

Βιογραφικό Σημείωμα

Γενικά Στοιχεία

Όνοματεπώνυμο : Χρήστος Ματσούκας
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Εκπαίδευση

1989-1994 Πτυχίο Φυσικής του Αριστοτέλειου Πανεπιστημίου Θεσσαλονίκης
1994-2000 Διδακτορικό Δίπλωμα από το τμήμα Πολιτικών Μηχανικών και Μηχανικών Περιβάλλοντος του University of Cincinnati. Τίτλος διατριβής: "Precipitation Estimation and Forecast Using Radar and Rain Gage Measurements with Artificial Neural Networks"

Επαγγελματική Εμπειρία

9/1995 – 9/1998 Βοηθός ερευνητής στο University of Cincinnati με υποτροφία της NASA στο πρόγραμμα "Earth System Science Fellowship"
1/2001 – 7/2001 Υπεύθυνος διδασκαλίας του μαθήματος "Ατμοσφαιρική Ρύπανση" στο Πρόγραμμα Σπουδών Επιλογής "Διαχείριση Αγροτικού Περιβάλλοντος και Φυσικών Πόρων" του Πανεπιστημίου Θεσσαλίας
11/2001 – 6/2005 Μεταδιδακτορικός ερευνητής στο Εργαστήριο Περιβαλλοντικών Ερευνών του Ινστιτούτου Ηλεκτρονικής Δομής και Λείζερ (Ι.Η.Δ.Λ.) του Ιδρύματος Τεχνολογίας και Έρευνας (Ι.Τ.Ε.)
9/2002 – 9/2005 Διδάσκων Π.Δ. 407 του τμήματος Φυσικής του Πανεπιστημίου Κρήτης
6/2005 – 9/2005 Επισκέπτης επιστήμονας στο Climate Monitoring Satellite Application Facility (CMSAF) της Γερμανικής Μετεωρολογικής Υπηρεσίας (DWD), στο Offenbach, Γερμανία
10/2005 – 3/2006 Διδάσκων Π.Δ. 407 του τμήματος Περιβάλλοντος του Πανεπιστημίου Αιγαίου
7/2005 – 12/2007 Συνεργαζόμενος ερευνητής στο Εργαστήριο Περιβαλλοντικών Ερευνών του Ινστιτούτου Ηλεκτρονικής Δομής και Λείζερ (Ι.Η.Δ.Λ.) του Ιδρύματος Τεχνολογίας και Έρευνας (Ι.Τ.Ε.)
4/2012 – 6/2012 Επισκέπτης επιστήμονας στο Max Planck Institute for Meteorology, στο Αμβούργο, Γερμανία
3/2006 – Παρόν Επίκουρος Καθηγητής στο Τμήμα Περιβάλλοντος του Πανεπιστημίου Αιγαίου

Ερευνητικά Ενδιαφέροντα

- Μοντελοποίηση της διάδοσης ακτινοβολίας στην ατμόσφαιρα
 - Χωροχρονική περιγραφή βροχοπτώσεων
 - Ισοζύγιο ενέργειας της θάλασσας, αλληλεπίδραση ωκεανού/ατμόσφαιρας
 - Η επίδραση του ανθρώπου στο πλανητικό ενεργειακό ισοζύγιο, κλιματική αλλαγή
-

Δημοσιεύσεις σε περιοδικά με κριτές

1. **C. Matsoukas**, S. Islam, R. Kothari: "Fusion of radar and rain gage measurements for an accurate estimation of rainfall", *J. Geophys. Res.-Atmos.*, 104 (D24), 31437-31450, 1999
2. **C. Matsoukas**, S. Islam, I. Rodriguez-Iturbe: "Detrended fluctuation analysis of rainfall and streamflow time series", *J. Geophys. Res.-Atmos.*, 105 (D23), 29165-29172, 2000
3. K. G. Pavlakis, D. Hatzidimitriou, **C. Matsoukas**, E. Drakakis, N. Hatzianastassiou, I. Vardavas: "Ten-year global distribution of downwelling longwave radiation", *Atmos. Chem. Phys.*, 4: 127-142, 2004
4. N. Hatzianastassiou, **C. Matsoukas**, D. Hatzidimitriou, K. G. Pavlakis, E. Drakakis, and I. Vardavas: "Ten year radiation budget of the Earth: 1984-1993", *Int. J. Climatol.*, 24: 1785-1802, 2004
5. N. Hatzianastassiou, A. Fotiadi, **C. Matsoukas**, E. Drakakis, K. G. Pavlakis, D. Hatzidimitriou, I. Vardavas: "Long-term global distribution of Earth's shortwave radiation budget at the top of the atmosphere", *Atmos. Chem. Phys.*, 4: 1217-1235, 2004
6. D. Hatzidimitriou, I. Vardavas, K. G. Pavlakis, N. Hatzianastassiou, **C. Matsoukas**, E. Drakakis: "On the decadal increase in the tropical mean outgoing longwave radiation for the period 1984-2000", *Atmos. Chem. Phys.*, 4: 1419-1425, 2004
7. A. Fotiadi, N. Hatzianastassiou, **C. Matsoukas**, K. G. Pavlakis, E. Drakakis, D. Hatzidimitriou, I. Vardavas: "Analysis of the decrease in the tropical mean outgoing shortwave radiation at the top of the atmosphere for the period 1984-2000", *Atmos. Chem. Phys.*, 5: 1721-1730, 2005
8. N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, K. G. Pavlakis, E. Drakakis, D. Hatzidimitriou, I. Vardavas: "Global distribution of Earth's surface shortwave radiation budget", *Atmos. Chem. Phys.*, 5: 2847-2867, 2005
9. **C. Matsoukas**, A. C. Banks, N. Hatzianastassiou, K. G. Pavlakis, D. Hatzidimitriou, E. Drakakis, P. W. Stackhouse, I. Vardavas: "Seasonal heat budget of the Mediterranean Sea", *J. Geophys. Res.-Oceans*, 110, C12008, doi:10.1029/2004JC002566, 2005
10. A. Fotiadi, N. Hatzianastassiou, P. W. Stackhouse Jr., **C. Matsoukas**, E. Drakakis, K. G. Pavlakis, D. Hatzidimitriou, I. Vardavas: "Spatial and temporal distribution of long-term solar surface radiation budget over Greece", *Q. J. Roy. Meteor. Soc.*, 132, No. 621, 2693-2718, 2006
11. A. Fotiadi, N. Hatzianastassiou, E. Drakakis, **C. Matsoukas**, K. G. Pavlakis, D. Hatzidimitriou, E. Gerasopoulos, N. Mihalopoulos, and I. Vardavas: "Aerosol physical and optical properties in the Eastern Mediterranean Basin, Crete, from Aerosol Robotic Network data", *Atmos. Chem. Phys.*, 6: 5399-5413, 2006
12. N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, E. Drakakis, P. W. Stackhouse, P. Koepke, K. G. Pavlakis, D. Hatzidimitriou and I. Vardavas:

- “Modelling the direct effect of aerosols in the solar near-infrared on a planetary scale”, *Atmos. Chem. Phys.*, 7, 3211-3229, 2007
13. K. G. Pavlakis, D. Hatzidimitriou, E. Drakakis, **C. Matsoukas**, A. Fotiadi, N. Hatzianastassiou, and I. Vardavas: “ENSO surface longwave radiation forcing over the tropical Pacific”, *Atmos. Chem. Phys.*, 7, 2013-2026, 2007
 14. N. Hatzianastassiou, **C. Matsoukas**, E. Drakakis, P. W. Stackhouse, P. Koepke, A. Fotiadi, K. G. Pavlakis, and I. Vardavas: “The direct effect of aerosols on solar radiation based on satellite observations, reanalysis datasets, and spectral aerosol optical properties from Global Aerosol Data Set (GADS)”, *Atmos. Chem. Phys.*, 7, 2585-2599, 2007
 15. **C. Matsoukas**, A. C. Banks, K. G. Pavlakis, N. Hatzianastassiou, P. W. Stackhouse, I. Vardavas: “Seasonal heat budget of the Red and Black Seas”, *J. Geophys. Res.-Oceans*, 112, C10017, doi:10.1029/2006JC003942, 2007
 16. K. G. Pavlakis, N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, I. Vardavas: “ENSO surface shortwave radiation forcing over the Pacific”, *Atmos. Chem. Phys.*, 8, 5565-5577, 2008
 17. **C. Matsoukas**, A. C. Banks, K. G. Pavlakis, N. Hatzianastassiou, P. W. Stackhouse Jr., I. Vardavas: “Reply to comment by Kara and Barron on ‘Seasonal heat budgets of the Red and Black Seas’”, *J. Geophys. Res.-Oceans*, 113, C12009, doi:10.1029/2008JC004917, 2008
 18. R. Mueller, **C. Matsoukas**, A. Gratzki, H. D. Behr, R. Hollmann: “The CM-SAF operational scheme for the satellite based retrieval of solar surface irradiance - a LUT based eigenvector hybrid approach”, *Remote Sens. Environ.*, 113(5), 1012-1024, doi:10.1016/j.rse.2009.01.012, 2009
 19. **C. Matsoukas**, N. Hatzianastassiou, A. Fotiadi, K. G. Pavlakis, I. Vardavas: “The effect of Arctic sea-ice extent on the absorbed (net) solar flux at the surface, based on ISCCP-D2 cloud data for 1983–2007”, *Atmos. Chem. Phys.*, 10, 777-787, 2010
 20. **C. Matsoukas**, N. Benas, N. Hatzianastassiou, K. G. Pavlakis, M. Kanakidou, I. Vardavas: “Potential evaporation trends over land between 1983–2008: Driven by radiative fluxes or vapour-pressure deficit?”, *Atmos. Chem. Phys.*, 11, 7601-7616, 2011
 21. N. Benas, N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, N. Mihalopoulos, I. Vardavas: “Aerosol shortwave daily radiative effect and forcing based on MODIS Level 2 data in the Eastern Mediterranean (Crete)”, *Atmos. Chem. Phys.*, 11, 12647-12662, 2011
 22. N. Hatzianastassiou, C. D. Papadimas, **C. Matsoukas**, K. Pavlakis, A. Fotiadi, M. Wild, I. Vardavas: “Recent regional surface solar radiation dimming and brightening patterns: inter-hemispherical asymmetry and a dimming in the Southern Hemisphere”, *Atmos. Sci. Lett.*, doi: 10.1002/asl.361, 2012
 23. C. D. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, M. Kanakidou, N. Mihalopoulos, I. Vardavas: “The direct effect of aerosols on solar radiation over the broader Mediterranean basin”, *Atmos. Chem. Phys.*, 12, 7165-7185, 2012
 24. C. A. Randles, S. Kinne, G. Myhre, M. Schulz, P. Stier, J. Fischer, L. Doppler, E. Highwood, C. Ryder, B. Harris, J. Huttunen, Y. Ma, R. T. Pinker, B. Mayer, D. Neubauer, R. Hitzenberger, L. Oreopoulos, D. Lee, G. Pitari, G. Di Genova, J. Quaas, Fred G. Rose, S. Kato, S. T. Rumbold, I. Vardavas, N. Hatzianastassiou, **C. Matsoukas**, H. Yu, F. Zhang, H. Zhang, P. Lu: “Intercomparison of shortwave radiative transfer schemes in global aerosol modeling: results from the AeroCom Radiative Transfer Experiment”, *Atmos. Chem. Phys.*, 13, 2347-2379, doi:10.5194/acp-13-2347-2013, 2013
 25. V. Pappas, N. Hatzianastassiou, C. Papadimas, **C. Matsoukas**, S. Kinne, I. Vardavas: “Evaluation of spatio-temporal variability of Hamburg Aerosol

- Climatology against aerosol datasets from MODIS and CALIOP”, *Atmos. Chem. Phys.*, 13, 8381-8389, doi:10.5194/acp-13-8381-2013, 2013
26. N. Cleridou, N. Benas, **C. Matsoukas**, B. Croke, I. Vardavas : “Water resources of Cyprus under changing climatic conditions: Modelling approach, validation and limitations”, *Environ. Modell. Softw.*, 60, 202-218, 2014
27. M. Pyrina, N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, C. D. Papadimas, K. G. Pavlakis, I. Vardavas: “Cloud effects on the solar and thermal radiation budgets of the Mediterranean basin”, *Atmos. Res.*, 152, 14-28, 2015
28. M. B. Korras-Carraca, N. Hatzianastassiou, **C. Matsoukas**, A. Gkikas, C. D. Papadimas: “The regime of aerosol asymmetry parameter over Europe, the Mediterranean and the Middle East based on MODIS satellite data: evaluation against surface AERONET measurements”, *Atmos. Chem. Phys.*, 15, 13113–13132, 2015
29. E. Triantafyllou, M. Giamarelou, E. Bossioli, P. Zampas, C. Theodosi, **C. Matsoukas**, M. Tombrou, N. Mihalopoulos, G. Biskos : “Particulate pollution transport episodes from Eurasia to a remote region of northeast Mediterranean”, *Atmos. Environ.*, 128, 45–52, 2016
30. A. A. Floutsi, M. B. Korras-Carraca, **C. Matsoukas**, N. Hatzianastassiou, G. Biskos : “Climatology and trends of aerosol optical depth over the Mediterranean basin during the last 12 years (2002–2014) based on Collection 006 MODIS-Aqua data ”, *Sci. Total Environ.*, 551-552, 292-303, doi: 10.1016/j.scitotenv.2016.01.192, 2016
31. A. Lázaro, A. Chroni, T. Tscheulin, J. Devalez, **C. Matsoukas**, T. Petanidou : “Electromagnetic radiation of mobile telecommunication antennas affects the abundance and composition of wild pollinators”, *J. Insect Conserv.*, doi: 10.1007/s10841-016-9868-8, 2016
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Δημοσιεύσεις σε περιοδικά χωρίς κριτές

Z. Hu, S. Islam and **C. Matsoukas**: "Relationships between spin-up time and the time scale of forcing data", *GEWEX News*, Vol. 6, No. 1, 1996

Συνέδρια

11 – 15 Δεκεμβρίου 1995, *AGU Fall Meeting, San Francisco, California, U.S.A.*

- 1) **C. Matsoukas**, Z. Hu and S. Islam: "On the relationship between spin-up processes and time scale of forcing data for land surface models", *Eos Trans.*, 76(46), Fall Meet. Suppl., p. 92, 1995

20 – 24 Μαΐου 1996, *AGU Spring Meeting, Baltimore, Maryland, U.S.A.*

- 2) **C. Matsoukas**, S. Islam and R. Kothari.: "Fusion of raingauge and radar measurements for an accurate estimation of rainfall"

2 – 7 Φεβρουαρίου 1997, *77th AMS Annual Meeting and Exhibition, American Meteorological Society, Long Beach, California, U.S.A.*

- 3) **C. Matsoukas**, S. Islam and R. Kothari: "Multisensor fusion of precipitation measurements",

29 Ιουνίου – 1 Ιουλίου 1999, Sixth International Conference on Precipitation: Predictability of Rainfall at the Various Time Scales, Hawaii, U.S.A.

- 4) **C. Matsoukas**, S. Islam and R. Kothari: "Intercomparison of cokriging and artificial neural network for the multi-sensor estimation of rainfall"

25 – 28 Σεπτεμβρίου 2002, 6th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece

- 5) N. Hatzianastassiou, **C. Matsoukas**, D. Hatzidimitriou, K. Pavlakis, E. Drakakis, I. Vardavas, "Global shortwave radiation budget"
6) K. Pavlakis, D. Hatzidimitriou, N. Hatzianastassiou, E. Drakakis, **C. Matsoukas**, I. Vardavas: "The Earth's longwave radiation budget"
7) **C. Matsoukas**, E. Drakakis, K. Pavlakis, N. Hatzianastassiou, D. Hatzidimitriou, I. Vardavas: "Validation of a radiation transfer model against downward longwave flux GEBA/BSRN measurements"

28 - 30 Σεπτεμβρίου 2004, 7th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, Cyprus

- 8) A. Fotiadi, G. Habilomatis, **C. Matsoukas**, K. G. Pavlakis, E. Drakakis, D. Hatzidimitriou, N. Hatzianastassiou, and I. Vardavas: "The Surface Shortwave Radiation Budget over the broader Greek area for the period 1984-2000"

24 – 29 Απριλίου 2005, European Geosciences Union, General Assembly 2005, Vienna, Austria

- 9) **C. Matsoukas**, A.C. Banks, N. Hatzianastassiou, I. Vardavas: "The seasonal energy budgets of the Mediterranean and Red Seas"
10) I. Vardavas, **the ESRB team**: "The Earth's radiation budget on a daily 1x1 degree resolution from the ESRB project"

2 – 7 Απριλίου 2006, European Geosciences Union, General Assembly 2006, Vienna, Austria

- 11) A. Fotiadi, E. Drakakis, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas "Aerosol properties in the eastern Mediterranean based on the AERONET station at FORTH/Crete"
12) **C. Matsoukas**, K. G. Pavlakis, N. Hatzianastassiou, E. Drakakis, A. Fotiadi, D. Hatzidimitriou, P. W. Stackhouse, I. Vardavas: "Global distribution of 10-year daily mean shortwave and longwave radiation at one degree spatial resolution"
13) N. Hatzianastassiou, **C. Matsoukas**, A. Fotiadi, I. Vardavas: "Modelling the direct effect of aerosols on near-infrared solar radiation on a global scale"

24 – 26 Μαΐου 2006, 8th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, Athens, Greece

- 14) N. Hatzianastassiou, A. Fotiadi, C. Papadimas, **C. Matsoukas**, M. Drakakis, D. Hatzidimitriou, I. Vardavas: "Study of aerosol radiation forcing over the Eastern Mediterranean"

- 15) A. Fotiadi, N. Hatzianastassiou, M. Drakakis, **C. Matsoukas**, K. Pavlakis, D. Hatzidimitriou, N. Mihalopoulos, I. Vardavas: "Study of the aerosol optical properties in Crete (Eastern Mediterranean)"
- 16) **C. Matsoukas**, S. Kazadzis, A. Kazantzidis, N. Hatzianastassiou, I. Vardavas, A. Bais: "Comparison of calculated UV solar irradiance values from FORTH model with spectral measurements and results from LibRadtran model"

15 – 20 Απριλίου 2007, European Geosciences Union, General Assembly 2007, Vienna, Austria

- 17) **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Multiyear global analysis of the aerosol direct radiative effect from satellite TOMS data"
- 18) N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: "Modelling the direct effect of aerosols on solar radiation based on satellite observations, reanalysis datasets, and spectral aerosol optical properties from Global Aerosol Data Set (GADS)"

28 – 31 Μαΐου 2008, 9th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, Thessaloniki, Greece

- 19) C. D. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, and I. Vardavas: "Aerosol forcing on the solar energy budget over the greater area of Greece for the period 2000 – 2005"
- 20) A. Fotiadi, N. Hatzianastassiou, M. Drakakis, **C. Matsoukas**, K. Pavlakis, C. Papadimas, I. Vardavas: "Study of fine and coarse mode aerosol events from AERONET station data in Crete (Eastern Mediterranean) over the period 2003-2006"

24 – 29 Αυγούστου 2008, European Aerosol Conference (EAC 2008), Thessaloniki, Greece

- 21) A. Fotiadi, N. Hatzianastassiou, N. Benas, **C. Matsoukas**, and I. Vardavas: "Aerosol solar radiative effect during fine and coarse aerosol events in the Eastern Mediterranean (Crete)"

26 – 29 Μαρτίου 2009, 8th Environmental Conference of the Greek Physicists Union, Heraklion, Crete, Greece

- 22) N. Benas, N. Cleridou, C. Papadimas, A. Fotiadi, K. Pavlakis, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Energy budget of the solar and terrestrial radiation at the Earth's surface"

13 – 18 Απριλίου 2009, European Geosciences Union, General Assembly 2009, Vienna, Austria

- 23) D. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, and I. Vardavas: "Aerosol direct radiative effect on solar radiation on planetary scale based on 7-year spectral aerosol optical properties from MODIS"
- 24) N. Hatzianastassiou, C. D. Papadimas, **C. Matsoukas**, K. Pavlakis, A. Fotiadi, M. Wild, and I. Vardavas: " Long-term changes of aerosol optical and radiative properties and their role in global dimming and brightening ", European Geosciences Union

6 – 11 Σεπτεμβρίου 2009, *European Aerosol Conference (EAC 2009), Karlsruhe, Germany*

- 25) C. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, and I. Vardavas: “Comparison between MODIS and GADS aerosols asymmetry factor on a planetary scale”

2 – 4 November 2009, *International workshop on Atmospheric Composition Changes: Climate-Chemistry Interactions, Lecce, Italy*

- 26) N. Hatzianastassiou, C. Papadimas, **C. Matsoukas**, I. Vardavas: “The direct effect of aerosols on solar radiation in the dawn of the 21st century, its changes and their role for global dimming and brightening”

2 – 7 Μαΐου 2010, *European Geosciences Union, General Assembly 2010, Vienna, Austria*

- 27) C. D. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: “Anthropogenic aerosols over southern Europe and their direct effect on solar radiation”

25 – 28 Μαΐου 2010, *10th International Conference on Meteorology, Climatology and Atmospheric Physics, Patras, Greece*

- 28) V. Pappas, N. Hatzianastassiou, C. Papadimas, **C. Matsoukas**, S. Kinne, I. Vardavas: “Spatial and temporal variability of the vertical distribution of aerosols and its direct effect on solar radiation for the Mediterranean Basin”
29) C. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: “The direct effect of anthropogenic aerosols on solar radiation over the broader Mediterranean Region”

3 – 8 Απριλίου 2011, *European Geosciences Union, General Assembly 2011, Vienna, Austria*

- 30) N. Hatzianastassiou, C. Papadimas, **C. Matsoukas**, A. Fotiadi, K. Pavlakis, M. Wild, I. Vardavas: “Patterns of surface solar radiation dimming and brightening at the turn of 21st century”
31) C. Papadimas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: “The effect of clouds on shortwave radiation over the Mediterranean basin based on recent satellite data”

22 – 27 Απριλίου 2012, *European Geosciences Union, General Assembly 2012, Vienna, Austria*

- 32) V. Pappas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: “Vertical distributions of aerosols and clouds over the greater Mediterranean basin using CALIOP observations”
33) N. Hatzianastassiou, C. D. Papadimas, **C. Matsoukas**, K. Pavlakis, A. Fotiadi, M. Wild, I. Vardavas: “Features and causes of recent surface solar radiation dimming and brightening patterns”

30 Μαΐου – 1 Ιουνίου 2012, *11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens, Greece*

- 34) M. Pyrina, C. D. Papadimas, A. Fotiadi, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Cloud radiative effects on solar radiation over the eastern Mediterranean basin from 1984 to 2007"

06 – 10 Αυγούστου 2012, International Radiation Symposium 2012, Berlin, Germany

- 35) N. Hatzianastassiou, T. Kyrtzidis, C. Papadimas, **C. Matsoukas**, M. Wild, I. Vardavas: "Solar dimming and brightening in the second half of 20th century based on ERA-40 Reanalysis Project"

04-07 Οκτωβρίου 2012, 6th Congress of the Hellenic Ecological Society, University of Athens campus, Athens

- 36) A. Chroni, T. Tscheulin, **C. Matsoukas**, T. Petanidou: "Impact of electromagnetic radiation of mobile telecommunication antennas on biodiversity: the case of pollinators"

07-12 Απριλίου 2013, European Geosciences Union, General Assembly 2013, Vienna, Austria

- 37) V. Pappas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: "Aerosol effect on atmospheric heating rates in the Mediterranean region using vertically resolved satellite aerosol data"
- 38) C. Papadimas, A. Gkikas, N. Hatzianastassiou, **C. Matsoukas**, S. Kazadzis, S. Basart, J. Baldasano, I. Vardavas: "Dust radiative effect over Europe, Mediterranean, Sahara and Middle East from a radiative transfer model using BSC-DREAM8b aerosol optical data"

06-09 Σεπτεμβρίου 2013, Royal Meteorological Society Student Conference, Reading, U.K.

- 39) M. Korras-Carraca, V. Pappas, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Aerosol effects on atmospheric heating/cooling rates on global scale using vertically resolved satellite aerosol data"

27 Απριλίου – 2 Μαΐου 2014, European Geosciences Union, General Assembly 2014, Vienna, Austria

- 40) M. B. Korras Carraca, V. Pappas, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Global profiles of the direct aerosol effect using vertically resolved aerosol data"
- 41) N. Hatzianastassiou, C. D. Papadimas, A. Gkikas, **C. Matsoukas**, A. M. Sayer, N. C. Hsu, I. Vardavas: "Aerosol radiative effects over global arid and semi-arid regions based on MODIS Deep Blue satellite observations"

28-31 Μαΐου 2014, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, Heraklion, Greece

- 42) M. B. Korras-Carraca, V. Pappas, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Aerosol forcing efficiency from the FORTH radiative transfer model with CALIOP AOD vertical profiles"
- 43) N. Benas, **C. Matsoukas**, A. Fotiadi, N. Hatzianastassiou, K. Pavlakis, I. Vardavas: "The aerosol effect on potential evaporation at the Athens main water supply reservoirs"

- 44) M. B. Korras-Carraca, V. Pappas, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Aerosol effect on atmospheric heating rate profiles using vertically resolved satellite aerosol data"
- 45) V. Pappas, N. Hatzianastassiou, **C. Matsoukas**, I. Vardavas: "Sensitivity of the atmospheric heating/cooling rate profile to the vertical distribution of aerosols"
- 46) M. Pyrina, C. D. Papadimas, A. Fotiadi, K. Pavlakis, **C. Matsoukas**, N. Hatzianastassiou, I. Vardavas: "Cloud effects on tropical longwave radiation budget"

12-17 Απριλίου 2015, European Geosciences Union, General Assembly 2015, Vienna, Austria

- 47) A. Floutsi, M. Korras-Carraca, **C. Matsoukas**, G. Biskos, "The regime of aerosol optical depth over Central Asia based on MODIS Aqua Deep Blue data "
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