

Short CV

Name	Dimitrios Balis
<i>Position</i>	Professor, Physics Department, AUTH
<i>Studies</i>	Degree In Physics, AUTH, 1989 PhD in Physics, AUTH, 1998
<i>Scientific expertise</i>	<ul style="list-style-type: none"> • 160 publications in peer reviewed journals • 5 articles in books • 30 research projects as PI from AUTH • 70 participations in research projects • Member of the organizing committee in 6 international conferences • Reviewer in 19 international journals
<i>Research activities</i>	Remote sensing of the atmosphere with lidars Satellite remote sensing of the atmospheric composition Optical and microphysical properties of the aerosols Variability of the ozone layer Air quality Radiative transfer in the atmosphere
<i>Five most important publications</i>	<ol style="list-style-type: none"> 1. <u>Balis D.</u>, E. Giannakaki, D. Müller, V. Amiridis, K. Kelektsoylou, S. Rapsomanikis and A. Bais, Estimation of the microphysical aerosol properties over Thessaloniki, Greece, during the SCOUT-O₃ campaign with the synergy of Raman lidar and sunphotometer data, <i>J. of Geophys. Res.</i>, 2010 2. Giannakaki, E., <u>Balis, D. S.</u>, Amiridis, V., and Zerefos, C.: Optical properties of different aerosol types: seven years of combined Raman-elastic backscatter lidar measurements in Thessaloniki, Greece, <i>Atmos. Meas. Tech.</i>, 3, 569-578, doi:10.5194/amt-3-569-2010, 2010 3. <u>Balis D.</u>, I.S.A. Isaksen, C. Zerefos, I. Zyrichidou, K. Eleftheratos, K. Tourpali, R. Bojkov, B. Rognerud, F. Stordal, O.A. Søvde, Y. Orsolini, Observed and Modelled record ozone decline over the Arctic during winter/spring 2011, <i>Geophys. Res. Lett.</i>, 2011 4. <u>Balis D.</u>, M. E. Koukouli, N. Siomos, S. Dimopoulos, L. Mona, G. Pappalardo, F. Marengo, L. Clarisse, L. J. Ventress, E. Carboni, R. G. Grainger, P. Wang, N. Theys and C. Zehner, Validation of ash optical depth and layer height retrieved from passive satellite sensors using EARLINET and airborne lidar data: The case of the Eyjafjallajökull eruption, <i>Atmos. Chem. Phys. Discuss.</i>, doi:10.5194/acp-2015-1041, 2016 5. Hassinen S., <u>D. Balis</u>, H. Bauer, M. Begoin, A. Delcloo, K. Eleftheratos, S. Gimeno Garcia, J. Granville, M. Grossi, N. Hao, P. Hedelt, F. Hendrick, M. Hess, K.-P. Heue, J. Hovila1, H. Jønch-Sørensen, N. Kalakoski, A. Kauppi, S. Kiemle, L. Kins, M. E. Koukouli, J. Kujanpää, J.-C. Lambert, R. Lang, C. Lerot, D. Loyola, M. Pedernana, G. Pinardi, F. Romahn, M. van Roozendaal, R. Lutz, I. De Smedt, P. Stammes, W. Steinbrecht, J. Tamminen, N. Theys, L. G. Tilstra, O. N. E. Tuinder, P. Valks, C. Zerefos, W. Zimmer, and I. Zyrichidou, Overview of the O3M SAF GOME-2 operational atmospheric composition and UV radiation data products and data availability, <i>Atmos. Meas. Tech.</i>, 9, 383–407, 2016