

Personal Information

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Date of Birth: 23.04.1971
Nationality: Greek
Status: Married, two children
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Summary

Stylios Kazantzis (SK) has 23 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.

From 2000 to 2007 he worked as a postdoctoral researcher at the Atmospheric Physics Laboratory of the Aristotle University of Thessaloniki (AUTH) and for a short time at the Department of Geology of the National and Kapodistrian University of Athens and the corresponding department of the University of Athens and as a visiting Researcher at the Joint Research Center in Ispra, Italy. During this period, he was a member of the group that developed, calibrated, and was co-responsible for the operation of the standard European reference spectrometer for ultraviolet solar radiation. During this period he took part in more than 25 international experimental campaigns. From 2008 to 2009, he received a Marie Curie fellowship (Intra European Fellowship) and worked at the Finnish Meteorological Institute's remote sensing / climate change team in Helsinki, Finland, for the development and validation of algorithms of the satellite (AURA) spectrophotometer Ozone Monitoring Instrument (OMI). Major scientific achievement was the development of algorithms on ultraviolet radiation and aerosols of the particular satellite instrument (OMI) that are used in the calculation of OMI data offered to the users till today.

In 2009 he was appointed as Associated Researcher (C) at the Institute for Environment Research and Sustainable Development (IERSD) at the National Observatory of Athens, Greece. In 2014 he was promoted to the position of Senior Researcher of the IERSD at the National Observatory of Athens. During these five years, he worked as a principle investigator (PI) and as a scientific partner in 6 European (3 as PI) and 4 national programs with main research interests the atmospheric composition and air quality based on surface-based and satellite measurements and also with measurements and models for radiative transfer of solar radiation, including two Marie Curie Grants as PI. For the project THESPIA (total expenditure for the IERSD of 1.014 million) assumed the role of scientific and financial manager of the project.

In 2015 he took the position of Senior Researcher at the World Radiation Center (WRC) as Leader of the World Optical Depth Research and Calibration Center (WMO) at the WRC of the Physicalisch Meteorologisches Observatorium in Davos, Switzerland. He also became a member of the WMO Scientific Advisory Group for Aerosols (WMO). He has authored the report on the basic principles of measurement for the aerosol optical depth measurements of WMO using sun-photometers and has participated in numerous experimental campaigns. He is responsible for the operation of the Global Atmospheric Watch (PFR) network and for the operation of the standard triad world reference instruments for measuring the aerosol optical depth. He is the PI of the Solar Energy Nowcasting/Forecasting System (SENSE/NextSENSE), and provides consulting services for solar energy projects. From 2015, he has participated in 4 projects as a PI and 3 as a scientific partner in European and national (Switzerland) funded projects. He is a national representative (Switzerland) and is in charge of one of the four working groups in the European COST program "inDust" (2017-2021) related to dust aerosols.

SK has supervised 7 doctoral theses (3 completed) and has teaching experience in two postgraduate programs: Environmental Physics of the Aristotle University of Thessaloniki (co-teaching four courses for 3 to 5 teaching years) and Space Applications of Technology and Research of the University Peloponnese (co-teaching one lesson for two teaching years). He was a member of

the seven-member examination committee of five doctoral dissertations and co-supervising eight postgraduate and five undergraduate assignments in various Greek and one Finnish universities.

He has 120 publications in scientific journals that received 3320 references [h index = 35] (Publons/ISI April 2021), 35 of which are in the Atmospheric Chemistry and Physics (Impact Factor 5.5) 77 out of 115 in Journals with impact factor greater than 3. In addition, it has more than 140 publications in international conferences.

Since 1997, SK has participated in 35 (9 as PI) funded, 22 (6) European and 13 (3) national (Greek and Swiss) projects. He is a member of the Atmospheric Chemistry and Physics editorial board and is an active reviewer in more than 15 scientific journals.

His scientific interests are:

- Measurements and applications of solar radiation from surface-based and satellite receivers
- Study of the optical properties of aerosols
- Forecasting and applications of solar radiation / energy
- Calibration/validation studies of satellite atmospheric products and products related to spectral solar irradiance
- Development, characterization, calibration of instruments for the measurement of the spectral solar irradiance
- Effects of solar radiation on the ecosystem

Working Experience

2021-	Lecturer Swiss Federal Institute of Technology ETH Zurich, Department of Environmental Systems Science, Institute of Atmospheric and Climate Science
2015-	Senior Researcher, leader of the World Aerosol Optical Depth and Calibration Center, Physikalisch Meteorologisches Observatorium Davos, World Radiation Center
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
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
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-IEF-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”

Teaching Experience

1. Teaching

University	Program	Lesson	Years
ETH Zurich – Institute of Atmospheric and Climate Sciences	MSc: “Atmospheric and Climate Sciences”	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	2003-2004, 2004-2005 2005-2006, 2006-2007
Aristotle Univ. Thessaloniki, Greece	MSc: “Environmental Physics”	Field Measurements 2	2003-2004, 2004-2005 2005-2006, 2006-2007
Aristotle Univ. Thessaloniki, Greece	MSc: “Environmental Physics”	Subjects in Environmental Physics	2005-2006, 2006-2007
Aristotle Univ. Thessaloniki, Greece	MSc: “Environmental Physics”	Aerosol Measurements	2011-2012, 2012-2013

2. Supervision of PhD Thesis

Completed/ three member committee:

Emmanouil Proestakis, Univ. of Patras, Greece “Investigation of the cloud indirect effect with ground based and satellite measurements”, 2014-2018 (January, 2018)

Panagiotis Kosmopoulos, Aristotle Univ. Thessaloniki, Greece “Methods of forecasting solar energy using ground based and satellite based data”, 2013-2018 (February, 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

On going/ three member committee:

Myrto Gratsea, University of Crete, “Measurements of Trace gases over Athens area with remote sensing techniques”, 2014-

Christina Cotti, Univ. of Patras, Greece “Measurement techniques for solar radiation assessment for energy applications”, 2012-

Kyriakoula Papachristopoulou, NKUA, Greece. Solar radiation/energy forecasting and the role of aerosols and clouds, Dec 2019.

Angelos Karanikolas, Aerosol optical properties’ measurements and applications at WORCC, PMODWRC, ETH Zurich, Switzerland, (December 2020)

Zagkos Alexandros, National and Kapodistrian University of Athens, ‘Long term forecasting of solar energy production exploiting remote sensing numerical weather prediction and machine learning techniques”, March, 2021

Ippokratis Papadimitrakos, Democretus Univ. Of Thrace, Greece, April 2021

XinYuan Hu, Solar energy forecasting, the effects of aerosol and clouds, ETH Zurich, May 2021

Moustaka Anna, Aristotle University Thessaloniki, May, 2021

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

3. Other

Member of the PhD supporting committee of PMODWRC

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).

POSITIONS OF RESPONSIBILITY

Leader of the World Optical depth Research and Calibration Center of WMO

Member of the International Radiation Commission (IRC)

Member of the Scientific advisory group for Aerosols of WMO (WMO-SAG)

Member of the Expert Team on Measurements Quality of the World meteorological Organization (ETMQ).

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), NEXUS (2021-2024).

Member of the Global Atmospheric Watch – Swiss panel

PI of the NOA spectroradiometric station in Athens, Greece

PI of the international WMO 4th filter Radiometer comparison, Davos, Switzerland, (2015, 2021)

Editor in Atmospheric Chemistry and Physics journal.

PI of the pilot showcase “Solar Energy: NextSENSE” of the program “EuroGeoss-Showcases” (March, 2019)

Member of the Global Climate Observing System (GCOS) group of Switzerland.

PI of the Pandonia atmospheric composition network station of Athens.

Reviewer/Editor in Journals

Editor: Atmospheric Chemistry and Physics (IF: 5.5), Applied Sciences (IF: 2.47), Atmosphere (IF: 2.39)

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: 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

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:

i. Netherlands Organisation for Scientific Research, ii. National Committee of Science and Technology of Chile, iii. General Secretary of Research and Technology, Greece.

Invited Speaker

- German Weather Service, Lindenberg, Germany, “Aerosol optical depth: measurements, calibration and global networks”, 28.10.2021
- 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
- [2nd ECARS Summer school](#), Satellite Cal/Val Activities employing ground-based remote sensors, Agios Nikolaos and Finokalia, Crete, Greece, April 2017
- 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.

Talks in World Meteorological Organization 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

Funding ID

Participation in 34 research projects, 9 as PI.

Project Title	Host Institute	Budget (host) (KEuro)	Source	Role	Start / End dates
QA4EO – AOD correction for NO2	PMOD/WRC	100/10	ESA	Assoc. Researcher	07/2021- 04/2022
Aerosol Optical Depth data Web Interface for data communication to scientists and the public	PMOD/WRC	50/50	MeteoSwiss (GCOS) – Switzerland	PI	01/2021- 04/2023
ACTRIS - Ch	PMOD/WRC	360	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	Assoc. Researcher	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	~250	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 spectroradiometers 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>)
- 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/>

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)
- Biodos Campaign of biological dosimeters 15-22 July 1997, **Nea Michaniona, Greece**. (Project: EU/Biodos)
- 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)
- CHARADMEp campaign: «Characterization of Aerosol mixtures of Dust And Marine origin», June-July 2014, **Finokalia, Crete** (Project: ESA/CHARADMEp)
- Responsible for the organization of the WMO «4th Filter Radiometer Comparison at PMODWRC», **Davos, Switzerland**, Οκτώβριος- Νοέμβριος, 2015 (WMO)
- Pre-Tect Campaign, **Finokalia, Crete, April**, 2017 (Project: ESA/PreTECT)
- QUATRAM Campaign of sun-photometric instruments, **Rome, Italy**, October, 2017 (national/QUATRAM).
- Responsible for the 5th Filter Radiometer Comparison, **Davos, Switzerland** September-October, 2021

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Summary (ISI Web of Science, 09/2021)

Number of pub. In peer reviewed journals	122
Conferences (proceeding papers)	80
Conferences (abstracts)	73
Citations	3576
Non-self Citations	3350
h Index:	36

Summary of publications - journals

α/α	Journals	Publisher	Impact Factor (2017)	Number of pub.
1	Atmospheric Chemistry and Physics	Copernicus Publications	6.1	34*
2	Atmospheric Measurement Techniques	Copernicus Publications	4.2	19
3	Atmospheric Environment	Elsevier Science	3.7	10
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	3.8	4
8	Geophysical Res. Letters	American Geophysical Union	4.3	3
9	Atmosphere	MDPI	2.7	5
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	1

16	Nature Communications Earth Environ.	Springer Nature		1
17	Earth System Dynamics	Copernicus Publications	4.6	1
18	Tellus	Taylor & Francis	2.0	1
19	Atmosphere-Ocean	Taylor & Francis		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	1
23	Geosciences Instruments and Methods Data Systems	Copernicus Publications	1.3	1
24	Geophysica**	Geophysical Society of Finland,		1
25	Lupus	Sage publishing	2.9	1
26	Journal of Atmospheric Sciences	Americam meteorological Society	3.1	1
27	Remote Sensing	MDPI	4.8	3
28	Solar Energy	Elsevier Science	4.3	2
29	European Review	Oxford Publ.	1.4	1
30	Energies	MDPI	2.5	1
	Total		average = 4.3	123

*2 highlight papers (2018), **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.
- A2. Kazadzis, S., A. F. Bais, D. Balis, C. S. Zerefos, and M. Blumthaler, "Retrieval of downwelling UV actinic flux density spectra from spectral measurements of global and direct solar UV irradiance", *J. Geophys. Res.* 105, D4, 4857-4864, 2000.
- A3. Munakata, N., S. Kazadzis, A. F. Bais, K. Hieda, G. Ronto, P. Rettberg, G. Horneck, "Comparisons of spore dosimetry and spectral photometry of solar-UV radiation at four sites in Japan and Europe", *Photochem. Photobiol.* 72, 739-745, 2000.
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