

FOTAKI ELENI FOTEINI NEFELI

•email: nfotaki@phys.uoa.gr • Date of birth: 27/11/1992 •Nationality: Greek

Education

- February 2019-today
National and Kapodistrian University of Athens
School of Physics, Department of Environmental Physics and Meteorology
Ph.D. Candidate
 - 2016-2018
National Technical University of Athens and National Centre of Scientific Research "DEMOKRITOS",
School of Applied Mathematics and Physical Sciences,
Master of Science "Physics and Technological Applications"
 - 2010-2016
University of Crete,
School of Mathematics and Applied Mathematics
bachelor's degree in applied mathematics
 - 2007-2010
Arsakeia Schools in Psychico
High School Diploma
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Research Experience

- 2017–today

Participation in the Climate Research Group of the Higher Atmosphere Laboratory,
School of Physics, Department of Environmental Physics and Meteorology, National
and Kapodistrian University of Athens, leader Prof. Varotsos

Participation in International Projects

- 2019-today

“TROPOMI total, profile and tropospheric O₃ VALidation using ground based and ozonesonde data from Athens, Greece - TRO3VALAG” Part of Sentinel-5 Precursor Calibration and Validation Team (S5PVT).

Publications

1. CHRISTODOULAKIS J., KOUREMADAS G., [FOTAKI E.F.](#), VAROTSOS C., First Total Ozone Column validation results of TRO3VALAG project. Copernicus Sentinel-5 Precursor Validation Team Workshop, ESA-ESRIN, Frascati (Rome), Italy, 11-14 November 2019.
2. CHRISTODOULAKIS J., KOUREMADAS G., [FOTAKI E.F.](#), VAROTSOS C., On the validation of Column Ozone measured by the TROpospheric Monitoring Instrument (TROPOMI). 15th International Conference on Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece, 27 - 30 September 2020 (accepted).

Educational Projects

- Master Thesis: Geographical Distribution of Drought using Statistical Indicators, 2018
 - Bachelor Thesis: Evaluation of the 3-D Chemistry Model TM4, 2016
 - Water pollution due to radioactivity and impacts, Radio-environmental analysis (Master), 2017
 - Finite element method in the model of micromagnetism, Magnetic Materials (Master), 2017

 - Laboratory courses projects:
 - Nd-Yag Laser
 - Dielectric relaxation spectroscopy (DRS)
 - Raman spectroscopy
 - NMR spectroscopy
 - EPR spectroscopy
 - Sputtering
 - Crystallography
 - Differential Scanning Calorimetry (DSC)
 - Magnetic levitation
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Certificates

Certificate of Computer Use, University of Crete
First Certificate in English, University of Cambridge

Personal Skills

Programming languages: R
Digital skills: Linux, Windows
Proficient in Microsoft Office including Excel, Powerpoint and Word
