

Personal Information

Name: Stelios A. Kazadzis
Date of Birth: 23.04.1971
Nationality: Greek
Status: Married, two children
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CV Link <https://www.pmodwrc.ch/en/institute/employees/stelios-kazadzis-2/>

Summary

Stelios Kazadzis (SK) has 26 years of experience in basic and applied research in Atmospheric Physics. From 1989 to 2000, he studied Physics at the Department of Physics, Aristotle University of Thessaloniki (Physics Degree, MSc in Environmental Physics and PhD in Atmospheric Physics). His doctoral dissertation is related to the advances and applications of spectral measurements of ultraviolet solar radiation. Since 1997, SK has participated in 47 (21 as PI) funded, 33 (15) European and 14 (6) national (Greek and Swiss) projects. Since 2015 (PMODWRC) as PI he has received 4.6M funding. He is a member of the Atmospheric Chemistry and Physics editorial board and is an active reviewer in more than 15 scientific journals. He has 164 publications in peer reviewed journals with 6.000 non self citations and H-index of 48 (scopus).

His scientific interests are:

- Aerosol and trace gases remote sensing
- Aerosol and solar measurements and calibration
- Study of the optical properties of aerosols, Aerosol-cloud-radiation interactions
- Measurements and applications of solar radiation from surface-based and satellite receivers
- Calibration/validation studies of satellite atmospheric products related to aerosols and spectral solar irradiance
- Forecasting and applications of solar radiation / energy

Working Experience

2021-	Lecturer Swiss Federal Institute of Technology ETH Zurich, Department of Environmental Systems Science, Institute of Atmospheric and Climate Science, Switzerland
2015-	Senior Researcher, leader of the World Aerosol Optical Depth and Calibration Center, Physicalisch Meteorologisches Observatorium Davos, World Radiation Center, Switzerland
2015-	Associate Researcher, Institute for Environmental and Sustainable Development, National Observatory of Athens, Greece
2009-2015	Assoc./Senior Researcher, Institute for Environmental and Sustainable Development, National Observatory of Athens, Greece
2008-2009	Post Doctoral Research Associate, Finnish Meteorological Institute, Climate Change Group. Marie Curie – Intra European Fellowship, Finland
2008	Post Doctoral Research Associate, Department of Geology, A. Univ. of Thessaloniki, Greece
2007-2008	Post Doctoral Research Associate, National and Kapodestrian University of Athens, Greece
2000-2007	Post Doctoral Research Associate, Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki, Greece
03-09/2001	Visiting Scientists, Joint Research Center, Ispra, Italy

1996–1998 Research Scientist, Laboratory of Atmospheric Physics, A.U.Th.

Studies

Date	Title	University	Thesis	Supervisor
1989-1994	BA in Physics (7.11 /10)	Aristotle University of Thessaloniki, Greece	Experimental measurements of solar UV albedo	Prof. A. Bais
1994-1996	MSc on “Environmental Physics” (9.26 /10)	Aristotle University of Thessaloniki, Greece	Aerosol Optical depth measurements using solar direct spectral measurements	Prof. A. Bais
1996-2000	PhD in “Atmospheric Physics” (10/10 Excellent)	Aristotle University of Thessaloniki, Greece	Advances and applications of solar spectral UV measurements	Prof. A. Bais, C. Zerefos, I. Ziomas

Scholarships / Awards

- 05/2008-11/2009 Senior Researcher, **EU-FP7-PEOPLE-Marie Curie – Intra European Fellowship** “Validation of Aerosol optical Properties and surface Irradiance measured from Ozone Monitoring Instrument on board of AURA satellite”. Finnish Meteorological Institute, Finland. Project ID: [219908](#)
- 06/2010-05/2013 Principle Investigator: **EU-FP7-PEOPLE-Marie Curie – European Reintegration grant** “Aerosol and Cloud Influence on global surface UV irradiance retrieve from satellite sensors”. National Observatory of Athens, FP7-2009-RG-Proj. Number: [247492](#)
- 03/2012-2/2014 Principle Investigator: **EU-FP7-PEOPLE-Marie Curie – Intra European Fellowship:** “Global mapping of aerosol properties using neural network inversions of ground and satellite based data”. National Observatory of Athens. EU/EF-2011 Proj. Number: [300515](#). Fellow: Dr. Michael Taylor.
- 01/2008-12/2008 Aristotle University Research Committee scholarship of Excellence “Aerosol Climatology over Eastern Mediterranean with the use of satellite and ground-based sensors”
- 01/2006-06/2007 Greek State Scholarship Foundation, Greece. Scholarship award for the Post-Doc Research: “Climatology of aerosol optical properties over Thessaloniki, Greece”
- 05/2025 ACP Copernicus **Outstanding Editor Award** in recognition of excellent services as Editor of Atmospheric Chemistry and Physics in 2024.

POSITIONS OF RESPONSIBILITY

Head of the **World Optical depth Research and Calibration Center** of WMO, 2015-
Member of the **Scientific advisory group for Aerosols** of WMO ([WMO-SAG](#)), 2015-
Action Chair, COST Action [Harmonia](#), sun photometer measurement homogenization (2022-2026).
Leader of **ACTRIS PMODWRC Central Facility Unit**
Deputy Chair, **ACTRIS Expert Group on Satellite validation** (2024-2028)
Member of the **International Radiation Commission** (IRC), 2021-
Member of the **Expert Team of Atmospheric Composition Measurement Quality** of the World meteorological Organization ([ET ACMQ](#)).

Member of the **Expert Team on the Atmospheric Composition Network Design and Evolution** of the World meteorological Organization ([ACNDE](#))
Co-leading the **action group on renewable energy of EuroGEO**.
Principle Investigator: WMO [Global Atmospheric Watch –Precision Filter Radiometer aerosol network](#)
Swiss national representative in EU-COST actions: [inDUST](#), Workgroup leader (2017-2021), [Probe](#) (2020-2023), [NEXUSNET](#) (2021-2024).
Member of the Global Atmospheric Watch – Swiss panel
PI of the international WMO *4th and 5th filter Radiometer comparison, Davos, Switzerland*, (2015, 2021)
Editor in Atmospheric Chemistry and Physics journal
Member of the Global Climate Observing System (GCOS) group of Switzerland.
PI of the Pandonia atmospheric composition network station of Athens.

Teaching Experience

1. Teaching

University	Program	Lesson	Years
ETH Zurich – Institute of Atmospheric and Climate Sciences	MSc: “Atmospheric and Climate Sciences”	Atmospheric Remote Sensing	2022- today
		UV Radiation	2021-2022
Univ. Peloponnese, Greece	MSc: «Space Science, technology and Applications»,	“Space Applications”	2016-2017, 2017-2018
Aristotle Univ. Thessaloniki, Greece	MSc:“Environmental Physics”	Field measurements 1	2003-2007
Aristotle Univ. Thessaloniki, Greece	MSc:“ Environmental Physics”	Field Measurements 2	2003-2007
Aristotle Univ. Thessaloniki, Greece	MSc:“ Environmental Physics”	Subjects in Environmental Physics	2005-2007
Aristotle Univ. Thessaloniki, Greece	MSc:“ Environmental Physics”	Aerosol Measurements	2011-2013

2. Supervision of PhD Thesis

Completed: Supervisor / three member committee:

- Emmanouil Proestakis, Univ. of Patras, Greece “Investigation of the cloud indirect effect with ground based and satellite measurements”, 2014-2018
- Panagiotis Kosmopoulos, Aristotle Univ. Thessaloniki, Greece “Methods of forecasting solar energy using ground based and satellite based data”, 2013-2018
- Panagiotis Raptis National and Kapodestrian University of Athens, Greece “Development of methodologies for the retrieval of aerosols and trace gases using solar spectral measurements”, 2014-2018
- Myrto Gratsea, University of Crete, “Measurements of Trace gases over Athens area with remote sensing techniques”, 2014-2022
- Kyriakoula Papachristopoulou, NKUA, Greece. “Solar radiation/energy forecasting and the role of aerosols and clouds”, 2019-2023
- XinYuan Hu, Solar energy forecasting, the effects of aerosol and clouds, Physics Department, ETH Zurich, May 2021-Dec. 2025
- Moustaka Anna, “Multisensor Characterization of Aerosol Optical Properties, Trends, and Radiative Effects from Regional to Global Scales” Aristotle University Thessaloniki, May, 2021-March 2026
- Angelos Karanikolas, Aerosol optical properties’ measurements and applications at WORCC, PMODWRC, ETH D-Physics, Zurich, Switzerland, December 2020-2026

On going/ three member committee:

- Miguel Huertas, Effects of aerosols mineralogy to solar radiation, Mariea Curie Doctoral Network, September 2025
- Dimitra Kouklaki, NKUA, Greece, 2022-
- Georgia Charalambous, Cyprus University of Technology, 2023-
- Athina Savva, Cyprus University of Technology, 2024-
- Yannis Gschwind, Dep. Of Physics, ETHZ, 2025-
- Aspasia Palikaridou, ECoE, Cyprus, 2026-

Participation in the 7 member examining committee

- Stolaki Stavroula, "Study of the fog characteristics at Macedonia airport of Thessaloniki, Greece", Aristotle University of Thessaloniki, Geology Department, 2011
- Nikitidou Efterpi, «Variability of aerosol and cloud optical properties and their effect on the transfer of solar irradiance in the atmosphere», University of Patras, Laboratory of Atmospheric Physics, 2013
- Gkikas Antonios, "Study of aerosol episode in the Mediterranean region with the use of satellite-based sensors", University of Ioannina, 2012.
- Zempila Maria-Melina, "Solar Ultraviolet radiation climatology in the Eastern Mediterranean region", Aristotle University of Thessaloniki, Physics Department, 2013.
- Kokkalis Panagiotis, "Study of the tropospheric aerosols with ground and satellite –based techniques: measurement statistical analysis", National and technical University of Athens, 2014.
- Vassilios Pavlidis, "Estimating Error ad uncertainty of clud-aerosol-radiation interactions in regional climate model simulations", Aristotle University of Thessaloniki, Geology Department, 2019.
- Drosoglou Theano, 'Ground-based measurements of atmospheric trace gases using differential optical absorption spectroscopy and comparisons with satellite observations', Aristotle University Thessaloniki, Physics Department, April, 2021
- Marios Korras-Carraca, "Aerosol effects in the Climate radiative balance using satellite and reanalysis data", Univerity of Aegean, Greece, 2021
- Stavros Logothetis, "Study of the effect of aerosols and clouds on the estimation and short-term forecast of solar radiation", Un. Of Patras, Greece, 2022
- Vasiliki Daskalopoulou, "The impact of triboelectrification on desert dust flow dynamics", Physics department, University of Crete, Greece, 2023
- Thanasis Natsis, Aerosol and cloud effects on solar radiation, Aristotle University Thessaloniki, Physics Department, December, 2023
- Ioanna Tsikoudi, "Dynamics of the Atmospheric Boundary Layer in a Marine Environment Using Active Remote Sensing Methods", National and Kapodistrian University of Athens, Greece, May 2025

3. Other

Member of the PhD supporting committee of PMODWRC.

PhD defence committee (ETH Zurich, Switzerland, AUTH, Greece, Paris Tech., France)

External Evaluator, MSc: "Environmental Science and Engineering", Dimokritio Univ. of Thrace (2012-2014, 2015-2016)

Supervisor/co-supervisor of 5 undergraduate and 8 Master Thesis (Aristotle Univ. Thessaloniki, Univ. of Ioannina, Univ. Of Patras, Finnish Meteorological Institute, National and Kapodestrian Univ. of Athens, Univ. of West Attica/MSc of Science in Energy and Environmental Investments, Univ. of Aegean, Greece).

Current group members (project based)

K. Papachristopoulou (Post-Doc), K. Kilchoffer (Post-Doc), A. Karanikolas (Post-Doc), A. Moustaka (Post-Doc), M. Huertas (PhD), Y. Gschwind (PhD), X. Hou (PhD)

Reviewer/Editor in Journals

Editor: Atmospheric Chemistry and Physics (IF: 5.5)

Editor in Special Issues: "SKYNET – the international network for aerosol, clouds, and solar radiation studies and their applications", Atmospheric Measurements and Techniques (IF: 3.2), Atmospheric Chemistry and Physics (inter-journal) Coordinator: Special issue: Dust aerosol measurements, modeling and multidisciplinary effects (AMT/ACP inter-journal SI), 2020

Coordinator: Special issue: Sun-photometric measurements of aerosols: harmonization, comparisons, synergies, effects, and applications (AMT/ACP inter-journal SI)

Coordinator: Special issue: Satellite and ground-based remote sensing of aerosol optical, physical, and chemical properties over China (ACP/AMT inter-journal SI) (AMT/ACP inter-journal SI), 2020

Guest editor inter-journal special issue entitled "Profiling the atmospheric boundary layer at a European scale" (Atmospheric Measurements and Techniques, 2022)

Reviewer:

"UNEP EEAP Report on "Environmental Effects of Ozone Depletion and Interactions with Climate Change - 2014"

Reviewer in Journals:

Atmospheric Chemistry and Physics, Atmospheric Environment, Journal of Geophysical Research, Geophysical Research Letters, Atmospheric Research, Annales Geophysicae, Aerosol and Air Quality Research, Particuology, Atmospheric Science Letters, Journal of Atmospheric Chemistry, Computers and Geosciences, Journal of Atmospheric and Oceanic Technology, Journal of Pure and Applied Optics, Applied Optics, Journal of Solar terrestrial Physics, Remote Sensing

Reviewer in National proposal funds:

- Netherlands Organisation for Scientific Research.
- National Committee of Science and Technology of Chile.
- General Secretary of Research and Technology, Greece.
- EU HORIZON-EIC Pathfinder
- EU HORIZON Space, 2024-
- Dutch Research Council, <https://www.nwo.nl/>

Invited Speaker

Conferences/Seminars/webinars

- S. Kazadzis, AGORA Aerosol Training Course: Characterization of atmospheric aerosol using in-situ and remote sensing techniques, "Aerosol sun photometry", June, 2026
- S. Kazadzis, [Aerosol observations and links with atmospheric, climate and solar energy studies; Results of the Harmonia COST Networking Action](#), EGU Vienna, May, 2026
- S. Kazadzis, Aerosol sun photometry state of the art and progress and the COST action Harmonia, European meteorological Society, Bratislava, Slovakia & Online | 3–8 September 2023, Convenor.
- S. Kazadzis, "The Harmonia COST action", Innovation in Atmospheric Measurement Techniques Workshop, CYI online, organized by ACTRIS, ICOS and IAGOS, together with the Eastern Mediterranean and Middle East Climate and Atmosphere Research Center (EMME-CARE), June 2023
- S. Kazadzis, AGORA Aerosol Training Course: Characterization of atmospheric aerosol using in-situ and remote sensing techniques, "Aerosol sun photometry", June 12-17, 2023
- Earth Observation for Global Earth Observations (EO4GEO) - 08.04.2023, online: "Aerosol measurements and effects", <https://www.youtube.com/watch?v=MlmZ8nS3mik&t=3s>
- Earth Observation for Global Earth Observations (EO4GEO) - Erasmus+, 9.11.2021, online: "Solar energy nowcasting and short term forecasting" <https://www.youtube.com/watch?v=EAfr3HGAhsA&t=12s>
- German Weather Service, Lindenberg, Germany, "Aerosol optical depth: measurements, calibration and global networks", 28.10.2021
- SKYNET users conference: The GAW-PFR Network, Rome, Italy, December, 2016
- World Radiation Center, Davos, Switzerland, "Solar radiation measurements and applications", November, 2014
- Delft Univ. of Technology, Aerosol Impact on solar radiation, April, 2014
- Geo Symposium 2021, on line, "The Energy in the WEF Nexus". June, 2021

- International Summer School, Solar Radiation Based Established Techniques for aTmospheric Observations: SORBETTO 2, September 2021, online.

Schools

- Harmonia, “Above the clouds” School, Izana, Tenerife, Spain. The Scientific objectives of the Harmonia Action.
- AGORA [Aerosol Training Course](#): Characterization of atmospheric aerosol using in-situ and remote sensing techniques, ATMO-ACCESS project, Andalusian Global Observatory of the Atmosphere, Granada, Spain, June, 2024
- Harmonia “Sky over Berlin” School on sun photometry, 8-10 April, 2024 Berlin, Germany
- [Global Atmospheric Watch Training and Education Center](#) Aerosol Optical properties and sun photometric measurements, October, 2023
- AGORA [Aerosol Training Course](#): Characterization of atmospheric aerosol using in-situ and remote sensing techniques, ATMO-ACCESS project, Andalusian Global Observatory of the Atmosphere, Granada, Spain, June, 2023
- International Summer School, SOLar Radiation Based Established Techniques for aTmospheric Observations: SORBETTO 3, February 2023, ESA-ESRIN, Rome.
- International Summer School, Solar Radiation Based Established Techniques for aTmospheric Observations: SORBETTO 2, September 2021, online.
- International Summer School, Solar Radiation Based Established Techniques for aTmospheric Observations: SORBETTO, 2-6 July 2018, CNR Headquarter and Sapienza University. (<http://sorbetto2018.artov.isac.cnr.it/>), Rome, Italy
- [Global Atmospheric Watch Training and Education Center](#) Aerosol Optical properties and solar radiation, May 2016 & September 2017
- [Global Atmospheric Watch Training and Education Center](#) Solar UV irradiance and aerosol effects, May 2017 and June 2023
- [2nd ECARS Summer school](#), Satellite Cal/Val Activities employing ground-based remote sensors, Agios Nikolaos and Finokalia, Crete, Greece, April 2017

Talks in World Meteorological Organization and GAW related meetings

- Toronto, Canada, Environment Canada, “Solar spectral UV and aerosol columnar properties”, 22 April, 2015
- Seoul, Korea, Korean Meteorological Agency, “Report from World Optical Depth Research and Calibration Centre & PFR Network activities”, June 6, 2016
- Geneva, Switzerland, WMO headquarters, “International Network to Encourage the Use of Monitoring and Forecasting Dust Products”, 9th July, 2018
- Zurich, Meteoswiss, Global Atmospheric Watch-Switzerland, “Report from World Optical Depth Research and Calibration Centre & PFR Network activities”, November 2015-2018
- Organizing committee of the GAW-GCOS CH Symposium, Bern, March 2026

Funding ID

Participation in 45 research projects, 23 as PI. Since 2015 (PMODWRC) as PI he has received 4.6M funding.

Project funding overview

	PMOD	2015-2025	NOA-AUTH	1998-2015
	PI	Collaborator	PI	Collaborator
EU project / ESA	19	3	4	11
National	5	1	2	7
Budget as PMOD PI	4.6 Mil.			

Project Title	Host Institute	Budget (host) (KEuro)	Source	Role	Start / End dates
ACTRIS NEXT	PMOD/WRC	50	EU Horizon Europe	PI PMODWRC	07/2026- 06/2032
QA4EO-Earth Care	PMOD/WRC	30	ESA	PI PMODWRC	04/2026- 04/2028
GENESIS	PMOD/WRC	260/4000	EU Horizon Europe	PI PMODWRC	11/2026- 10/2029
ACTRIS – CH2	PMOD/WRC	400/3000	SNF/Switzerland	PMODWRC	01/2025- 12/2028
Observe	PMOD/WRC	50/250	ESA	PI PMODWRC	06/2025- 05/2027
Statistics	PMOD/WRC	50/700	ESA	Ass. Researcher	02/2025- 01/2026
PANORAMA	PMOD/WRC	400	EU Horizon Europe	PI PMODWRC	1/2025- 1/2028
RACE ECV- Earth Care	PMOD/WRC	250K	Prodex SBFI	PI PMODWRC	10/2024- 9/2026
Dust DN Marie Curie Training Network	PMOD/WRC	250K	MSCA EU Horizon Europe	PI PMODWRC	11/2024- 10/2028
ATARI	PMOD/WRC	275/1500	EU Horizon Europe	PI PMODWRC	10/2024- 09/2027
Certainty	PMOD/WRC	245/8000	EU Horizon Europe	PI PMODWRC	1/2024- 12/2027
Excelsior	PMOD/WRC	140/10000	EU Horizon Europe	PI PMODWRC	1/2023- 11/2027
SIMCA	PMOD/WRC	355/355	SNF	Co-PI PMODWRC	1/2024- 12/2027
AOD improvement using enhanced cloud information	PMOD/WRC	30/100	ESA	PI PMODWRC	11/2023- 10/2024
Harmonia COST action	PMOD/WRC	~800/800	EU COST Actions	Action Chair PI	10/2022- 09/2026
QA4EO – AOD correction for NO2	PMOD/WRC	30/200	ESA	Assoc. Researcher	10/2021-
Megacities around the globe: Aerosol optical depth Spatial distribution and Trends over the last two decades using spaceborne data (MAST)	PMODWRC/ETHZ	24/24	Swiss Excellence scholarship	PhD Supervision	09/2021- 09/2022
Aerosol Optical Depth data Web Interface for data communication to scientists and the public	PMOD/WRC	50/50	MeteoSwiss (GCOS) – Switzerland	Action proposer	01/2021- 04/2023
ACTRIS - CH	PMOD/WRC	360/2000	Switzerland	Co-PI PMODWRC	06/2021- 05/2025
EIFFEL: revealing the role of geoss as the default digital portal for building climate change adaptation & mitigation applications	PMOD/WRC	90/5000	EU-H2020	PI: PMODWRC	03/2021 – 02/2024
"Metrology for aerosol optical properties"	PMOD/WRC	600/3000	EURAMET/EMPIR	Assoc. Researcher	06/2020 – 05/2023
E-Shape, Showcases powered by Europe	PMOD-WRC / NOA	71 / 1700	EU Horizon 2020	PI: PMODWRC	03/2019 03/2023
The Global Atmosphere Watch Precision Filter Radiometer (GAW-PFR) Network for Aerosol Optical Depth long term measurements	PMOD/WRC	96	MeteoSwiss (GCOS) – Switzerland	PI	10/2018 03/2020
PANACEA: Panhellenic infrastructure for atmospheric composition and climate change	NOA	580	GSRT Research & Innovation Infrastructure	Assoc. Researcher (AR)	11/2018 10/2021
inDust COST Action	PMOD/WRC	600	EU COST Action	National representative (Swiss) WG leader	11/2017 10/2021
ATLAS-III	PMOD/WRC	120	European Space Agency	AR	01/2018

					6/2019
SIOS – Infrastructure development of the Norwegian node (SIOS-InfraNor)	PMOD/WRC	50 (subcontractor)	Research Council of Norway	Co-PI	08/2018 07/2023
ATLAS-II	PMOD/WRC	150	European Space Agency	AR	07/2016 12/2017
GEO-CRADLE	PMOD/WRC	120	EU- Horizon 2020	PI PMOD/WRC	02/2016 11/2018
ATLAS, characterization of spertoradiometers with a tunable laser	PMOD/WRC	400	European Space Agency	Co-PI	05/2015 07/2016
Aristoteles: Solar radiation and solar energy nowcasting and forecasting	IERSD/NOA	130	Excellence Program of GSRT in Environment, Space and Geoenvironment 2015-2017	AR	11/2015 10/2017
TALOS: Thunder And Lightning Observing System	IERSD/NOA	253	GSRT: Excellence grants	AR	03/2014 11/2015
Researchers Night Athens	IERSD/NOA	45	MSC-RN-H2020, EU	PI	05/2014 12/2015
MarcoPolo – Monitoring and Assessment of Regional air quality in China using space Observations	IAASARS/NOA	200	European Commission, FP7 Space	AR	01/2014 12/2016
Urban clusters impact on regional Air pollution and climate and generic visualization software for satellite data applications (AeroVis)	Univ. Thrace	60	GSRT: Greek Chinese corporation	AR	11/2013 04/2014
THESPIA: Development of Synergistic methodologies and tools for monitoring and forecasting environmental parameters	IERSD/NOA	1014	GSRT	AR and scientific man/ent	01/2013 08/2015
Building Capacity for a Centre of Excellence for EO-based monitoring of Natural Disasters	IERSD/NOA	2800	EU-FP7-Regpot-2013	AR	03/2013 02/2016
Global mapping of aerosol properties using neural network inversions of ground and satellite based data	IERSD/NOA	222	EU-FP7-People Marie Curie IEF	PI	03/2012 02/2014
Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies	IAASARS/NOA	200	European Space Agency	AR	03/2012 07/2013
Aerosol and Cloud Influence on global surface UV irradiance retrieved from satellite sensors	IERSD/NOA	45	EU-FP7-People Marie Curie IEF	PI	11/2011 05/2013
Climate Change Initiative Ozone	NKUA	60	European Space Agency	AR	09/2010 08/2013
Hellenic Network of Solar Energy	NKUA	48	GSRT	SR	12/2010 11/2012
Validation of Aerosol optical Properties and surface Irradiance measured from Ozone Monitoring Instrument on board of AURA satellite	Finnish Meteorological Institute, Finland	125	EU-FP7-People Marie Curie IEF	Fellow – PI	05/2008 11/2009
Fog forecasting and dissipation at Thessaloniki airport	AUTH	12	Latsis foundation	AR	1/2008 6/2008
Geomon: Global Earth Observation And Monitoring	NKUA	48	EU FP6 FP6-SUSTDEV	AR	12/2007 05/2008
Stratospheric-Climate Links with Emphasis on the Upper Troposphere and Lower Stratosphere	AUTH	387	European Commission FP6	AR	01/2005 08/2005 & 01/2006 12/2006
Aerosol Climatology over Eastern Mediterranean with the use of satellite and ground-based sensors	AUTH	6	AUTH Committee scholarship of Excellence	Fellow – PI	01/2008 12/2008
Climatology of aerosol optical properties over Thessaloniki, Greece	AUTH	9	IKY	Fellow	01/2005 06/2006
Influence of clouds on the spectral actinic flux in the lower troposphere	AUTH	151	EU-EC Energy	AR	09/2005 12/2005
Greek UV Radiation Network	AUTH	340	GSRT	AR	09/2004 12/2004

Quality assurance of Spectral Ultraviolet Measurements in Europe through the Development of a Transportable Unit	AUTH	380	European Commission FP5	AR	01/2002 11/2004 & 06/2005
Actinic Flux Determination from Measurements of Irradiance	AUTH	96	European Commission FP5	AR	11/2000 12/2001
Measurements of ultraviolet solar radiation for scientific purposes	AUTH		GSRT	AR	05/1996 09/1997
Measurements of the horizontal column of atmospheric pollutants	AUTH		GSRT	AR	02/1995 11/1996 & 01/1996 04/1996

Communication activities

- Responsible of forecasting the UV Index for the National Observatory of Athens and providing it to the public by meteo.gr (<http://www.meteo.gr/uv.cfm>) 2010-2018.
- Co-director of the National Observatory of Athens for the Researchers' Night 2014.
- Beyond Center of Excellence for EO based monitoring of natural disasters, the National Observatory of Athens head of the field of Solar Energy and the Solarhub web portal: <http://beyond-eocenter.eu/solarapp/>.

Applications:

Short term forecasting Sense2/nextSense2: https://solar.beyond-eocenter.eu/#solar_short

long term forecasting – Greece: https://solar.beyond-eocenter.eu/#solar_long

UV forecasting – Greece (UVIOS2): <https://solar.beyond-eocenter.eu/#uv>

Participation in Experimental Campaigns

- PAUR Campaign, **Ag. Efstratios, Greece**, 6-20 June 1996. (Project: EU/PAUR)
- Fourth European Intercomparison of Ultraviolet Spectroradiometers, 1-13 July 1997, **Nea Michaniona, Greece**. (Project: EU/SUSPEN)
- Bidos Campaign of biological dosimeters 15-22 July 1997, **Nea Michaniona, Greece**. (Project: EU/Bidos)
- Bavarian solar radiation Campaign, **Hohenpeissenberg, Germany** 15-22, May 1997. (Project: EU/PAUR 2)
- Campaign of the PAUR II project, **Crete, Greece**, 3-21 May 1999. (Project: EU/PAUR 2)
- Intercomparison of spectroradiometers. **Ispra Campaign, Italy** May 2001 (Project: EU/QASUME)
- Intercomparison with the traveling spectroradiometer bentham DM150 at the Qasume project core institutes. **Innsbruck, Austria**, June 2002, **Bilthoven, The Netherlands** June 2002, **Manchester UK** July 2002, **Jokioinen Finland**, July 2002, **Thessaloniki Greece** October 2002. (Project: EU/QASUME)
- Inspectro UK Campaign, **East Anglia UK** August 28- September 28 2002. (Project: EU/INSPECTRO)
- Intercomparison with the traveling spectroradiometer bentham DM150 at the Qasume project institutes. **Jokioinen, Finland**, May 2003, **Sodankyla, Finland**, June 2003, **Trondheim, Norway**, June 2003, **Oslo, Norway**, June 2003, **Reading, UK**, July, 2003, **Bilthoven, The Netherlands**, July 2003. (Project: EU/QASUME)
- Inspectro Bavarian Campaign, **Munich, Germany**, 1-31 May, 2004. (Project: EU/INSPECTRO)
- Intercomparison with the traveling spectroradiometer bentham DM150 at the Qasume project institutes: IM **Lisbon, Portugal**, July 2004, INTA **El Arenosillo, Spain** July 2004, **Izana, Tenerife**, June 2005 (Project: EU/QASUME)
- Aerosol Campaign, **Thessaloniki** 12-25 July, 2006. (Project: EU/SCOUT O3)
- OMI UV and aerosol campaign **Thessaloniki** 1-30 October 2007 (Project: National/OMIUV)
- SNORTEX snow albedo campaign, **Sodankyla Finland** April 21-27, 2009 ((Project: EU/Snortex)
- IS4Fires burning experiment **Hyytiala, Finland** June, 2009 (Project: EU/IS4Fires)
- QASUME field campaign June 2010, **Jokioinen, Finland**
- ACEMED (Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean), **Crete, Greece** September 2011 (Project: ESA/ACEMED)

- CHARADMExp campaign: «Characterization of Aerosol mixtures of Dust And Marine origin», June-July 2014, **Finokalia, Crete** (Project: ESA/CHARADMEx)
- Organizer for the organization of the WMO «4th Filter Radiometer Comparison at PMODWRC», **Davos, Switzerland**, October - November, 2015 (WMO)
- Pre-Test Campaign, **Finokalia, Crete, April**, 2017 (Project: ESA/Pretest)
- QUATRAM Campaign of sun-photometric instruments, **Rome, Italy**, October, 2017 (national/QUATRAM).
- Organizer for the 5th Filter Radiometer Comparison, **Davos, Switzerland** September-October, 2021
- Organizer of the Earth Care Validation campaign, **Thessaloniki, Greece**, April-May, 2025
- FRC 6, Davos, Switzerland, September-October 2025

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Summary (Scopus, 04/2026 and google scholar)

Number of pub. In peer reviewed journals	164	
Conferences (proceeding papers)	190	
Conferences (abstracts)	74	
Citations	6240	10100
Non-self Citations	5650	
h Index:	48	62

Summary of publications - journals

α/α	Journals	Publisher	Impact Factor (2021)	Number of pub.
1	Atmospheric Chemistry and Physics	Copernicus Publications	7.2	41*
2	Atmospheric Measurement Techniques	Copernicus Publications	4.2	33*
3	Atmospheric Environment	Elsevier Science	3.7	11
4	Journal of Geophysical Research	American Geophysical Union	3.4	7
5	Applied Optics	Optical Society of America	1.8	6
6	Annales Geophysicae	Copernicus Publications	1.6	6
7	Atmospheric Research	Elsevier	5.4	4
8	Geophysical Res. Letters	American Geophysical Union	4.3	3
9	Atmosphere	MDPI	3.1	7
10	Energy	Elsevier Science	4.9	2
11	Journal of Quantitative Spectroscopy and Radiative Transfer	Elsevier Science	2.6	2
12	International Journal of Remote Sensing	Taylor & Francis	1.7	2
13	Photochemistry and Photobiology Science	Royal Society of Chemistry	2.9	2
14	Photochemistry and Photobiology	American Society for Photobiology	2.2	2
15	Metrologia	IOP Science	2.3	2
16	Nature Communications Earth Environ.	Springer Nature	7.3	1
17	Earth System Dynamics	Copernicus Publications	4.6	1
18	Tellus	Taylor & Francis	2.0	1
19	Atmosphere-Ocean	Taylor & Francis	2.1	1
20	Natural Hazards Earth Syst. Science	Copernicus Publications	2.3	1
21	Atmospheric Science letters	Royal meteorological Society	1.2	1
22	Science of the total Environment	Elsevier Science	4.6	2
23	Geosciences Instruments and Methods Data Systems	Copernicus Publications	1.3	1
24	Geophysica**	Geophysical Society of Finland,	1	1
25	Lupus	Sage publishing	2.9	1
26	Journal of Atmospheric Sciences	Americam meteorological Society	3.1	1
27	Remote Sensing	MDPI	5.3	7
28	Solar Energy	Elsevier Science	4.3	2

29	European Review	Oxford Publ.	1.4	1
30	Energies	MDPI	3.3	5
31	Allergy	Wiley	14.7	4
32	Applied Energy	Elsevier	11	1
33	Bulletin of the American Meteorological Society	AMS	8	1
34	Geosci. Model Dev	Copernicus publications	4	1
	Total		Weigh. average = 4.8	164

*3 highlight papers, **Journal ISSN 0367-4231

Publication list in peer reviewed journals

A1. Bais, A. F., **S. Kazadzis**, D. Balis, C. S. Zerefos, and M. Blumthaler, "Correcting global solar UV spectra recorded by a Brewer spectroradiometer for its angular response error", *Applied Optics*, 37, 27, 6339 - 6344, 1998.

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