

CONTACT INFORMATION

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PERSONAL INFORMATION

Date of Birth: November 12, 1976
 Marital Status: Married with two children

EDUCATIONAL BACKGROUND

- 2005 – 2006 **Postdoctoral Scholar**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences
- 1999 – 2005 **Ph.D** in Atmospheric Sciences, University of the Aegean, Greece
Thesis: Simulation of physicochemical processes of biogenic aerosols: Their impact on air quality and climate change in the Mediterranean area (in Greek).
- 1995 – 1999 **Diploma:** University of the Aegean, Department of Environment, Greece
Thesis: Anaerobic Processes in landfill sites – Model for the prediction of biogas production rate from landfills, (in Greek).

RESEARCH BACKGROUND

- 2009 - 2013 **Research Scientist** , N.C.S.R. “DEMOKRITOS”, Greece
- 2006 - 2009 **Research Scientist II**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA, USA
- 2005 - 2006 **Postdoctoral Scholar**, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA, USA
- 2005 **Postdoctoral Scholar**, University of the Aegean, Department of Environment, Greece
- 2002 - 2005 **Associate Research Scientist**, University of the Aegean, Department of Environment, Greece
- 2001 - 2004 **Associate Research Scientist**, N.C.S.R. “DEMOKRITOS”, Greece

LANGUAGES

Greek (Native Language)

English

German

French

PROFESSIONAL EXPERIENCE AND PARTICIPATION IN RESEARCH PROJECTS

- 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 Assessing climate change and air quality impacts in Greece, focusing on their social and economic impacts at the local level, National Strategic Reference framework, National Strategic Reference Framework (NSRF) 2007-2013 grand No 09SYN-31-667.
<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 Pythagoras II - Modeling the PM pollution -formation of new particles (nucleation) in the Mediterranean area.
- 2004-2005 Pythagoras – The contribution of landfill biogas to climate change, air pollution and its renewable energy potential
- 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/>

1997-1999 Participation in **9** research projects spanning a wide range of subjects in the field of Waste Management with director Prof. C.P. Halvadakis (University of the Aegean – Department of Environment, Greece, e-mail: khalv@aegean.gr).

PUBLICATIONS

REFEREED PUBLICATIONS IN JOURNALS

1. Tagaris, E., R.E.P. Sotiropoulou, N. Gounaris, S. Andronopoulos and D. Vlachogiannis (2015), Effect of the Standard Nomenclature for Air Pollution (SNAP) Categories on Air Quality over Europe. *Atmosphere*, **6**, 1119-1128.
2. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos and D. Vlachogiannis (2014), Impact of biogenic emissions on ozone and fine particles over Europe: Comparing effects of temperature increase and a potential anthropogenic NO_x emissions abatement strategy, *Atmos. Environ.*, **98**, 214-223.
3. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos and D. Vlachogiannis (2013), Air quality over Europe: modelling gaseous and particulate pollutants, *Atmos. Chem. Phys.*, **13**, 9661-9673, doi:10.5194/acp-13-9661-2013.
4. Barahona, D., **R.E.P. Sotiropoulou** and A. Nenes (2011), Global distribution of cloud droplet number concentration, autoconversion rate and aerosol indirect effect under diabatic droplet activation, *J. Geophys. Res.*, **116**, D09203, doi:10.1029/2010JD015274.
5. Meskhidze, N., **R.E.P. Sotiropoulou**, A. Nenes, J. Kouatchou, B. Das, and J. M. Rodriguez (2007), Aerosol - cloud interactions in the NASA GMI: Model development and indirect forcing assessments, *Atmos. Chem. Phys. Discuss.*, **7**, 14295-14330.
6. **Sotiropoulou, R.E.P.**, A. Nenes, P.J. Adams, and J.H. Seinfeld (2007), Cloud condensation nuclei prediction error from application of Köhler theory: Importance for the aerosol indirect effect, *J. Geophys. Res.*, **112**, D12202, doi:10.1029/2006JD007834.
7. Medina, J., A. Nenes, **R.E.P. Sotiropoulou**, L.D. Cottrell, L.D. Ziemba, P.J. Beckman, and R.J. Griffin (2007), Cloud condensation nuclei closure during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign: Effects of size-resolved composition, *J. Geophys. Res.*, **112**, D10S31, doi:10.1029/2006JD007588.
8. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, T. Anttila and M. Kulmala (2006), Modeling New Particle Formation During Air Pollution Episodes: Impacts on Aerosol and Cloud Condensation Nuclei, *Aeros. Sci. Tech.*, **40**, 557–572.
9. **Sotiropoulou, R.E.P.**, J. Medina, and A. Nenes (2006), CCN predictions: Is theory sufficient for assessment of the indirect effect?, *Geophys. Res. Lett.*, **33**, L05816, doi:10.1029/2005GL025148.
10. Vlachogiannis, D., A. Sfetsos, A. Stubos, **R.E.P. Sotiropoulou**, E. Tagaris, C. Pilinis, W. Zhong, J.D. Haigh, D.O. Eriksen, S. Hartvig, C. Chatzichristos, J. Muller and R. Kleven (2005), Assessment of the Impact of SF₆ and PFCs Reservoir Tracers on Global Warming, the AEOLUS

study, *Environ. Sci.*, **2**, (2-3) 263 – 272, doi: 10.1080/ 15693430500396170.

11. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, S. Andronopoulos, A. Sfetsos and J.G. Bartzis (2004), The BOND project: Biogenic aerosols and air quality in Athens and Marseille Greater Areas, *J. Geoph. Res.*, **109**, D05205, doi:10.1029/ 2003JD003955.
12. **Sotiropoulou, R.E.P.**, E. Tagaris and C. Pilinis (2004), An estimation of the spatial distribution of agricultural ammonia emissions in the Greater Athens Area, *Sci. Total Environ.*, **318**, 159-169.
13. Tagaris, E., **R.E.P. Sotiropoulou**, C. Pilinis and C.P. Halvadakis (2003), A Methodology to Estimate Odors around Landfill Sites: The Use of Methane as an “Odor Index” and Its Utility in Landfill Siting, *J. Air Waste Manage.*, **53** (5), 629-634.
14. Tagaris, E., **R.E.P. Sotiropoulou**, C. Pilinis and C.P. Halvadakis (2003), Atmospheric Methane Transport near landfill Sites, *Waste Manage. Res.*, **21** (1), 62-73.

BOOK CHAPTERS

1. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Regional estimates of global climate change: a dynamical downscaling approach to Southeast Europe, In: Energy, Transportation and Global Warming, ISBN 978-3-319-30127-3, edited by Springer Editions, 2016. (see more details in <http://www.springer.com/gp/book/9783319301266>).
2. **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, ebook of proceedings, Crete University Press, Eds. M. Kanakidou, N. Mihalopoulos, P. Nastos, Vol. 3, pp 170, ISBN: 978-960-524-430-9, 2014
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

CONFERENCE PROCEEDINGS

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
11. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, A. Michaelakis, Regional estimates of global climate change: a dynamical downscaling approach to Southeast Europe, Global Conference on Global Warming (GCGW-15), Athens, Greece, May 2015
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
13. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, The effect of the Standard Nomenclature for Air Pollution (SNAP) categories on ozone and PM2.5

concentrations over Europe, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2015

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
18. **Sotiropoulou, R.E.P.**, E. Tagaris, A. Sotiropoulos, I. Spanos, P. Milonas, and A. Michaelakis, Impact of climate change on invasive mosquito species in S.E. Europe, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2014
19. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris, S. Andronopoulos, and D. Vlachogiannis, Impact of biogenic emissions on ozone and fine particles over Europe: Assessing the effect of temperature increase and the role of anthropogenic NO_x emissions reduction, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2014
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
23. Tagaris, E., **R.E.P. Sotiropoulou**, N. Gounaris and S. Andronopoulos, Impact of biogenic emissions on air quality over Europe, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2013
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.
29. Sotiropoulou, R.E.P., N. Meskhidze, J. Kouatchou, L. Oreopoulos, J. M. Rodriguez and A. Nenes, Sensitivity of cloud radiative forcing to cloud formation parameterization under three different meteorological fields, European Aerosol Conference (EAC), Manchester, UK, September 2011
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 Republic, August 2009
36. **Sotiropoulou, R.E.P.**, J. Kouatchou, L. Oreopoulos, N. Meskhidze, J. M. Rodriguez and A.

- Nenes, Sensitivity of indirect effects to cloud formation parameterization and meteorological fields, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2008
37. Barahona, D., **R.E.P. Sotiropoulou** and A. Nenes, The Importance of Entrainment on Cloud Droplet Number and Indirect Forcing, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2008
 38. **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 indirect effects to cloud formation parameterization and meteorological fields, European Aerosol Conference (EAC'2008), Thessaloniki, Greece, August 2008
 39. **Sotiropoulou, R.E.P.**, N. Meskhidze, and A. Nenes, Aerosol – cloud interactions using the NASA Global Modeling Initiative (GMI), American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2007
 40. **Sotiropoulou, R.E.P.**, N. Meskhidze, and A. Nenes, Aerosol – cloud interactions: sensitivity of indirect effects to cloud formation parameterization, meteorological fields, and emission scenario, 26th Annual Conference, American Association for Aerosol Research (AAAR 2007), Reno, Nevada, USA, September 2007
 41. **Sotiropoulou, R.E.P.**, N. Meskhidze, and A. Nenes, Sensitivity of aerosol indirect forcing and autoconversion to cloud formation parameterization, meteorological field and emission scenarios: An assessment with the NASA Global Modeling Initiative (GMI), Geophysical Research Abstracts, Vol. 9, 00981, EGU General Assembly, Vienna, Austria, April 2007
 42. **Sotiropoulou, R.E.P.**, N. Meskhidze and A. Nenes, Sensitivity of aerosol indirect forcing and autoconversion to cloud droplet parameterization: an assessment with the NASA Global Modeling Initiative, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, USA, December 2006
 43. **Sotiropoulou, R.E.P.**, A. Nenes, P.J. Adams and J.H. Seinfeld, Uncertainty in Aerosol Indirect Effect from CCN prediction errors: a Global Modeling Assessment, 7th International Aerosol Conference, American Association for Aerosol Research (IAC 2006), St. Paul, Minnesota, USA, October 2006
 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
 46. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, T. Anttila and M. Kulmala, Modeling new particle formation in the Mediterranean area, 24th Annual Conference, American Association for Aerosol Research (AAAR 2005), Austin, Texas, USA, October 2005
 47. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, How biogenic emissions affect aerosol concentrations and radiative forcing in the Mediterranean area, 24th Annual Conference American Association for

Aerosol Research (AAAR 2005), Austin, Texas, USA, October 2005

48. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, T. Anttila and M. Kulmala, Estimation of new particle formation in Greater Athens Area, European Aerosol Conference (EAC'2005), Ghent, Belgium, August 2005
49. Vlachogiannis, D., **R.E.P. Sotiropoulou**, A. Sfetsos, W. Zhong, J. D. Heigh, D. Eriskin, S. Hartving, C. Chatzichistos, E. Tagaris, C. Pilinis, R. Kleven, A. Stubos, and J. Muller, Assessment of the Impact of SF₆ and PFCs Reservoir Tracers on Global Warming, the AEOLOS study, 4th International Symposium on Non-CO₂ Greenhouse Gases (NCGG-4) Science, Control, Policy and Implementation, Utrecht, The Netherlands, July 2005
50. Tagaris E., **R.E.P. Sotiropoulou**, and C.P. Halvadakis, Methodology for estimating types and quantity of landfilled solid waste: the case of Mytilene Municipality (Greece), ISWA World Environment Congress and Exhibition, Rome, Italy, October 2004
51. Sfetsos, A., D. Vlachogiannis, N. Gounaris, A. Stubos, **R.E.P. Sotiropoulou**, E. Tagaris, C. Pilinis, C. Chatzichistos and R. Kleven, A methodology for the identification and prediction of weather types using data mining methodologies, 18th International Conference Informatics for the Environmental Protection, Geneva, Switzerland, October 2004
52. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, S. Andronopoulos, A. Sfetsos and J.G. Bartzis, The BOND project: Contribution of biogenic emission to the aerosol budget in the Mediterranean area, European Aerosol Conference (EAC'2004), Budapest, Hungary, September 2004
53. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, D. Vlachogiannis, A. Sfetsos, N. Gounaris, A. Stubos, C. Chatzichristos and R. Kleven. Estimation of the effects of SF₆ and PFCS reservoir tracers on atmospheric quality in the North Sea using data from the AEOLOS study, 13th World Clean Air Congress, London, UK, August 2004
54. **Sotiropoulou, R.E.P.**, E. Tagaris and C. Pilinis, Evaluation of the UAM-AERO and CAMx air quality models using the BOND study, database, Protection and Restoration of the Environment VII, Mykonos, Greece, June 2004
55. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, S. Andronopoulos, N. Gounaris, A. Sfetsos, J.G. Bartzis, Estimation of particulate matter concentrations in the Greater Athens Area by means of the UAM-AERO model, 8th International Conference on Environmental science and Technology, Limnos Island, Greece, September 2003
56. Tagaris, E., **R.E.P. Sotiropoulou**, C. Pilinis and C.P. Halvadakis, Methane production and dispersion around landfill sites, 8th International Conference on Environmental science and Technology, Limnos Island, Greece, September 2003
57. **Sotiropoulou, R.E.P.**, E. Tagaris, C. Pilinis, S. Andronopoulos, N. Gounaris, A. Sfetsos, J.G. Bartzis, Application of the UAM-AERO model in the Greater Athens Area, 4th International Conference on Urban air Quality – Measurements, Modelling and Management, Prague, March 2003
58. **Sotiropoulou, R.E.P.** and C. Pilinis. Modeling of photochemical pollution in Athens, Greece – Application of the UAM-AERO and CALGRID modeling systems. Proceedings of the 7th International Conference of Environmental Science and Technology, Ermoupolis, Syros Island,

Greece, 2001.

59. Tagaris, E., **R.E.P. Sotiropoulou**, C. Pilinis and C.P. Halvadás Methane as Odor Index in Landfill Sites, 7th International Conference on Environmental science and Technology, Ermoupolis, Syros Island, Greece, September 2001

WORKSHOPS

1. **Sotiropoulou, R.E.P.**, and A. Nenes, Impact of CCN Prediction Uncertainty on the Aerosol Indirect Effect: A Global Modeling Assessment, 4th Annual UCAR/NCAR Early Career Scientists Assembly (ECSA) Junior Faculty Forum on Future Scientific Directions (JFF), Boulder, Colorado, August 1- 3, 2006

HONORS, AWARDS AND RECOGNITIONS

2015 – present Editorial Board Member of Iore Journal of Environmental Science

2007 - Session chair: “**5A AEROSOLS, CLOUDS AND CLIMATE: CLOUD PROCESSING AND COMPOSITION**”, 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)

REVIEWER

Journals

Atmospheric Chemistry and Physics (ACP)
Atmospheric Research
Environmental Science and Technology (ES&T)
Geophysical Research Letters
Journal of Environmental Management (JEMA)

Organizations

Department of Energy (DOE), USA

International Bureau of the Federal Ministry of Education and Research at the Project Management Agency c/o German Aerospace Center (DLR)

INVITED SPEAKER

Department of Atmospheric and Oceanic Sciences , University of California Los Angeles, Los Angeles, CA, USA, April 30, 2008

NASA-Goddard Space Flight Center, Greenbelt, MD, USA, August 27, 2007