


PERSONAL INFORMATION		
SURNAME	GARANE	
NAME	KATERINA	
e-mail	agarane@auth.gr	
TEL.	2310998191	

Scopus Author ID: [57199644768](https://scopus.com/authid/detail.uri?authorid=57199644768)

Researcher ID: <http://www.researcherid.com/rid/A-8134-2018>

### SHORT SUMMARY OF RESEARCH ACTIVITIES & SCIENTIFIC INTERESTS

Dr. K. Garane studied Physics at the Aristotle University of Thessaloniki (graduated in 1999 - grade "Very Good", 7.24/10). During the final year of her 4-year bachelor studies she completed her diploma thesis on the «Comparison of solar ultraviolet spectral measurements of spectrophotometers Brewer, during the “5th Brewer users' meeting”». Right after her graduation, she was admitted to the 2-years Postgraduate Studies Program of Environmental Physics, School of Physics, Aristotle University of Thessaloniki (AUTH). The diploma thesis she prepared during the last year of her postgraduate studies was entitled “Control of the optical characteristics and calibration of the spectrophotometer Brewer”. She graduated with the degree "Excellent" (9.33/10) in December 2001. In 2002 she started her work on her PhD thesis, under the subject: “Contribution to the study of changes in the spectrum of ultraviolet solar radiation in various time scales”, for the preparation of which she received a Fellowship from the program "Heraclitus" of the Greek Ministry of National Education and Religious Affairs. She supported her doctoral dissertation on 19/12/2007 and was graded “Excellent” (10/10).

During her graduate studies (2001), Dr. Garane started working at the Laboratory of Atmospheric Physics ([LAP](#)) of the School of Physics, AUTH, where, for more than seven years, she was responsible for the maintenance, calibration and the general supervision of the operation of the two Brewer spectrophotometers operating at the Laboratory since 1982. As part of her PhD thesis she re-evaluated, quality-controlled and analyzed statistically the whole record of spectral ultraviolet measurements of LAP, which spans the time period 1989 - 2005 in order to draw firm conclusions about trends in UV radiation in Thessaloniki and the climatological parameters that may have contributed to it.

Dr. Garane is currently a permanent staff member at the Laboratory of Atmospheric Physics of AUTH, and besides teaching courses in the field of Atmospheric Physics to under- and post- graduate students, she continues her research work as a Researcher in the field of Remote Sensing. In particular, in the past few years she has focused on the validation and quality-control of long term global total ozone column records from satellite observations, using comparisons against measurements of ground-based instruments.

As a member of the research team of the Laboratory of Atmospheric Physics, Dr. Garane took part in numerous European and National Research Funding Projects, where, besides her scientific contribution, she gained extensive experience in the field of project management and collaboration with other research groups. Currently she is the PI of two funded research projects. At the same time, she actively participated in many international and Greek conferences, where she had 87 presentations and publications in conference proceedings (last update: May 2024). Finally, regarding the writings, except the three monographs which arose during her studies, she has participated in the publication of 16 papers in international journals, in 5 of which she is the lead author (last update: May 2024).

Overall, Dr. Garane has a significant experience in ground-based measurement techniques, as well as in analysis and validation of satellite atmospheric observations through inter-comparison of satellite and ground-based measurements. Additionally, she is an experienced teacher and has a significant background in project management as well as in academic organizational matters.