


DEPARTMENT OF ENVIRONMENTAL ENGINEERING – UNIVERSITY OF WESTERN MACEDONIA

Name and Surname:	Rafaella Eleni P. Sotiropoulou	
Specialization/Position:	Environmental Scientist/ Faculty (Lecturer, Dept. of Mechanical Engineering, UOWM)	
Brief CV:	<p>Dr. Sotiropoulou is instructor at the School of Engineering of the University of Western Macedonia (UOWM). She is a Lecturer of the Department of Mechanical Engineering of the University of Western Macedonia. She holds a Diploma (1999) and a Ph.D. (2005) from the Department of Environment of the University of the Aegean. Prior to joining the Mechanical Engineering Department, she was an Associate Researcher of the NCSR. "Demiokritos" (Institute of Nuclear and Radiological Sciences and Technology, Energy, Safety and Environmental Technologies, Laboratory of Environmental Technologies). She was a post-doctoral researcher and Research Scientist II at Georgia Institute of Technology, School of Earth and Atmospheric Sciences. Her research activities focus on issues of management of the atmospheric environment and climate change (air quality simulation, aerosol formation and transformation, anthropogenic impact on climate change, etc.). Her scientific work has been published in 15 articles in international peer review scientific journals as well as in more than 70 articles in international and national scientific conferences. In 2006, she was selected and participated in the UCAR / NCAR Early Career Scientist Assembly (ECSA) Junior Faculty Forum on Future Scientific Directions (JFF).</p>	
Publications 2013-2018 (up to 5)	<ol style="list-style-type: none"> 1. Tagaris E., I. Stergiou and R.E.P. Sotiropoulou, Impact of Shipping Emissions on Ozone levels over Europe: Assessing the Relative Importance of the Standard Nomenclature for Air Pollution (SNAP) Categories, <i>Environmental Science and Pollution Research</i>, 2017, 24:14903–14909, doi: 10.1007/s11356-017-9046-x 2. 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: <i>Energy, Transportation and Global Warming</i>, ISBN 978-3-319-30127-3, edited by Springer Editions, 2016. (see more details in http://www.springer.com/gp/book/9783319301266). 3. Tagaris E., R.E.P. Sotiropoulou, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, Effect of the Standard Nomenclature for Air Pollution (SNAP) Categories on Air Quality over Europe, <i>Atmosphere</i> 2015, 6, 1119-1128, doi:10.3390/atmos6081119 4. Tagaris E., R.E.P. Sotiropoulou, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, 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, <i>Atmospheric Environment</i>, 2014, 98, 214-223 5. Tagaris E., R.E.P. Sotiropoulou, N. Gounaris, S. Andronopoulos and D. Vlachogiannis, Air quality over Europe: modelling gaseous and particulate pollutants, <i>Atmospheric Chemistry and Physics</i>, 2013, 13, 9661-2013 	
Research Projects 2013-2018 (up to 5)	<ol style="list-style-type: none"> 1. 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) 	
Distinctions:	<ol style="list-style-type: none"> 1. UCAR/NCAR Early Career Scientists Assembly (ECSA) Junior Faculty Forum on Future Scientific Directions (JFF) (2006) 	