Short CV

(last updated on January 2021)

Name	**Katerina Garane**
Position	Laboratory Teaching Staff
Studies	1. BSc in Physics, School of Physics, AUTH (1999) 2. MSc in Environmental Physics, School of Physics, AUTH (2001) 3. PhD in the field of Atmospheric Physics, School of Physics, AUTH (2007)
Scientific expertise	• Laboratory Teaching Staff member of the School of Physics, AUTH, 2014-today • AUTH Employee, Field of specialty "Environment", 2007 –2014 • PhD student and Research assistant at the Laboratory of Atmospheric Physics, School of Physics, AUTH, 2001-2007
Research activities	13 publications in peer-reviewed international journals 47 publications/presentations in peer-reviewed international conferences and conference minutes 10 publications in reports 2 participations in field measurement campaigns 11 Participations in research projects Reviewer in 3 international scientific journals Supervision in 1 under-graduate thesis Supervision in 4 post-graduate theses Research Interests: • Atmospheric Physics, • Environmental Physics, • Atmospheric technology and quality control, with emphasis on solar UV radiation and Ozone • Climate change, Air pollution • Remote sensing of the atmosphere • Ozone Layer changes
Five most important publications	1. Garane, K., Koukouli, M.-E., Verhoelst, T., Lerot, C., Heue, K.-P., Fioletov, V., Balis, D., Bais, A., Bazureau, A., Dehn, A., Goutail, F., Granville, J., Griffin, D., Hubert, D., Keppens, A., Lambert, J.-C., Loyola, D., McLinden, C., Pazmino, A., Pommereau, J.-P., Redondas, A., Romahn, F., Valks, P., Van Roozendael, M., Xu, J., Zehner, C., Zerefos, C., and Zimmer, W.: **TROPOMI/S5P total ozone column data: global ground-based validation and consistency with other satellite missions**, Atmos. Meas. Tech., 12, 5263–5287, https://doi.org/10.5194/amt-12-5263-2019, **2019** 2. Garane, K., Lerot, C., Coldewey-Egbers, M., Verhoelst, T., Koukouli, M. E., Zyrichidou, I., Balis, D. S., Danckaert, T., Goutail, F., Granville, J., Hubert, D., Keppens, A., Lambert, J.-C., Loyola, D., Pommereau, J.-P., Van Roozendael, M., and Zehner, C.: **Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) – Part 1: Ground-based validation of total ozone column data products**, Atmos. Meas. Tech., 11, 1385-1402, https://doi.org/10.5194/amt-

	11-1385-2018, **2018** 3. Boynard, A., Hurtmans, D., Garane, K., Goutail, F., Hadji-Lazaro, J., Koukouli, M. E., Wespes, C., Vigouroux, C., Keppens, A., Pommereau, J.-P., Pazmino, A., Balis, D., Loyola, D., Valks, P., Sussmann, R., Smale, D., Coheur, P.-F., and Clerbaux, C.: **Validation of the IASI FORLI/EUMETSAT ozone products using satellite (GOME-2), ground-based (Brewer–Dobson, SAOZ, FTIR) and ozonesonde measurements**, Atmos. Meas. Tech., 11, 5125-5152, https://doi.org/10.5194/amt-11-5125-2018, **2018** 4. Garane, K., A. F. Bais, S. Kazadzis, A. Kazantzidis and C. Meleti. **Monitoring of UV spectral irradiance at Thessaloniki (1990-2005): Data re-evaluation and quality control**, Annales Geophysicae 12, 24(12), 1 – 14, DOI:10.5194/angeo-24-3215-2006, **2006** 5. Bais, A., S. Kazadzis, K. Garane, N. Kouremeti, J. Gröbner, M. Blumthaler, G.Seckmeyer, A.R. Webb, T. Koskela, P.Görts, J. Schreder "**A portable device for characterizing the angular response of UV spectroradiometers**", Applied Optics 12/2005; 44(33):7136-43, DOI:10.1364/AO.44.007136, **2005**