

ΠΛΗΡΟΦΟΡΙΕΣ ΕΠΙΚΟΙΝΩΝΙΑΣ

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ΠΡΟΣΩΠΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

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ΣΠΟΥΔΕΣ

- 2005 – 2006 **Μεταδιδακτορική Ερευνήτρια (Postdoctoral Fellow)**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA, USA
- 1999 – 2005 **Λιδάκτωρ Περιβάλλοντος**, Τομέας Περιβαλλοντικής Μηχανικής και Επιστήμης, Τμήμα Περιβάλλοντος, Πανεπιστήμιο Αιγαίου
- 1995 – 1999 **Πτυχίο**: Τμήμα Περιβάλλοντος, Πανεπιστήμιο Αιγαίου

ΓΛΩΣΣΕΣ

Αγγλικά

Γερμανικά

Γαλλικά

ΕΡΕΥΝΗΤΙΚΗ ΕΜΠΕΙΡΙΑ

- 2009 - 2013 **Υπότροφος Συνεργαζόμενη Ερευνήτρια με προσόντα Δ' βαθμίδας**, Ινστιτούτο Πυρηνικής Τεχνολογίας και Ακτινοπροστασίας, Ε.Κ.Ε.Φ.Ε. “Δημόκριτος”
- 2006 - 2009 **Ερευνήτρια Βαθμίδας ΙΙ (Research Scientist II)**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA, USA
- 2005 - 2006 **Μεταδιδακτορική Ερευνήτρια**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA, USA
- 2005 **Μεταδιδακτορική Ερευνήτρια**, Τμήματος Περιβάλλοντος, Πανεπιστήμιο Αιγαίου
Συνεργαζόμενη ερευνήτρια, Τμήματος Περιβάλλοντος, Πανεπιστήμιο Αιγαίου

2002 - 2005

Συνεργαζόμενη ερευνήτρια, Ε.Κ.Ε.Φ.Ε. “ΔΗΜΟΚΡΙΤΟΣ”

2001 - 2004

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

2004 - ...

Πτυχίο Μελετητή (Αρ. Μητρώου 17344) κατηγοριών 1 και 27

ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

2015 - 2019

LIFE CLIMATREE-“A novel approach for accounting & monitoring carbon sequestration of tree crops and their potential as carbon sink areas”, LIFE14 CCM/GR/000635

<http://www.lifeclimatree.eu>

2013 - 2017

LIFE CONOPS “Development and demonstration of management plans against -the climate change enhanced- invasive mosquitoes in S. Europe”, LIFE12-ENV_GR_000466

<http://www.conops.gr/>

2011- 2014

Μελέτη Κλιματικών Μεταβολών και Ατμοσφαιρικής Ρύπανσης στην Ελλάδα: Εκτίμηση Μελλοντικών Περιβαλλοντικών και Κοινωνικό-Οικονομικών Επιπτώσεων σε Τοπικό Επίπεδο, ΕΣΠΑ (Δράση εθνικής εμβέλειας «ΣΥΝΕΡΓΑΣΙΑ» - Πράξη Ι)

<http://www2.ipta.demokritos.gr/climaltergr/index.html>

2008-2009

The next generation of aerosol-cloud-chemistry interactions in the NASA Global Modeling Initiative, NRA-04-OES-04

2005-2009

Toward an improved representation of aerosol-cloud interactions in global models: studies integrating NASA GMI and remote sensing products, NRA-03-OES-04

2005-2006

Chemistry, Aerosols, and Climate: Tropospheric Unified Simulation (CACTUS), NRA-02-OES-06 [Investigations that Contribute to the NAS Earth Science Enterprise’s Multidisciplinary Research in Climate, Chemistry, and Global Modeling]

<http://www-as.harvard.edu/chemistry/trop/ids.html>

2005

Πυθαγόρας ΙΙ - Μοντελοποίηση σωματιδιακής ρύπανσης – παραγωγής νέων σωματιδίων (πυρηνοποίηση) στη Μεσόγειο, Υπουργείο Εθνικής Παιδείας και Θρησκευμάτων, Ε.Π.Ε.Α.Ε.Κ. ΙΙ

2004-2005

Πυθαγόρας – Συμβολή του βιοαερίου Χώρων Υγειονομικής Ταφής Απορριμμάτων (ΧΥΤΑ) στην κλιματική αλλαγή, στην ατμοσφαιρική ρύπανση και στην ανάπτυξη ανανεώσιμων ενεργειακών πόρων, Υπουργείο Εθνικής Παιδείας και Θρησκευμάτων,

Ε.Π.Ε.Α.Ε.Κ. ΙΙ

- 2002-2004 BOND: Biogenic aerosols and air quality in the Mediterranean Area, European Commission, EVK2-CT-200100107
<http://milos.ipta.demokritos.gr/bond/>
- 2002-2004 AEOLOS: Assessment of Impact of SF6 & PFCs Reservoir Tracers on Global Warming, European Commission, ENK6-CT-2001-00501. <http://milos.ipta.demokritos.gr/aeolos/>

ΔΗΜΟΣΙΕΥΣΕΙΣ

ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ

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3. Tagaris E., **R.E.P. Sotiropoulou**, N Gounaris, S. Andronopoulos, and D. Vlachogiannis, Modeling air pollution in Europe and the role of anthropogenic and biogenic emissions, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, ebook of proceedings, Crete University Press, Eds. M. Kanakidou, N. Mihalopoulos, P. Nastos, Vol. 3, pp 186, ISBN: 978-960-524-430-9, 2014
4. Megaritis A.G., C. Fountoukis, E. Tagaris, **R.E.P. Sotiropoulou**, A. Sfetsos, D. Vlachogiannis, and S.N. Pandis, Effects of climate change on summertime air quality in Greece, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, ebook of proceedings, Crete University Press, Eds. M. Kanakidou, N. Mihalopoulos, P. Nastos, Vol. 2, pp 226, ISBN: 978-960-524-430-9, 2014
5. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, T. Anttila, and M. Kulmala, Modeling new particle formation in the Greater Athens Area, Report Series in Aerosol Science, Eds. M. Kulmala and T.M. Ruuskanen, 73, pp. 288-292, 2004

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1. **Sotiropoulou R.E.P.**, E. Tagaris, Impact of shipping emissions on European air quality, 13th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Thessaloniki, September 2016
2. Tagaris E., **R.E.P. Sotiropoulou**, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Climate change impact on the establishment of the Invasive Mosquito Species (IMS), 13th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Thessaloniki, September 2016
3. Stergiou J., E. Tagaris, **R.E.P. Sotiropoulou**, Life ClimaTree project: Accounting the tree crops carbon sequestration in S. Europe for current and future climatic conditions, 13th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Thessaloniki, September 2016
4. Michaelakis, A., **R.E.P. Sotiropoulou**, E. Tagaris, A. Sotiropoulos, I. Spanos, D. Papachristos, R. Bellini, P. Milonas, The risk of new Invasive Mosquito Species in southeast Europe: current state and future risk maps, International Congress of Entomology, Orlando, MI, USA, September 2016
5. **Sotiropoulou R.E.P.**, E. Tagaris, Air pollution from ships over Europe, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2016
6. Tagaris E., **R.E.P. Sotiropoulou**, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Development of a risk database for the establishment of invasive mosquito species under impacts of climate change, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2016
7. Stergiou J., E. Tagaris, **R.E.P. Sotiropoulou**, LIFE CLIMATREE project: A novel approach for accounting and monitoring carbon sequestration of tree crops and their potential as carbon sink areas, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2016
8. Michaelakis, A., **R.E.P. Sotiropoulou**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A risk database for the future establishment of Invasive Mosquito Species in Greece and Italy, 16th National Entomological Conference, Heraklion, Greece, October 2015
9. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Downscaling of global climate change estimates to regional scales: the case of Greece, 10th Chemical Engineering National Conference. Patra, Greece, June 2015
10. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, Anthropogenic emissions and air quality: assessing the effect of the Standard nomenclature for air pollution (SNAP) categories over Europe, 10th Chemical Engineering National Conference. Patra, Greece, June 2015
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12. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, and A. Michaelakis, Estimating climate change for Southeast Europe: a dynamical downscaling approach, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2015

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14. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Climate change impact on invasive mosquito species in S.E. Europe, 12th International Conference on Protection and Restoration of the Environment, Skiathos island, Greece, June 2014.
15. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Assessing impacts of meteorology and climate on invasive mosquitoes in S.E. Europe during LIFE CONOPS Project: Preliminary results, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Heraklion, May 2014
16. Megaritis A.G., C. Fountoukis, E. Tagaris, R.E.P. Sotiropoulou, A. Sfetsos, D. Vlachogiannis, and S.N. Pandis, Effects of climate change on summertime air quality in Greece, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Heraklion, May 2014
17. Tagaris E., R.E.P. Sotiropoulou, N Gounaris, S. Andronopoulos, and D. Vlachogiannis, Modeling air pollution in Europe and the role of anthropogenic and biogenic emissions, 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Heraklion, May 2014
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20. Michaelakis, A., A. Sotiropoulos, I. Spanos, P. Milonas, **R.E.P. Sotiropoulou** and E. Tagaris, LIFE CONOPS: Development and demonstration of management plans against -the climate change enhanced- invasive mosquitoes in S. Europe, International Conference: Adapt to Climate, Nicosia, Cyprus, March 2014
21. **Sotiropoulou, R.E.P.** and E. Tagaris, The importance of organic compounds for the first aerosol indirect effect: sensitivity to cloud formation parameterizations and meteorological fields. European Aerosol Conference (EAC), Prague, Czech Republic, September 2013
22. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, Impact of biogenic emissions on PM_{2.5} concentration over Europe, European Aerosol Conference (EAC), Prague, Czech Republic, September 2013
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24. **Sotiropoulou, R.E.P.**, E. Tagaris, N. Meskhidze, J. Kouatchou, L. Oreopoulos, J.M. Rodriguez and

- A. Nenes, Are indirect forcing estimates sensitive to cloud formation parameterizations, emission scenarios and meteorological fields? European Aerosol Conference (EAC), Granada, Spain, September 2012
25. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris and S. Andronopoulos, Effect of precursor emissions to PM_{2.5} concentrations over Europe, European Aerosol Conference (EAC), Granada, Spain, September 2012
26. **Sotiropoulou, R.E.P.**, E. Tagaris, N. Meskhidze, J. Kouatchou, L. Oreopoulos, J. M. Rodriguez, and A. Nenes, Sensitivity of cloud radiative forcing to emission inventory and cloud formation parameterization, 8th International Conference on Air Quality – Science and Application, Athens, Greece, March 2012
27. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris and S. Andronopoulos, Atmospheric pollution in Europe: Modelling setup and evaluation, 8th International Conference on Air Quality – Science and Application, Athens, Greece, March 2012
28. Tagaris, E., R.E.P. Sotiropoulou, N. Gounaris and S. Andronopoulos, Air quality over Europe: application of CMAQ modelling system, 14th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Kos, Greece, October 2011.
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30. Sotiropoulou, R.E.P., D. Barahona, A. Nenes, Global distribution of cloud droplet number concentration, autoconversion rate and first aerosol indirect effect under diabatic droplet activation, European Aerosol Conference (EAC), Manchester, UK, September 2011
31. Karydis, V., P. Kumar, D. Barahona, **R.E.P. Sotiropoulou**, I. Sokolik, and A. Nenes, On the effect of insoluble dust particles on global CCN and droplet number, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2010
32. Karydis, V., P. Kumar, D. Barahona, I. Sokolik, A. Nenes and **R.E.P. Sotiropoulou**, On the effect of insoluble dust particles on global CCN and droplet number, 29th Annual Conference, American Association for Aerosol Research (AAAR 2010), Portland, Oregon, USA, October 2010
33. **Sotiropoulou, R.E.P.**, N. Meskhidze, J. Kouatchou, L. Oreopoulos, J. M. Rodriguez and A. Nenes, Aerosol - cloud interactions in the NASA GMI: Sensitivity of the first aerosol indirect effect to cloud formation parameterization under three different meteorological fields, International Aerosol Conference (IAC), Helsinki, Finland, August 2010
34. Tagaris E., A. Sfetsos, D. Vlachogiannis, S. Andronopoulos, **R.E.P. Sotiropoulou** and N. Gounaris, Sensitivity of Ozone and Particulate Matter Concentrations in Greater Athens Area, Greece, 13th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO13), Paris, France, June 2010
35. **Sotiropoulou, R.E.P.**, N. Meskhidze, J. Kouatchou, L. Oreopoulos, J. M. Rodriguez and A. Nenes, Sensitivity of indirect effects to cloud formation parameterizations and meteorological fields, 18th International Conference on Nucleation and Atmospheric Aerosols (ICNAA), Prague, Czech

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44. Hsieh, W.C, **R.E.P. Sotiropoulou** and A. Nenes, Parameterization of cloud droplet formation and autoconversion in large-scale models, 7th International Aerosol Conference, American Association for Aerosol Research (IAC 2006), St. Paul, Minnesota, USA, October 2006
45. **Sotiropoulou, R.E.P.**, J. Medina, and A. Nenes, CCN predictions: is theory sufficient for indirect forcing calculations?, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2005
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ΔΙΑΤΡΙΒΕΣ

Διδακτορική Διατριβή: Προσομοίωση φυσικοχημικών διεργασιών βιογενών αεροζόλ: Η επίδρασή τους στην ποιότητα αέρα και στην κλιματική αλλαγή στην περιοχή της Μεσογείου.

Προπτυχιακή Διατριβή: Αναερόβιες διεργασίες Μονάδων Εδαφικής Διάθεσης Απορριμμάτων (ΜΕΔΑ) – Κώδικας εκτίμησης ρυθμού παραγωγής βιοαερίου από ΜΕΔΑ.

ΕΠΙΣΤΗΜΟΝΙΚΗ ΑΝΑΓΝΩΡΙΣΗ

2015 - Editorial Board Member of Iore Journal of Environmental Science

2007 - Πρόεδρος της συνεδρίας “**5A AEROSOLS, CLOUDS AND CLIMATE: CLOUD PROCESSING AND COMPOSITION**” στο 26th Annual Conference, American Association for Aerosol Research (AAAR 2007), Reno, Nevada, USA

2006 - UCAR/NCAR Early Career Scientists Assembly (ECSA) Junior Faculty Forum on Future Scientific Directions (JFF)

ΚΡΙΤΗΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΔΗΜΟΣΙΕΥΣΕΩΝ

Atmospheric Chemistry and Physics (ACP)

Atmospheric Research

Environmental Science and Technology (ES&T)

Geophysical Research Letters

Journal of Environmental Management (JEMA)

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