in Greece. 7th International Conference of European water resources association (EWRA): Resources conservation and risk reduction under climatic instability, 25-26 June, Limassol, Cyprus, 2009 (Proceedings pp.237-245).
- Papaioannou G., Mitropoulou A., **Kitsara G.**, Kerkides P., Giannouloupoulos P. and Psomiadis E. (2007) Drought indices over Crete, EWRA Symposium on Water Resources Management New Approaches and Technologies, 14-16 June 2007, Chania, Crete, Greece, Section 2, p.375-378.
- Papaioannou G., **Kitsara G.**, Melanitis N., Mitropoulou A., Kerkides P. and Giannouloupoulos P. (2007): Temporal analysis of hydrometeorological characteristics in Crete. EWRA Symposium on Water Resources Management: New Approaches and Technologies 14-16 June 2007, Chania-Crete, Greece, Section 2, p. 371-374.
- Papaioannou G., **Kitsara G.** and Kerkides P. (2007): Trends in actual and potential evapotranspiration over Greece, EWRA Symposium on Water Resources Management: New Approaches and Technologies 14-16 June 2007, Chania-Crete, Greece, Section 1, p. 229-236.
- Papaioannou G., **Kitsara G.**, Mitropoulou A. and Markopoulos P (2005): Reference crop evapotranspiration and agricultural rainfall index. 9th International Conference on Environmental Science and Technology, Rhodes Island, Greece, 1-3 September 2005, Section b, p 671- 676.

Scholarships

2016 -2017 **Post doc** research funded by the National Scholarships Foundation Greece "IKY FELLOWSHIPS OF EXCELLENCE FOR POSTGRADUATE STUDIES IN GREECE-SIEMENS PROGRAM"

2010 -2013 National Kapodistrian University of Athens fully-**funded PhD Studentship** (3 year):
Operational programme 'Education and lifelong learning investing in knowledge society' (IRAKLITOS II), co-funded by the European Union and Greece.

Research Project Participation

- **2020-2021:** "LIFE – UrbanProof: Climate proofing urban Municipalities" (LIFE15 CCA/CY/000086)
- **2019-2020:** "LIFE ADAPT2CLIMA: Adaptation to Climate change Impacts on the Mediterranean islands Agriculture" (LIFE14 CCA/GR/000928).
- **2018-2021:** "LIFE TERRACESCAPE: Employing Land Stewardship to transform terraced landscapes into green infrastructures to better adapt to climate change" (LIFE16 CCA/GR/000050).
- **2020-2021:** "LIFE-IP AdaptInGR - Boosting the implementation of adaptation policy across Greece (<https://www.adaptivegreece.gr/en-us/>)" (LIFE17 IPC/GR/000006).
- **2005-2007:** "DESURVEY: A surveillance system for assessing and monitoring of desertification" (FP6-SUSTDEV, IP - Integrated Project)

