

## PERSONAL INFORMATION

Name : Aikaterini Bougiatioti  
Place/Date of birth : Athens, 27/07/1979  
Status : Post-Doctoral Fellow (8.2012-8.2015) at Georgia Institute of Technology in collaboration with National Technical University of Athens Funding of the proposal entitled «MACAVE-Mediterranean Aerosol, Cloud Activation and Volatility Experiments» ( PE10\_(2846)) in the framework of the Action «SUPPORT OF POST-DOCTORAL RESEARCHERS» of the R.P. «EDUCATION AND LIFE-LONG LEARNING» by the General Secretariat for Research and Technology  
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## EDUCATION

2003: Diploma of Chemistry, Aristotle University of Thessaloniki  
Title of the diploma thesis, carried out in the Environmental Pollution Control Laboratory of the Department of Chemistry, presented January 2003 :**“Size distribution of the heavy metals Cr, Ni, V, Mn, Cu and Fe in atmospheric particulate matter.”**  
Supervisor: Dr. Constantini SAMARA  
2004: Postgraduate diploma (DEA) “Chemistry of the Atmospheric Pollution and Environmental Physics” (Chimie de la Pollution Atmosphérique et Physique de l’Environnement) of the University of Paris 7- Denis Diderot.  
Title of the DEA thesis, carried out at the Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA): **“Set-up of a mass spectrometer using laser photoionization for real-time analysis of semi-volatile organic pollutants.”**  
Supervisor: Dr Martin SCHWELL  
2009: Doctoral Thesis in the University of Crete  
Title of the PhD Thesis: **“Organic carbon in the Eastern Mediterranean atmosphere and its role in the formation of Cloud Condensation Nuclei (CCN)”**  
Supervisor: Prof. N. MIHALOPOULOS

## SCIENTIFIC EXPERIENCE/EMPLOYMENT

March-December 2011: Consultant/Scientific expert at N.A.T.O. Science for Peace and Security (SPS) Programme Office, Emerging Security Challenges Division, N.A.T.O. Headquarters, Brussels, Belgium

## PUBLICATIONS IN JOURNALS

- C. Arsene, A. Bougiatioti, M.Kanakidou, B. Bonsang and N. Mihalopoulos : «Tropospheric OH and Cl levels deduced from non-methane hydrocarbon measurements in a marine site», *Atmos. Chem. Phys.*, 7, 4661-4673, 2007
- A. Bougiatioti, C. Fountoukis, N. Kalivitis, S.N. Pandis, A. Nenes and N. Mihalopoulos: «Cloud condensation nuclei measurements in the eastern Mediterranean marine boundary layer: CCN closure and droplet growth kinetics», *Atmos. Chem. Phys.* 9, 7053-7066, 2009
- C. Theodosi, U. Im, A. Bougiatioti, P. Zarrmpas, O. Yenigun and N. Mihalopoulos: «Chemical composition of aerosols over Istanbul, Turkey», *Sci. Tot. Environ.* 408 (12), 2482-2491, 2010
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- N. Kalivitis, A. Bougiatioti, G. Kouvarakis and N. Mihalopoulos: «Long term measurements of atmospheric aerosol optical properties in the Eastern Mediterranean», *Atmos. Res.* 102 (3), 351-357, 2011
- M. Koçak, C. Theodosi, P.Zarmpas, U. Im, A. Bougiatioti, O. Yenigun and N. Mihalopoulos: «Particulate matter (PM<sub>10</sub>) in Istanbul: Origin, source areas and potential impact on surrounding regions», *Atmos. Environ.* 45 (38), 3891-3900, 2011
- A. Nenes, M.D. Krom, N. Mihalopoulos, P. Van Capellen, Z. Shi, A. Bougiatioti and P. Zarmpas: «Atmospheric acidification of mineral aerosols: A source of bioavailable phosphorous for the oceans», *Atmos. Chem. Phys.*, 11, 6265-6272, 2011
- A. Bougiatioti, A. Nenes, C. Fountoukis, N. Kalivitis, S.N. Pandis and N. Mihalopoulos: «Size-resolved CCN distributions and activation kinetics of aged continental and marine aerosol», *Atmos. Chem. Phys.* 11, 8791-8808, 2011
- N. Kalivitis, I. Stavroulas, A. Bougiatioti, G. Kouvarakis, S. Gagné, H.E. Manninen, M. Kulmala and N. Mihalopoulos: «Night-time nucleation of atmospheric particles in the marine boundary layer», *Atmos. Chem. Phys.* 12, 3627-3638, 2012
- St. Pateraki, V.D. Assimakopoulos, A. Bougiatioti, G. Kouvarakis, N. Mihalopoulos and Ch. Vasilakos: «Carbonaceous and ionic compositional patterns of fine particles over an urban Mediterranean area», *Sci. Tot. Environ.* 424, 251-263, 2012
- A. Bougiatioti, P.Zarmpas, M. Antoniou, C. Theodosi, G. Kouvarakis, S. Saarikoski, T. Mäkelä, R. Hillamo and N. Mihalopoulos: «Organic, elemental and water-soluble organic carbon in size segregated aerosols, in the marine boundary layer of the Eastern Mediterranean», *Atmos. Environ.* 64, 251-262, 2013
- T. Raatikainen, A. Nenes, J.H. Seinfeld, R. Morales, R.H. Moore, T.L. Latham, S. Lance, L.T. Padro, J.J. Lin, K.M. Cerully, A. Bougiatioti, J. Cozic, C. Ruehl, P.Y. Chuang, B.E. Anderson, R.C. Flagan, H. Jonsson, N. Mihalopoulos and J.N. Smith: «Worldwide data sets constrain the water vapor uptake coefficient in cloud formation», *PNAS* 110 (10), 3760-3764, 2013
- A. Bougiatioti, I. Stavroulas, E. Kostenidou, P. Zarmpas, C. Theodosi, G. Kouvarakis, F. Canonaco, A.S.H. Prévôt, A. Nenes, S.N. Pandis and N. Mihalopoulos: «Processing of biomass burning aerosol in the Eastern Mediterranean during summertime», *Atmos. Chem. Phys.*, 14, 4793-4807, 2014