

Maria Elissavet Koukouli - Short Curriculum Vitae

	Name	Maria Elissavet Koukouli
	Position	Assistant Professor, Laboratory of Atmospheric Physics, Department of Physics, AUTH
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	Research Profiles	ORCID: 0000-0002-7509-4027 Scopus Author ID: 9844993400

Education	- D.Phil. in Physics, Atmospheric, Oceanic and Planetary Physics, University of Oxford (1999-2003). - M.Sci. in Physics, Physics & Astronomy, University College London (1995-1999, First Class, 83%). - Languages: English, French and Spanish (excellent) · Italian (basic).
Research Interests	- Satellite- and ground-based remote sensing of atmospheric composition: trace gases, ozone and aerosols. - Evaluation, calibration and geophysical validation of satellite products using ground-based observations and multi-sensor synergies. - Chemical transport modelling, satellite data assimilation and inverse modelling for emission updates and air-quality applications. - Aerosol-climate interactions, extreme events/wildfires, and exploitation of new-generation polar-orbiting and geostationary satellite observations.
Scientific Profile	84 publications in international peer-reviewed journals through 2026. Scopus: h-index 31 and 2,653 citations (06/05/2026). 68 papers in peer-reviewed international conference proceedings and 243 presentations/abstracts at international scientific conferences. - Participation in 30 research projects funded by ESA, EUMETSAT, the European Commission/Horizon and ECMWF/CAMS, including several coordination/co-coordination roles. 29 research proposals and 11 invited talks, including the opening keynote at ESA ATMOS 2024. - Supervision/co-supervision of 41 student theses, including 4 PhD dissertations. Teaching experience since 2005 at AUTH, Democritus University of Thrace, Hellenic Open University, Perrotis College and the Hellenic Air Force. - International collaborations with 21 organisations/institutes, including ESA, EUMETSAT, DLR, KNMI, BIRA-IASB, FMI, NASA, WMO and TNO. - Reviewer for 12 international scientific journals and evaluator of competitive research proposals.

Scientific Overview 2026

84 publications	2,653 citations	31 h-index	243 international presentations
30 research projects	29 research proposals	11 invited talks	41 theses supervised/co-supervised

Career Path

2003-2004 Marie Curie Postdoctoral Researcher <i>IAA-CSIC, Granada</i>	2005-08/2026 Postdoctoral Researcher <i>LAP/AUTH, Thessaloniki</i>	09/2026-present Assistant Professor <i>Department of Physics, AUTH</i>
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