

RODANTHI ELISAVET MAMOURI

e-mail: rodanthi.mamouri@cut.ac.cy



Cyprus University of Technology

Department of Civil Engineer and Geomatics

Research Associate Remote Sensing Lab

Director of the Atmospheric Physics and Remote Sensing Laboratory of the RS Lab

Dr. Rodanthi-Elisavet Mamouri is a Post-doc research assistant and responsible for the Atmospheric Physics and Remote Sensing Laboratory in the Department of Civil Engineering and Geomatics in the Cyprus University of Technology (CUT). She graduated from Aristotle University of Thessaloniki with a B.A. in Physics and a M.Sc. Environmental Physics with distinction. She joined the National Technical University of Athens (NTUA), in 2005 when she started her PhD thesis in Physics and laser Remote Sensing techniques. During the period 2009-2011 she contacted parallel research as Post-Doctoral fellow in the field of Aerosol Science within the activities of the Institute for Space Applications and Remote Sensing of National Observatory of Athens (NOA) and the Laboratory of Laser Remote Sensing of the Atmosphere at the Physics Department of NTUA. Then, she moved to the CUT (2012- today) contacting research on the variability of aerosols and air pollution in Eastern Mediterranean Region using active and passive remote sensing Techniques. She is member of the European Aerosol Research Lidar Network (EARLINET). She has participated in more than 20 research projects related to the remote sensing technique applications, to the satellite validations, air pollution monitoring, of a national and European level and in numbered international and national experimental field campaigns for air pollution and atmospheric studies. She has 28 publications at scientific journals and more that 80 oral/poster presentations at international conferences.

Recent related journal publications

1. Mamouri, R. E. and Ansmann, A.: Estimated desert-dust ice nuclei profiles from polarization lidar: methodology and case studies, *Atmos. Chem. Phys.*, 15, 3463-3477, doi:10.5194/acp-15-3463-2015, 2015.
2. Nisantzi, A., Mamouri, R. E., Ansmann, A., Schuster, G. L., and Hadjimitsis, D. G.: Middle East versus Saharan dust extinction-to-backscatter ratios, *Atmos. Chem. Phys.*, 15, 7071-7084, doi:10.5194/acp-15-7071-2015, 2015.
3. Abdelkader, M., Metzger, S., Mamouri, R. E., Astitha, M., Barrie, L., Levin, Z., and Lelieveld, J.: Dust-air pollution dynamics over the eastern Mediterranean, *Atmos. Chem. Phys.*, 15, 9173-9189, doi:10.5194/acp-15-9173-2015, 2015.
4. Amiridis, V., Marinou, E., Tsekeri, A., Wandinger, U., Schwarz, A., Giannakaki, E., Mamouri, R., Kokkalis, P., Biniotoglou, I., Solomos, S., Herekakis, T., Kazadzis, S., Gerasopoulos, E., Proestakis, E., Kottas, M., Balis, D., Papayannis, A., Kontoes, C., Kourtidis, K., Papagiannopoulos, N., Mona, L., Pappalardo, G., Le Rille, O., and Ansmann, A.: LIVAS: a 3-D multi-wavelength aerosol/cloud database based on CALIPSO and EARLINET, *Atmos. Chem. Phys.*, 15, 7127-7153, doi:10.5194/acp-15-7127-2015, 2015.
5. Vakkari, V., O'Connor, E. J., Nisantzi, A., Mamouri, R. E. and Hadjimitsis, D. G.: Low-level mixing height detection in coastal locations with a scanning Doppler lidar, *Atmos. Meas. Tech.*, 8, 1875-1885, doi:10.5194/amt-8-1875-2015, 2015.
6. Mamouri, R. E. and Ansmann, A.: Fine and coarse dust separation with polarization lidar, *Atmos. Meas. Tech.*, 7, 3717-3735, doi:10.5194/amt-7-3717-2014, 2014.
7. Nisantzi, A., Mamouri, R. E., Ansmann, A., and Hadjimitsis, D.: Injection of mineral dust into the free troposphere during fire events observed with polarization lidar at Limassol, Cyprus, *Atmos. Chem. Phys.*, 14, 12155-12165, doi:10.5194/acp-14-12155-2014, 2014.

8. Mamouri, R. E., A. Ansmann, A. Nisantzi, P. Kokkalis, A. Schwarz, and D. Hadjimitsis, Low Arabian dust extinction-to-backscatter ratio, ***Geophys. Res. Lett.***, 40, 4762-4766, doi:10.1002/grl.50898, 2013.
9. Kokkalis, P., Papayannis, A., Amiridis, V., Mamouri, R. E., Veselovskii, I., Kolgotin, A., Tsaknakis, G., Kristiansen, N. I., Stohl, A., and Mona, L.: Optical, microphysical, mass and geometrical properties of aged volcanic particles observed over Athens, Greece, during the Eyjafjallajökull eruption in April 2010 through synergy of Raman lidar and sunphotometer measurements, ***Atmos. Chem. Phys.***, 13, 9303-9320, doi:10.5194/acp-13-9303-2013, 2013.
10. Mamouri, R. E., Papayannis, A., Amiridis, V., Müller, D., Kokkalis, P., Rapsomanikis, S., Karageorgos, E. T., Tsaknakis, G., Nenes, A., Kazadzis, S., and Remoundaki, E.: Multi-wavelength Raman lidar, sunphotometric and aircraft measurements in combination with inversion models for the estimation of the aerosol optical and physico-chemical properties over Athens, Greece, ***Atmos. Meas. Tech.***, 5, 1793-1808, 2012
11. R.E. Mamouri, V. Amiridis, A. Papayannis, E. Giannakaki, G. Tsaknakis, and D. Balis, Validation of CALIPSO space-borne derived aerosol vertical structures using a ground-based lidar in Athens, Greece, ***Atmos. Meas. Tech.***, 2, 513-522, 2009.