

DR. MARIA HATZAKI
CURRICULUM VITAE

**PERSONAL
DETAILS**

Nationality: **Hellenic**
Date of Birth: **1 January 1977**
Place of Birth: **Piraeus, Greece**
Work Address: **Department of Geography and Climatology
Faculty of Geology and Geoenvironment
National and Kapodistrian University of Athens
(UoA)**
Tel/Fax: **+30 210 7274192 / +30 210 7274190**
e-mail: **marhat@geol.uoa.gr**

STUDIES

2008 PhD, Faculty of Physics, National and Kapodistrian University of Athens
Thesis: The Eastern Mediterranean teleconnection Pattern: structure, dynamical mechanisms, and impact on regional climate

2002 MSc on Environmental Physics, Faculty of Physics, UoA
Thesis: BTX measurements with Differential Optical Absorption Spectroscopy (DOAS) system at Athens

2000 Bachelor in Physics, Faculty of Physics, UoA
Thesis: Design and construction of a chamber simulating upper atmospheric conditions for instrument calibration

**PROFESSIONAL
EXPERIENCE**

2014- **Lecturer**, Dept. of Geography and Climatology, Faculty of Geology and Geoenvironment, UoA

2012-2014 **Postdoctoral Researcher**, Collaboration between the University of Athens and the University of Melbourne, Australia within the framework of the Action "Supporting Postdoctoral Researchers" of the Operational Program "Education and Lifelong Learning", co-financed by the European Social Fund (ESF) and the Greek State

2009-2012 **Postdoctoral Researcher**, Climate Change Assessments Group, Institute for Environmental Research and Sustainable Development (I.E.S.R.D.), National Observatory of Athens, Greece

2003-2012 **Postgraduate & Postdoctoral Researcher**, Dept. of Environmental Physics and Meteorology, Faculty of Physics, UoA

2002-2010 **Administrative Support** at the "Student Internship Support" program, Faculty of Physics, UoA

TEACHING EXPERIENCE

- 2015-2016** New appointments for the academic year 2015-2016:
 Co-teaching in **undergraduate courses** of the Faculty of Geology and Geoenvironment, UoA
- *Laboratories of Physics for Geologists*
- Co-teaching in courses of the **interuniversity postgraduate program in “Oceanography”**, Faculties of Biology, Geology and Geoenvironment, Physics and Chemistry, UoA
- *Databases and Statistical Analysis*
 - *Statistical Analysis of Geophysical Fluids*
- 2014-2016** Co-teaching in **undergraduate courses** of the Faculty of Geology and Geoenvironment, UoA
- *Climatology and Climate Change*
 - *Applied Climatology-Air Pollution-Paleoclimatology*
 - *Renewable Energy*
- Co-teaching in courses of the **postgraduate program “Geography and Environment”** of the Faculty of Geology and Geoenvironment, UoA
- *Atmospheric, geomorphological and oceanographic processes in geoenvironment*
 - *Analysis and management of anthropogenic and natural hazards*
 - *Methods of applied research in geosciences*
 - *Impacts and mitigation of climate change*
- 2014-2015** Participation in **PhD Advisory Committees:**
- Karali A., Thesis: *“Simulation and assessment of the potential risk of wildfires in regional and global scale. The role of climate change”*. Faculty of Geology and Geoenvironment, UoA (in progress)
 - Noutsis V., Thesis: *“Analytical and numerical methods of mathematical description of erosion processes”*. Faculty of Geology and Geoenvironment, UoA (in progress)
- Participation in **PhD Examination Committees:**
- Sifnioti D., Thesis: *“Study of the wave characteristics of the Greek seas in relation to the present and future atmospheric conditions and their impact on the coastal zone”*. Faculty of Geology and Geoenvironment, UoA (to be defended in September 2015)
- Participation in **MSc Advisory Committees:**
- Polychroni I., Thesis: *“Assessment of micro bioclimatic conditions within the Athens University Campus: In situ measurements and modelling”*. Faculty of Geology and Geoenvironment, UoA (defended in November 2014)
 - Tziamou, E., Thesis: *“Development of a methodology for urban climatic classification. The case of Attica”*. Faculty of Physics, UoA (defended in July 2015)
 - Bitsa, E., Thesis: *“Study of the vertical structure of cold-core and warm-core anticyclones in the Mediterranean”*. Faculty of Physics, UoA (to be defended in November 2015)
- 2004-2014** Participation in supervising 13 undergraduate and 6 postgraduate theses as postgraduate & postdoctoral researcher, Faculty of Physics, UoA

- 2009-2013** Teaching Appointments in the framework of **postgraduate course “Geological and Atmospheric Environment for infrastructure planning”**, Agricultural University of Athens, Greece:
- *Introduction in climatology and meteorology of atmospheric pollution*
 - *The role of large and synoptic scale circulation and of local flows in in the diffusion and dispersion of air pollutants*
 - *Wildfires*
- 2006-2008** Teaching at *Laboratories of Physics*, Technological Educational Institute of Halkida, Greece
- 2000-2008** Teaching at *Laboratories of Physics* and *Laboratories of Atmospheric Physics*, Faculty of Physics, UoA

RESEARCH ACTIVITIES

- Climatology of synoptic systems affecting the Mediterranean. Implementation of automated algorithm for identifying and tracking cyclones and anticyclones. Study of their kinematic properties and the dynamics of their formation.
- Climate and climate variability. Relationship of large-scale circulation with the regional climate. Implementation of advanced statistical methods towards exploring the spatiotemporal variations of climatic parameters in local, regional and global scale.
- Climate change impacts, adaptation and vulnerability assessments focused on the Mediterranean region.
- Climate extremes and their impacts in several aspects of the human activities.
- Evaluation and analysis of climate model outputs for the appraisal of future climate projections.
- Outdoor and indoor air quality and thermal comfort assessments. Participation in experimental campaigns.

PARTICIPATION IN RESEARCH PROJECTS

- 2013-2015 **ERACOBUILT** The square mile retrofit project. Funded by: GSRT, Greece
- 2012-2014 **Clim.A.Med.** A climatology of anticyclonic activity in the Mediterranean: tracks, vertical structure and dynamic. Funded by: GSRT, Greece
- 2011-2012 **CLIM-RUN** Climate Local Information in the Mediterranean region Responding to User Needs. Funded by: European Commission’s FP7
- 2010 **DeSurvey** – A Surveillance System for Assessing and Monitoring Desertification. Funded by: European Commission VI Framework Program Global Change and Ecosystems
- 2009-2011 **CIRCE** Integrated Project-Climate Change and Impact Research: the Mediterranean Environment. Funded by: European Commission’s FP6
- 2009-2010 **ENSEMBLES** - ENSEMBLE-based Predictions of Climate Changes and their Impacts. Funded by: European Commission’s FP6
- 2009 Impact of the Eastern Mediterranean teleconnection Pattern on the British Isles climate. Funded by: Special Account for Research Grants, NKUA
- 2007-2011 **ECATS** - Environmentally Compatible Air Transport System, Funded: European Commission’s FP6

- 2006 **SemClimMed** Impact du Changement Climatique sur la Flore Méditerranéenne et Actions de Conservation. Funded by: FEDER INTERREG III B Espace Méditerranée occidentale - MEDOCC
- 2005-2008 **Pythagoras II** – Study of atmospheric teleconnection patterns affecting eastern Mediterranean climate. Funded by: Ministry of Education, Greece
- 2005 **Pythagoras I** – Study of Indoor Air Quality in clinics, laboratories and operating rooms of Dentistry Faculty, NKUA. Funded by: Ministry of Education, Greece
- 2004 Indoor Air Quality assessment in the Air Traffic Control Tower of the Athens International Airport. Funded by: Hellenic Civil Aviation Authority, Environmental Protection Section
- 2003 Data analysis of volatile organic compounds from the greater Athens area. Funded by: Special Account for Research Grants, NKUA
- 2003 *Identification of air pollution sources and study on their removal in working areas of Hellenic Civil Aviation Authority personnel at the Control Tower of the Athens International Airport.* Funded by: Hellenic Civil Aviation Authority, Environmental Protection Section
- 2003 *Air quality measurements at the arrivals level of the Main Terminal Building of Athens International Airport.* Funded by: Athens International Airport

SCIENTIFIC COLLABORATIONS

2012-2013 Visitor as postdoctoral researcher at the School of Earth Sciences, University of Melbourne, Australia under the supervision of Prof. I. Simmonds within the framework of the Action “Supporting Postdoctoral Researchers” of the Operational Program “Education and Lifelong Learning”, co-financed by the European Social Fund (ESF) and the Greek State.

Project title: “*A climatology of anticyclonic activity in the Mediterranean: tracks, vertical structure and dynamics*”

Aug 2010 Guest visitor at the Center for Ocean-Land-Atmosphere Studies (COLA), Institute of Global Environment and Society (IGES), Maryland, USA.

Collaboration with Dr. R. Wu in studying *the relationship between the Mediterranean climate and the North Atlantic variations* & Invited seminar: “*Aspects of Mediterranean Climate*”

WORKSHOPS & MEETINGS

CLIM-RUN 2nd Governing Board, Barcelona, Spain, 20–22 March 2012

CLIM-RUN-WP6 1st Stakeholders Workshop Effects of Climate Change on Forest Fires and Forest Ecosystems, Athens, 28 September 2011

CIRCE Third Year General Assembly, Madrid, Spain, 17–19 March 2010

CIRCE RL11 technical meeting, Madrid, Spain, 16 March 2010

CIRCE RL11 technical meeting, Paris, France, 15–16 October 2009

ECATS Workshop on Coupling of models of different scales, Athens, 13–14 June 2007

ENSEMBLES RT8 Workshop on "Extreme Climate Events and Impacts", Riederalp, Switzerland, 29 January–2 February 2007

ENSEMBLES 2nd General Assembly (RT meetings 5–6 September), Athens, Greece, 5–9 September 2005

ENSEMBLES cross-cutting workshop on *Impacts studies and climate model outputs: synergies and challenges*, Evora, Portugal, 9–11 May 2005

ENSEMBLES RT4/RT5 Kick-off Meeting, Paris, France, 10–11 February 2005

SEMINARS

Advanced course on DESERTIFICATION FORECASTING IN THE MEDIUM TERM by the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), through the Mediterranean Agronomic Institute of Zaragoza (IAMZ), and the European Commission, through the DeSurvey Project (A Surveillance System for Assessing and Monitoring of Desertification; FP6 – Global Change and Ecosystems), Zaragoza, Spain, 18 to 23 January 2010

Conference on Teleconnections in the Atmosphere and Oceans, ICTP, Trieste, Italy, 17 to 20 November 2008

1st MedCLIVAR-ESF Summer School 2008 for post-graduate students on Climate Variability over the Mediterranean area: Atmospheric and Oceanic Components, Rhodes, 17 to 27 September 2008

13^o Summer School: 'Nonlinear Dynamics - Complexity and Chaos', Chania, 17 to 28 July 2000

ORGANIZING COMMITTEES

Organizing Committee of **MedCLIVAR 2016**, 26 – 30 September 2016, Athens

Organizing Committee of **11th Conference of Meteorology, Climatology and Atmospheric Physics (COMECAP) 2012**, 29 May – 1 June 2012, Athens

REVIEWER IN INTERNATIONAL SCIENTIFIC JOURNALS

- Advances in Geosciences
- Atmospheric Research
- Atmospheric Science Letters
- Climatic Change
- Climate Dynamics
- Fresenius Environmental Bulletin
- Global and Planetary Change
- International Journal of Climatology
- Journal of the American Water Resources Association
- Natural Hazards and Earth System Sciences
- Theoretical and Applied Climatology
- Regional Environmental Change

SCIENTIFIC ACADEMIC SOCIETIES

- Hellenic Meteorological Society
- American Geophysical Union
- European Geosciences Union

**SCHOLARSHIPS
& AWARDS**

- State Scholarships Foundation grants scholarship for postdoctoral research, 2010-2011
- State Scholarships Foundation grants scholarship for PhD studies, 2003–2007
- Young scientist best paper award, Hellenic Meteorological Society, 9th Conference of Meteorology, Climatology and Atmospheric Physics (COMECAP 2008), Thessaloniki, 28-31 May 2008

**FOREIGN
LANGUAGES**

- **English:** Level C2
- **Spanish:** Level C2
- **French:** Level B2

**COMPUTING
SKILLS**

- **IDL** Interactive Data Language & Software
- **R** Language and Software Environment
- **STATISTICA** Statistics and Analytics Software Package
- **SPSS** Statistics and Analytics Software Package
- **QGIS** Open Source Geographic Information System

PUBLICATIONS

1. PAPERS IN PEER REVIEW JOURNALS

- 1.1. **Hatzaki, M.**, H. Flocas, D. Asimakopoulos, C. Giannakopoulos, and P. Maheras, 2006: Study of future climatic variations of a teleconnection pattern affecting Eastern Mediterranean. *Global NEST Journal*, 8(3), 195–203.
- 1.2. **Hatzaki, M.**, H.A. Flocas, D.N. Asimakopoulos, and P. Maheras, 2007: The eastern Mediterranean teleconnection pattern: Identification and definition. *International Journal of Climatology*, 27, 727–737. doi:10.1002/joc.1429
- 1.3. **Hatzaki, M.**, P. Lingis, H.A. Flocas, S. Michaelides, and C. Oikonomou, 2008: The impact of an upper troposphere teleconnection pattern on precipitation extremes over Cyprus. *Advances in Geosciences*, 16, 131–136.
- 1.4. Oikonomou C., H.A. Flocas, **M. Hatzaki**, D.N. Assimakopoulos, and C. Giannakopoulos, C., 2008: Future changes in the occurrence of extreme precipitation events in Eastern Mediterranean. *Global NEST Journal*, 10(2), 254–261.
- 1.5. Helmis, C.G., V.D Assimakopoulos, H.A. Flocas, O. Stathopoulou, G. Sgouros, and **M. Hatzaki**, 2009: Indoor Air Quality assessment in the Air Traffic Control Tower of the Athens International Airport, Greece. *Environmental Monitoring and Assessment*, 148, 47–60. doi:10.1007/s10661-007-0138-9
- 1.6. **Hatzaki, M.**, H.A. Flocas, C. Giannakopoulos, and P. Maheras, 2009: The impact of the eastern Mediterranean teleconnection pattern on the Mediterranean climate. *Journal of Climate*, 22, 977–992. doi:10.1175/2008JCLI2519.1
- 1.7. Oikonomou, C., H.A. Flocas, **M. Hatzaki**, A. Nisantzi, and D.N. Asimakopoulos, 2010: Relationship of extreme dry spells in eastern Mediterranean with large-scale circulation. *Theoretical and Applied Climatology*, 100, 137–151. doi:10.1007/s00704-009-0171-4
- 1.8. **Hatzaki, M.**, H.A. Flocas, C. Oikonomou, and C. Giannakopoulos, 2010: Future changes in the relationship of intense precipitation events in eastern Mediterranean with large scale atmospheric circulation. *Advances in Geosciences*, 23, 31–36. doi:10.5194/adgeo-23-31-2010
- 1.9. Oikonomou, C., H.A. Flocas, G. Katavoutas, **M. Hatzaki**, D.N. Asimakopoulos and C. Zerefos, 2010: On the relationship of orography with extreme dry spells in Greece. *Advances in Geosciences*, 8, 1–6. doi:10.5194/adgeo-25-161-2010
- 1.10. Flocas, H.A., I. Simmonds, J. Kouroutzoglou, K. Keay, **M. Hatzaki**, V. Bricolas, and D.N. Asimakopoulos, 2010: On cyclonic tracks over the eastern Mediterranean, *Journal of Climate*, 23, 5243–5257. doi: 10.1175/2010JCLI3426.1
- 1.11. Flocas, H.A., **M. Hatzaki**, K. Tolika, C. Anagnostopoulou, E. Kostopoulou, C. Giannakopoulos, E. Kolokytha, and I. Tegoulas, 2011: Ability of RCM/GCM couples to represent the relationship of large scale circulation to climate extremes over the Mediterranean. *Climate Research*, 46, 197–209. doi:10.3354/cr00984
- 1.12. Kouroutzoglou, J., H.A. Flocas, K. Keay, I. Simmonds, and **M. Hatzaki**, 2011: Assessing characteristics of Mediterranean explosive cyclones for different data resolution. *Theoretical and Applied Climatology*, 105, 263–275. doi:263-27510.1007/s00704-010-0390-8
- 1.13. Kouroutzoglou, J., H.A. Flocas, K. Keay, and **M. Hatzaki**, 2011: Climatological aspects of explosive cyclones in the Mediterranean. *International Journal of Climatology*, 31, 1785–1802. doi:10.1002/joc.2203 published online 21 Jul 2010

- 1.14.** Giannakopoulos, C., P. LeSager, M. Moriondo, M. Bindi, A. Karali, **M. Hatzaki**, and E. Kostopoulou, 2012: Comparison of fire danger indices in the Mediterranean for present day conditions. *iForest*, 5, 197–203. doi:10.3832/ifer0622-005
- 1.15.** Kouroutzoglou, J., H.A. Flocas, K. Keay, I. Simmonds, and **M. Hatzaki**, 2012: On the vertical structure of Mediterranean explosive cyclones. *Theoretical and Applied Climatology*, 110, 155–176. doi:10.1007/s00704-012-0620-3
- 1.16.** Kostopoulou, E., C. Giannakopoulos, **M. Hatzaki**, and K. Tziotziou, 2012: Climate extremes in the NE Mediterranean: assessing the E-OBS dataset and regional climate simulations. *Climate Research*, 54, 249–270. doi:10.3354/cr01110
- 1.17.** Flocas, H.A., P. Kountouris, J. Kouroutzoglou, **M. Hatzaki**, K. Keay, and I. Simmonds, 2013: Vertical characteristics of cyclonic tracks over the eastern Mediterranean during the cold period of the year. *Theoretical and Applied Climatology*, 112, 375–388. doi:10.1007/s00704-012-0737-4
- 1.18.** Athanasopoulou, E., D. Rieger, C. Walter, H. Vogel, A. Karali, **M. Hatzaki**, E. Gerasopoulos, B. Vogel, C. Giannakopoulos, M. Gratsea, and A. Roussos, 2014: Fire risk, atmospheric chemistry and radiative forcing assessment of wildfires in eastern Mediterranean. *Atmospheric Environment*, 95, 113–125. doi:10.1016/j.atmosenv.2014.05.077
- 1.19.** **Hatzaki M.**, H.A. Flocas, I. Simmonds, J. Kouroutzoglou, K. Keay, and I. Rudeva, 2014: Seasonal aspects of an objective climatology of anticyclones affecting the Mediterranean, *Journal of Climate*, 27, 9272–9289. doi:10.1175/JCLI-D-14-00186.1
- 1.20.** Kouroutzoglou, J., H.A. Flocas, **M. Hatzaki**, K. Keay, and I. Simmonds, 2014: A high-resolution climatological study on the comparison between surface explosive and ordinary cyclones in the Mediterranean. *Regional Environmental Change*, 14, 1833–1846. doi:10.1007/s10113-013-0461-3, online 30 April 2013
- 1.21.** Karali, A., **M. Hatzaki**, C. Giannakopoulos, A. Roussos, G. Xanthopoulos, and V. Tenentes, 2014: Sensitivity and evaluation of current fire risk and future projections due to climate change: the case study of Greece. *Natural Hazards and Earth System Science*, 14, 143–153. doi:10.5194/nhess-14-1565-2014
- 1.22.** Kostopoulou E., C. Giannakopoulos, **M. Hatzaki**, A. Karali, P. Hadjinicolaou, J. Lelieveld, and M. A. Lange, 2014: Spatial and temporal patterns of recent and future climate extremes in the Eastern Mediterranean and Middle East region. *Natural Hazards and Earth System Science*, 14, 1565–1577. doi:10.5194/nhess-14-1565-2014
- 1.23.** Kouroutzoglou, J., H.A. Flocas, **M. Hatzaki**, K. Keay, I. Simmonds, and A. Mavroudis, 2015: On the dynamics of a case study of explosive cyclogenesis in the Mediterranean. *Meteorology and Atmospheric Physics*, 127, 49–73 doi:10.1007/s00703-014-0357-x
- 1.24.** **Hatzaki, M.** and R. Wu, 2015: The south-eastern Europe winter precipitation variability in relation to the North Atlantic SST. *Atmospheric Research*, 152, 61–68. <http://dx.doi.org/10.1016/j.atmosres.2013.10.008>, online 18 October 2013
- 1.25.** Kouroutzoglou, J., H.A. Flocas, **M. Hatzaki**, K. Keay, and I. Simmonds, 2015: Climatology of explosive cyclogenesis mechanisms in the Mediterranean, *Climate Dynamics*, submitted

TABLE OF IMPACT FACTORS (SOURCE: THOMPSON REUTERS JOURNAL CITATION REPORT 2013)

Journal	Number of Papers	Impact Factor
Journal of Climate	3	4.362
Atmospheric Environment	1	3.110
International Journal of Climatology	2	2.886
Climate Research	2	2.684

Atmospheric Research	1	2.200
Regional Environmental Change	1	1.945
Theoretical and Applied Climatology	4	1.759
Natural Hazards and Earth System Science	2	1.751
Environmental Monitoring and Assessment	1	1.592
Meteorology and Atmospheric Physics	1	1.327
iForest- Biogeosciences and Forestry	1	1.057
Global NEST Journal	2	0.698
Advances in Geosciences	3	-

2. BOOK CHAPTERS

- 2.1. Regional Assessment of Climate Change in the Mediterranean. Volume 3: Case Studies. Navarra, A. and L. Tubiana, Eds., *Advances in Global Change Research*, Volume 52, Springer, 2013. ISBN: 978-94-007-5768-4 (Print) 978-94-007-5769-1 (Online). Participation in chapters 1 to 5.
- 2.2. Giannakopoulos, C., E. Kostopoulou, P. Hadjinicolaou, **M. Hatzaki**, A. Karali, J. Lelieveld, and M.A. Lange, 2012: Impacts of climate change over the Eastern Mediterranean and Middle East region using the Hadley Centre PRECIS RCM. In.: Helmis, C.G., and P.T. Nastos (eds.), *Advances in Meteorology, Climatology and Atmospheric Physics*, Springer Atmospheric Science, pp 457–463. doi:10.1007/978-3-642-29172-2_65, Springer-Verlag Berlin Heidelberg 2012
- 2.3. **Hatzaki, M.**, and R. Wu, 2012: Relationship of south-eastern Europe winter precipitation with North Atlantic SST. In.: Helmis, C.G., and P.T. Nastos (eds.), *Advances in Meteorology, Climatology and Atmospheric Physics*, Springer Atmospheric Science, pp 479–486. doi:10.1007/978-3-642-29172-2_68, Springer-Verlag Berlin Heidelberg 2012
- 2.4. Karali, A., A. Roussos, C. Giannakopoulos, **M. Hatzaki**, G. Xanthopoulos, and K. Kaoukis, 2012: Evaluation of the Canadian fire weather index in Greece and future climate projections. In.: Helmis, C.G., and P.T. Nastos (eds.), *Advances in Meteorology, Climatology and Atmospheric Physics*, Springer Atmospheric Science, pp 501–508. doi:10.1007/978-3-642-29172-2_71, Springer-Verlag Berlin Heidelberg 2012
- 2.5. Kostopoulou, E., C. Giannakopoulos, **M. Hatzaki**, A. Karali, P. Hadjinicolaou, J. Lelieveld, and M. A. Lange, 2012: Assessment of climate change extremes over the Eastern Mediterranean and Middle East region using the Hadley Centre PRECIS Regional Climate Model. In.: Helmis, C.G., and P.T. Nastos (eds.), *Advances in Meteorology, Climatology and Atmospheric Physics*, Springer Atmospheric Science, pp 547–554. doi:10.1007/978-3-642-29172-2_78, Springer-Verlag Berlin Heidelberg 2012
- 2.6. Kouroutzoglou, J., H.A. Flocas., **M. Hatzaki**, K. Keay, and I. Simmonds, 2012: On the dynamics of Mediterranean explosive cyclogenesis. In.: Helmis, C.G., and P.T. Nastos (eds.), *Advances in Meteorology, Climatology and Atmospheric Physics*, Springer Atmospheric Science, pp 563–570. doi:10.1007/978-3-642-29172-2_80, Springer-Verlag Berlin Heidelberg 2012

3. PEER REVIEWED PAPERS IN INTERNATIONAL CONFERENCE PROCEEDINGS

- 3.1. **Hatzaki, M.**, H. Flocas, Ch. Giannakopoulos, D. Asimakopoulos, P. Maheras, 2005: Study of future climatic variations of a teleconnection pattern affecting Eastern Mediterranean, *9th International Conference on Environmental Science and Technology, Rhodes, 1–3 September 2005*, Rhodes, Greece
- 3.2. **Hatzaki, M.**, H.A. Flocas, and P. Maheras, 2006: Future changes of an upper troposphere teleconnection pattern impact on the Mediterranean climate, *Protection and Restoration of the Environment VIII, Chania, 3-6 July 2006*. Book of abstracts, pp. 535-536.
- 3.3. Oikonomou, Ch., H.A. Flocas, **M. Hatzaki**, D.A. Asimakopoulos, C. Giannakopoulos, 2007: Future changes in the occurrence of extreme precipitation events in Eastern Mediterranean, Greece, *International Conference on Environmental Science and Technology, Cos, Greece, 5–7 Sep 2007*, proceedings A pp. 1053-1060.
- 3.4. **Hatzaki, M.**, H.A. Flocas, P. Maheras, and D.N. Asimakopoulos, 2008: Dynamic study of the Eastern Mediterranean pattern. *9th International Conference on Meteorology, Climatology and Atmospheric Physics, 28-31 May 2008, Thessaloniki, Greece*. Proceedings, pp. 545–552.
- 3.5. Flocas, H.A., J. Kouroutzoglou, K. Keay, and **M. Hatzaki**, 2009: Cyclonic tracks over Eastern Mediterranean in the present climate. *11th Conference on Environmental Science and Technology, Chania, Greece, 3-5 September 2009*, Proceedings A pp. 312-319.
- 3.6. Flocas H.A., and **M. Hatzaki**, 2009: Climatic variability in eastern Mediterranean: dynamic mechanisms and impact on regional climate. *5th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '09), Vouliagmeni, Athens, Greece, 28-30 September 2009, Invited presentation*. In Proc: Mastorakis, N., C. Helmis, C.D. Papagerogiou, C.A. Bulukea, and T. Panagopoulos, Eds., Proceedings of the EEESD 09. Energy and Environmental Engineering Series. WSEAS Press, ISBN 978-960-474-125-0, pp. 113-115.
- 3.7. Giannakopoulos, C., **M. Hatzaki**, E. Kostopoulou, M. McCarthy, and C. Goodess, 2010: The impact of climate change and urban heat islands on the occurrence of extreme events in cities: The Athens case. *10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patra, Greece, 25-28 May 2010*. In Proc.: Argiriou, A.A. and A.J. Kazantzidis, Eds., Proceedings of 10th COMECAP 2010, Climatology, pp. 745-752.
- 3.8. **Hatzaki, M.**, H.A. Flocas, K. Tolika, and C. Anagnostopoulou, 2010: The impact of the Eastern Mediterranean teleconnection Pattern on temperature and precipitation regimes over north-western Europe. *10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patra, Greece, 25-28 May 2010*. In Proc.: Argiriou, A.A. and A.J. Kazantzidis, Eds., Proceedings of 10th COMECAP 2010, Climatology, pp. 753-760.
- 3.9. Kostopoulou, E., C. Giannakopoulos, **M. Hatzaki**, and K. Tziotziou, 2010: Reliability of ensembles gridded observational dataset and six ensembles regional climate models to estimate climate extremes over the Balkan Peninsula. *10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patra, Greece, 25-28 May 2010*. In Proc.: Argiriou, A.A. and A.J. Kazantzidis, Eds., Proceedings of 10th COMECAP 2010, Climatology, pp. 729-736.
- 3.10. Kouroutzoglou, I., H.A. Flocas, I. Simmonds, K. Keay, **M. Hatzaki**, 2010: Dynamic aspects of explosive cyclones in the Mediterranean. *10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patra, Greece, 25-28 May 2010*. In Proc.: Argiriou, A.A. and A.J. Kazantzidis, Eds., Proceedings of 10th COMECAP 2010, Climatology, pp. 776–784
- 3.11. Giannakopoulos, C., **M. Hatzaki**, E. Kostopoulou, K. Varotsos, B.E. Psiloglou, and D. Founda, 2011: Estimating future impacts for various sectors due to climate change in Athens, *Conference on Environmental Science and Technology, 8 - 10 September 2011, Rhodes island, Greece*. SRCosmos Proceedings pp. B351-B358

- 3.12.** Giannakopoulos, C., A. Karali, A. Roussos, **M. Hatzaki**, G. Xanthopoulos, and K. Kaoukis, 2011: Evaluating present and future fire risk in Greece. *8th International EARSeL FF-SIG Workshop, 20-21 October 2011, Stressa, Italy*. In Proc: San-Miguel Ayanz, J., I. Gitas, A. Camia, and S. Oliveira, Eds., *Advances in Remote Sensing and GIS applications in Forest Fire Management From local to global assessments*, Publications Office of the European Union, Luxembourg, pp. 181–185
- 3.13.** Kouroutzoglou, J., H.A. Flocas, **M. Hatzaki**, K. Keay, I. Simmonds, and A. Mavroudis, 2013: Identification of the development mechanisms of an explosive cyclone in Central Mediterranean with the aid of the MSG satellite images. *First International Conference on Remote Sensing and Geoinformation 2013, 8-10 April 2013, Paphos, Cyprus*. In Proc.: Hadjimitsis, D.G, K. Themistocleous, S. Michaelides, and G. Papadavid, Eds., *SPIE Proceedings Vol. 8795*, pp. 9. doi: 10.1117/12.2027584.
- 3.14.** **Hatzaki, M.**, H.A. Flocas, I. Simmonds, J. Kouroutzoglou, K. Keay, and I. Rudeva, 2014: Migratory anticyclones affecting the Mediterranean: climatological characteristics and links with modes of atmospheric variability. *12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014, 28 May-31 May 2014, Heraklion, Greece* In Proc.: Kanakidou, M., N. Mihalopoulos, and P. Nastos (eds.), Volume 1, e-book of proceedings, ISBN-978-960-524-430-9, pp. 367-371.
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