

CURRICULUM VITAE and List of Publications

STYLIANOS KAZADZIS PHD,

SENIOR RESEARCHER

PHYSIKALISCH-METEOROLOGISCHES OBSERVATORIUM DAVOS, WORLD RADIATION CENTER

DAVOS, SWITZERLAND

Name: Stylianos A. Kazadzis
Date of Birth: 23/04/1971 Thessaloniki, Greece
Family Data: Married, two children
Current Position: Senior Researcher, Leader of the World aerosol Optical depth Research and Calibration Center
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Summary of research interests and achievements

Stylianos Kazadzis (SK) has 20 years of experience on basic and applied research on Atmospheric Physics and Atmospheric Chemistry. From 1989 – 2000 he has studied (Ba in Physics, MSc in Environmental Physics and PhD in Atmospheric Physics) at the Physics Department, Laboratory of Atmospheric Physics, Aristotle University of Thessaloniki (LAP-AUTH), Greece. From 2000-2007 he has been working as a Post-doc researcher at the LAP-AUTH, the Geology Department of the National and Kapodestrian University of Athens and as a visitor Researcher the European Joint Research Center at Ispra, Italy. From 2007-2009 he has received the EU-Marie Curie post doctoral (IEF) scholarship and worked at the Remote Sensing Group/Climate Change Unit of the Finnish Meteorological Institute, Helsinki, Finland. In 2009 he received the position of the Associate Researcher at the Institute of Environmental Research and Sustainable Development of the National Observatory of Athens, Greece and he has received a European Return Marie Curie Grant (2010-2012) as a fellow and a Marie Curie IEF as a supervisor (2012-2014). In 2014 he has promoted at the position of the Senior Researcher at the Institute of Environmental Research and Sustainable Development of the National Observatory of Athens. In 2015 he got the position of Senior Researcher, Leader of the World aerosol Optical depth Research and Calibration Center at the Physicalisch Meteorologisches Observatorium Davos, World Radiation Center. He is member of the Scientific Advisory Group of WMO for Aerosols.

He has 88 accepted publications in peer reviewed scientific journals that have received 2027 citations [h index=27] and 1782 excluding self-citations of all authors, (citation per article = 23.5 and Mean Journal Impact factor = 3.5) –ISI Web of knowledge, January 2018-. Moreover, he has more than 120 accepted publications in conference proceedings and he has participated in 30 international conferences. Since 2000, SK has participated (under contract) in 20 European funded and 4 national (Greek) projects. He is a member of the editorial board of the Atmospheric Chemistry and Physics journal and has been a member of the supervising committee of various MSc and 5 PhD students working on aerosol, solar radiation and satellite remote sensing, related research. He has been an active reviewer in more than 15 scientific Journals.

Scientific Interests

- Solar radiation measurements and techniques using ground based and satellite based instrumentation
- Aerosol research based on ground based sun-photometric measurements
- Algorithm development for aerosol and trace gases retrieval
- Aerosol and solar UV satellite validation activities
- Development, characterization, calibration, quality control of solar spectroradiometer instrumentation
- Aerosol optical properties retrieval with the use of neural networks

- Solar UV forecast and health effects

UNDERGRADUATE AND GRADUATE STUDIES

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

High-school diploma (19.1/20), 21st high-school of Thessaloniki, 1989

WORKING EXPERIENCE

04/2015-	Senior Researcher, Head of World Aerosol Optical Depth and Calibration Center, Physicalisch Meteorologisches Observatorium Davos, World Radiation Center
05/2014-04/2015	Senior Researcher, Institute for Environmental and Sustainable Development, National Observatory of Athens, Greece
11/2009-05/2014	Associate Researcher, Institute for Environmental and Sustainable Development, National Observatory of Athens, Greece
05/2008-11/2009	Post Doctoral Research Associate, Finnish Meteorological Institute, Climate Change Group. Marie Curie – Intra European Fellowship “Validation of Aerosol optical Properties and surface Irradiance measured from Ozone Monitoring Instrument on board of AURA satellite”.
01/2008-06/2008	Post Doctoral Research Associate, Department of Geology, A. Univ. of Thessaloniki, “Investigations of fog forecasting methodologies with application on the Thessaloniki international airport”
12/2007-05/2008	Post Doctoral Research Associate, National and Kapodestrian University of Athens, Program: Global Earth Observation And Monitoring – (GEOMON project)
05/2006-04/2008	Post Doctoral Research Associate, General Secretary of Research and Technology, Greece: “Validation of UV radiation, total ozone and aerosol measurements derived from OMI instrument on board the AURA satellite from the ground in a complex aerosol environment”. Aristotle University of Thessaloniki, Greece
11/2006-11/2007 & 01/2005-04/2006	Post Doctoral Research Associate, Laboratory of Atmospheric Physics, A.U.Th. Program: EC ENVIRONMENT Stratospher-Climatic Links With Emphasis On The UTLS (SCOUT-03)
09/2004-12/2004	Post Doctoral Research Associate, Laboratory of Atmospheric Physics, A.U.Th. Program: General Secretary of Research and Development Greece. “Greek UV Radiation Network”
01/2002–12/2004 & 06/2005–07/2005	Post Doctoral Research Associate, Laboratory of Atmospheric Physics, A.U.Th. Program: “QASUME” EC Energy, Environment and Sustainable Development Program, “Quality assurance of Spectral Ultraviolet Measurements in Europe through the Development of a Transportable Unit”
03/2001-06/2001	Joint Research Center, Ispra, Italy. Visiting Scientist
11/2000–12/2002	Post Doctoral Research Associate, Laboratory of Atmospheric Physics, A.U.Th. Program: “ADMIRA” EC Energy, Environment and Sustainable Development Program, “Actinic Flux Determination from Measurements of Irradiance”

09/2000-01/2002	Regional Centre of Meteorology of Macedonia, Greece. Meteorologist
10/1998–10/1998	Research Scientist, Laboratory of Atmospheric Physics, A.U.Th. Program: «Interactions between chemical compounds the ozone layer and UV-B fluxes»
07/1997-10/1997	Visiting scientist at Finnish Meteorological Institute, Finland. Scholarship from the Center of Researchers' Mobility. Visitor Research scientist
05/1996–09/1997	Research Scientist, Laboratory of Atmospheric Physics, A.U.Th. Program: "SUVDAMA" EC ENVIRONMENT Program, "Standarization ultraviolet data management (SUVDAMA)"
01/1996–04/1996& 02/1995–11/1995	Research Scientist, Laboratory of Atmospheric Physics, A.U.Th. Program: General Secretary of Research and Development Greece «Measurements of vertical ozone columns»

SCHOLARSHIPS/AWARDS/FELLOWSHIPS

01/2010-12/2012	EU-FP7-PEOPLE-Marie Curie – European Reintegration grant "ACI/UV". Aerosol and Cloud Influence on global surface UV irradiance retrieve from satellite sensors
05/2008-11/2009	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".
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"

LANGUAGES

Greek: Excellent,
English: Excellent,
French: Fair

EDITOR/REVIEWER IN SCIENTIFIC JOURNALS

Editor in Atmospheric Chemistry and Physics (since 2013)

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

Reviewer in: 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

TEACHING/Supervisor EXPERIENCE

Environmental Physics, MSc, Aristotle Univ. of Thessaloniki (A.U.th.). Lesson: Field Measurements 1 (2003-2007)

Environmental Physics, MSc, A.U.Th Lesson: Field Measurements 2 (2003-2007)

Environmental Physics, MSc, A.U.Th Lesson: Environmental Science Subjects (2005-2007)

Environmental Physics, MSc, A.U.Th Lesson: Measurements of Atmospheric Aerosols (2011-2013)

External Evaluator, MSc of Environmental science and engineering, University of Thrace, 2013-2014

Remote sensing of the Environment, MSc Univ. Peloponnese, Lesson: Remote sensing of the Atmosphere 2015-2018

Member of the supervising committee (3 persons) for the following PhD students:

- Panagiotis Raptis, Nat. and Kapodestrian Univ. of Athens, “Development of methodologies for the retrieval of aerosols and trace gases using solar spectral measurements”, 2014-
- Panagiotis Kosmopoulos, Aristotle Univ. Thessaloniki, “Methods of forecasting solar energy using ground based and satellite based data”, 2013-2018
- Christina Koti, Univ. of Patras, “Measurement techniques for solar radiation assessment for energy applications”, 2012-
- Manolis Proestakis, Univ. of Patras, “Investigation of the cloud indirect effect with ground based and satellite measurements”, 2014-
- Myrto Gratsea, Univ. of Crete, “Measurements of Trace gases over Athens area with remote sensing techniques”, 2014-
- Elena Montilla Rosero, Universidad de Valladolid, “Aerosol absorption measurements at the ALOMAR subarctic station”, 2004-2008.

Collaboration with the Physics Department of the National and Kapodestrian University of Athens, Aristotle University of Thessaloniki, University of Ioannina, Dem. Univ. of Xanthi, University of Aegean, Univ. of Patras and the Finnish Meteorological Institute: participation in scientific supervising committees of 6 Bachelor, 4 MSc Thesis.

Invited presentations to peer-reviewed, internationally established conferences and/or international advanced schools

- WMO, [Global Atmospheric Watch Training and Education Center](#) Aerosol Optical properties and solar radiation, May 2016 & September 2017
- [2nd ECARS Summer school](#), Satellite Cal/Val Activities employing ground-based remote sensors, Agios Nikolaos and Finokalia, Crete, Greece, April 2017
- Delft Univ. of Technology,, Aerosol Impact on solar radiation, April, 2014

FUNDING ID/participation in funded projects

Project Title	Host Institute	Budget (host) (KEuro)	Source	Role	Start / End dates
inDust COST Action	PMOD/WRC	variable	EU COST Action	Principal Investigator	11/2017 10/2021
ATLAS-III	PMOD/WRC	120	European Space Agency	Research Assistant	01/2018 12/2018
ATLAS-II	PMOD/WRC	150	European Space Agency	Research Assistant	07/2016 12/2016
GEO-CRADLE	PMOD/WRC	120	EU- Horizon 2020	Principal Investigator (PMOD)	02/2016 01/2018
ATLAS, characterization of spectroradiometers with a tunable laser	PMOD/WRC	400	European Space Agency	Research Assistant	05/2015 07/2016
Researchers Night Athens	IERSD/NOA	45	MSC-RN-H2020, European Commission	Principal Investigator	05/2014 12/2015
MarcoPolo – Monitoring and Assessment of Regional air quality in China using space Observations	IAASARS/NOA	200	European Commission, FP7 Space	Research Assistant	01/2014 12/2016

Urban clusters impact on regional Air pollution and climate and generic visualization software for satellite data applications (AeroVis)	Un. Of Thrace	60	GSRT Greek-Chinese cooperation	Research Assistant	11/2013 04/2014
Development of Synergistic methodologies and tools for monitoring and forecasting environmental parameters	IERSD National Observatory of Athens	1014	National Strategic Reference Framework of Greece	Assoc. Principal Investigator	01/2013 08/2015
Building Capacity for a Centre of Excellence for EO-based monitoring of Natural Disasters	IERSD National Observatory of Athens	2800	EU-FP7-Regpot-2013	Research Assistant	03/2013 02/2016
Global mapping of aerosol properties using neural network inversions of ground and satellite based data	IERSD National Observatory of Athens	222	EU-FP7-People Marie Curie IEF	Principal Investigator/Supervisor	03/2012 02/2014
Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies	ISARS National Observatory of Athens	200	European Space Agency	Research Assistant	03/2012 07/2013
Aerosol and Cloud Influence on global surface UV irradiance retrieved from satellite sensors	IERSD National Observatory of Athens	45	EU-FP7-People Marie Curie IEF	Principal Investigator	06/2010 05/2013
Climate Change Initiative Ozone	National and Kapodestrian Univ. of Athens, Greece	60	ESA	Research Assistant	09/2010 08/2013
National Network for Solar Energy	National and Kapodestrian Univ. of Athens, Greece	48	General Secretary of Research and Development Greece	Research Assistant	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	Principal Investigator /IE Fellow	05/2008 11/2009
Fog forecasting and dissipation at Thessaloniki airport	Department of Geology, A.Univ.Thessaloniki, Greece	12	Latsis foundation	Research Assistant	1/2008 6/2008
Global Earth Observation And Monitoring	National and Kapodestrian Univ. of Athens, Greece	48	EU FP6	Research Assistant	12/2007 05/2008
Stratospheric-Climate Links with Emphasis on the Upper Troposphere and Lower Stratosphere	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	387	European Commission FP6	Research Assistant	01/2005 11/2007
Validation of UV radiation, total ozone and aerosol measurements derived from	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki,	73	Ministry of Development - National	Research Assistant	05/2006 04/2008

OMI instrument on board the AURA satellite from the ground in a complex aerosol environment	Greece		Research and Technology Council		
Aerosol Climatology over Eastern Mediterranean with the use of satellite and ground-based sensors	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	6	Aristotle University Research Committee scholarship of Excellence	Principal Investigator	01/2008 12/2008
Climatology of aerosol optical properties over Thessaloniki, Greece	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	9	Greek State Scholarship Foundation, Greece	Principal Investigator	01/2006 06/2007
Greek UV Radiation Network	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	340	General Secretary of Research and Development Greece	Research Assistant	09/2004 12/2004
Quality assurance of Spectral Ultraviolet Measurements in Europe through the Development of a Transportable Unit	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	380	European Commission FP5	Research Assistant	01/2002 12/2004
Actinic Flux Determination from Measurements of Irradiance	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	96	European Commission FP5	Research Assistant	11/2000 12/2002
Influence of clouds on the spectral actinic flux in the lower troposphere	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	151	EC Energy	Research Assistant	09/2005 12/2005

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. 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.
2. **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.
3. 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.
4. Bais, A. F., B. G. Gardiner, H. Slaper, M. Blumthaler, G. Bernhard, R. McKenzie, A. R. Webb, G. Seckmeyer, B. Kjeldstad, T. Koskela, P. Kirsch, J. Gröbner, J. B. Kerr, **S. Kazadzis**, K. Leszczynski, D. Wardle, C. Brogniez, W. Josefsson, D. Gillotay, H. Reinen, P. Weihs, T. Svenoe, P. Eriksen, F. Kuik, A. Redondas, "SUSPEN intercomparison of ultraviolet spectroradiometers", *J. Geophys. Res.* 106, 12,509-12,526, 2001.
5. Kazantzidis, A., D. S. Balis, A. F. Bais, **S. Kazadzis**, E. Galani, E. Kosmidis and M. Blumthaler, "Comparison of model calculations with spectral UV measurements during the SUSPEN campaign: the effect of aerosols", *J. Atmos. Science.*, Vol. 58, Issue12, 1529-1539, 2001.
6. D.S. Balis, V. Amiridis, C. Zerefos, E. Gerasopoulos, M. Andreae,, P. Zanis, A. Kazantzidis, **S. Kazadzis** and A. Papayannis , "Raman lidar and sunphotometric measurements of aerosol optical properties during a bio-

- mass burning episode over Thessaloniki, Greece". *Atmospheric Environment*. 37, 4529-4538, 2003
7. Kylling, A. Webb, A. R. Bais, A. F. Blumthaler, M. Schmitt, R. Thiel, S. Kazantzidis, A. Kift, R. Misslbeck, M. Schallhart, B. Schreder, J. Topaloglou, C. **Kazadzis**, S. Rimmer, J. "Actinic flux determination from measurements of irradiance" *J. Geophys. Res.* Vol. 108, No. D16, 2003.
 8. D. S. Balis, V. Amiridis, C. Zerefos, A. Kazantzidis, S. **Kazadzis**, A. F. Bais, C. Meleti, A. Papayannis, V. Matthias, and H. Dier. "Study of the effect of different type of aerosols on UV-B radiation from measurements during EARLINET" *Atmospheric Chemistry and Physics* 4, 307-321, 2004
 9. S. **Kazadzis**, C. Topaloglou, A. F. Bais, M. Blumthaler, D. Balis, A. Kazantzidis , B. Schallhart "Actinic flux and O1D photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece". *Atmospheric Chemistry and Physics*, 4 4191-4225, 2004
 10. A F. Bais, A. Kazantzidis, S. **Kazadzis**, D. Balis, C. S. Zerefos, C. Meleti, "Effects of aerosol optical depth and single scattering albedo on surface UV irradiance". *Atmospheric Environment*, 39, 1093-1102, 2005
 11. S. **Kazadzis**, A. Bais, , N. Kouremeti, E. Gerasopoulos, K. Garane, M. Blumthaler, B. Schallhart, A. Cede "Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval", *Applied Optics*, 44 (9), 1681-1690 2005
 12. C. Topaloglou, S. **Kazadzis**, A. F. Bais, M. Blumthaler, B. Schallhart, D. Balis."NO₂ and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece." *Atmospheric Chemistry and Physics* Vol. 5, pp 1645-1653, 2005
 13. A. Kylling, A. R. Webb, R. Kift, G. P. Gobbi, L. Ammannato, F. Barnaba, A. Bais, S. **Kazadzis**, M. Wendisch, E. Jakel, S. Schmidt, A. Kniffka, S. Thiel, W. Junkermann, M. Blumthaler, R. Silbernagl, B. Schallart, B. Kjeldstad, T. M. Thorseth, R. Scheirer, and B. Mayer, "Spectral Actinic flux in the Lower Troposphere: Measurement and 1-D Simulations for Cloudless, Broken Cloud and Overcast Situations", *Atmospheric Chemistry and Physics*, Vol. 5, pp 1975-1997, 2005
 14. A. Papayannis, D. Balis, V. Amiridis, G. Chourdakis, G. Tsaknakis, C. Zerefos, A.D.A. Castanho, S. Nickovic, S. **Kazadzis** and J. Grabowski, "Measurements of Saharan dust aerosols over the Eastern Mediterranean using elastic backscatter-Raman lidar, spectrophotometric and satellite observations in the frame of the EARLINET project", *Atmospheric Chemistry and Physics*, Vol. 5, pp 2065-2079, 2005
 15. J. Grobner, J. Schreder, S. **Kazadzis**, A. F. Bais, M. Blumthaler, P. Gorts, R. Tax, T. Koskela, G. Seckmeyer, A. R. Webb, "A travelling reference spectroradiometer for routine quality assurance of spectral solar ultraviolet irradiance measurements", *Applied Optics*, 44 (25) 2005
 16. V. Amiridis, D.S. Balis, S. **Kazadzis**, A. Bais, E. Giannakaki, A. Papayannis and C. Zerefos "Four-year aerosol observations with a Raman lidar at Thessaloniki, Greece, in the framework of EARLINET", *J. of Geophys. Res.*, 110, D21203, doi:10.1029/2005JD006190, 2005
 17. A. Bais, S. **Kazadzis**, K. Garane, N. Kouremeti, J. Gröbner, M. Blumthaler, G. Seckmeyer, A.R. Webb, T. Koskela, P. Görts, J. Schreder "A portable device for characterizing the angular response of UV spectroradiometers" *Applied Optics*, 44., (32), 2005
 18. A. Arola, S. **Kazadzis**, N. Krotkoc, A. Bais, J. Herman, K. Lakkala,. "Assessment of TOMS UV bias due to the absorbing aerosols" *J. Geophys. Res.*, VOL. 110, D23211, doi:10.1029/2005JD005913, 2005
 19. Alexander Cede, S. **Kazadzis**, Matt Kowalewski, Alkis Bais, Natalia Kouremeti, Mario Blumthaler, Jay Herman, "Solar zenith angle effect on direct irradiance measurements of Brewer spectrophotometers due to polarization" VOL. 33, L02806, doi:10.1029/2005GL024860, *Geophys. Res. Letters*, 2006
 20. Julian Gröbner, Mario Blumthaler, Stelios **Kazadzis**, Alkis Bais, Ann Webb, Josef Schreder, Gunther Seckmeyer, Diana Rembges „Quality Assurance of spectral solar UV measurements: Results from 26 UV monitoring sites in Europe, 2002 to 2004" *Metrologia* 43, S66–S71, 2006
 21. Balis D., V. Amiridis, S. **Kazadzis**, S. Nickovic, A. Papayannis, G. Tsaknakis, N. Kalivitis, M. Kanakidou, N. Mihalopoulos, M. Vrekoussis, G Chourdakis and M. Drakakis, "Characteristics of desert dust over the East Mediterranean regions" *Annales Geophysicae*, Pages 807-821. SRef-ID: 1432-0576-ag, Volume 24, N. 3, 2006
 22. Nobuo Munakata, Santoso Cornain, Mpu Kanoko, Ketut Mulyadi, Sri Lestari, Widodo Wirohadidjojo, David Bolseé, Stelios **Kazadzis**, Victor Meyer-Rochow, Nelson Schuch, Claudio Casiccia, Motohisa Kaneko, Chung-Ming Liu, Kowichi Jimbow, Toshiaki Saida, Chikako Nishigori, Katsumi Ogata, Shigeo Nonaka, Kotaro Hieda and Masamitsu Ichihashi "Biological Monitoring of Solar-UV Radiation at 17 Sites in Asia, Europe and South America from 1999 to 2004". Pages 689-695, Vol. 82 N. 3 *Photochemistry and Photobiology*, 2006

23. Meinander O, **Kazadzis** S., Blumthaler M., Ylianttila L., Johnsen B., Lakkala K., Koskela T. and Josefsson W. "Diurnal discrepancies in spectral solar UV radiation measurements" Vol. 45, No. 21 Applied Optics, 2006
24. Kazantzidis A, A. F. Bais, J. Gröbner, J. Herman, S. **Kazadzis**, N. Krotkov, E. Kyrö, H. Reinen, P.N. den Outer, K. Garane, P. Görts, K. Lakkala, C. Meleti, H. Slaper and T. Turunen "Comparison of ground-based and TOMS surface UV irradiances over four stations in Europe" VOL. 111, D13207, doi:10.1029/2005JD006672 J. Geophys. Res.. 2006
25. M. E. Koukouli, D. S. Balis, V. Amiridis, S. **Kazadzis**, A. Bais, S. Nickovic, O. Torres. "Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index 40 (2006) 5367–5378 Atmospheric Environment, 2006
26. K. Garane, A. Bais, S. **Kazadzis**, A. Kazantzidis, C. Meleti, "Monitoring of UV spectral irradiance at Thessaloniki (1990-2005): Data re-evaluation and quality control" Annales Geophysicae, Vol. 24, pp. 3215-3228, 2006
27. Alexandros Papayannis, Chen Yong Fu, Zhang Huaiqing, Vassilios Amiridis, Stylianos **Kazadzis**, Georgios Chourdakis, Georgios Georgoussis, Carlos Pérez, Hong-Bin Chen, Philippe Goloub, Rodelize-Elisabeth Mamouri and Dimitrios Paronis, Extra-ordinary dust event over Beijing, China during April 2006: lidar, sun photometric, satellite observations and model validation Geophysical Research Letters, Vol. 34, 107806, doi:10.1029/2006gl029125, 2007
28. S. **Kazadzis**., A. Bais, V. Amiridis, D. Balis, C. Meleti, N. Kouremeti, C. S. Zerefos, S. Rapsomanikis, M. Petrakakis, A. Kelesis, P. Tzoumaka, K. Kelektoglou, Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece, Atmospheric Chemistry and Physics, Vol. 7, pp 2091-2101, 2007
29. C. S. Zerefos, E. Gerasopoulos, I. Tsagouri, B. Psiloglou, A. Belehaki, T. Herekakis, A. Bais, S. **Kazadzis**, C. Eleftheratos, N. Kalivitis, and N. Mihalopoulos. Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse Atmospheric Chemistry and Physics 2007, Vol.7, pp. 4943-4951 SRef-ID: 1680-7324/acp/2007-7-4943
30. E. Giannakaki, D.S. Balis, V. Amiridis and S. **Kazadzis**, Optical and geometrical characteristics of cirrus clouds over a mid-latitude lidar station, Atmospheric Chemistry and Physics, Vol. 7, 5519-5530, 2007
31. **Kazadzis**, S., Bais, A., Blumthaler, M., Webb, A., Kouremeti, N., Kift, R., Schallhart, B., and Kazantzidis, A.: Effects of total solar eclipse of 29 March 2006 on surface radiation, Atmos. Chem. Phys., 7, 5775-5783, 2007
32. A. Kazantzidis, A. Bais, C. Emde, S. **Kazadzis**, and C. Zerefos Attenuation of global ultraviolet and visible irradiance over Greece during the total solar eclipse of 29 March 2006 Atm. Chemistry and Physics 7, 5959-5969, 2007
33. S. Thiel, S., M. Blumthaler, E. Jäkel, R. Scheirer, L. Ammannato, A. Bais, B. Bandy, B. Bohn, O. Engelsen, G. P. Gobbi, J. Groebner, W. Junkermann, S. **Kazadzis**, R. Kift, B. Kjeldstad, N. Kouremeti, A. Kylling, B. Mayer, P. Monks, C. Reeves, B. Schallhart, S. Schmidt, R. Schmitt, J. Schreder, R. Silbernagl, C. Topaloglou, T. M. Thorseth, A.R. Webb, M. Wendisch, P. Werle: Influence of clouds on the spectral actinic flux in the lower troposphere (INSPECTRO): overview of the field campaign" Atm. Chemistry and Physics., 8, 1789-1812, 2008
34. N. Kouremeti, A. Bais, S. **Kazadzis**, M. Blumthaler and R. Schmitt, A CCD spectrometer for direct solar irradiance and sky radiance measurements, Applied Optics, Vol. 47, No. 10, 2008
35. C. Topaloglou, B. Mayer, S. **Kazadzis**, A. Bais, M. Blumthaler Estimation of photolysis frequencies from TOMS satellite measurements and routine meteorological observations, Annales Geophysicae, 26 1965-1975, 2008.
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Publication overview and Impact factors

	Journal	Publisher	Impact Factor (2014)	Number of publications
1	Atmospheric Chemistry and Physics	Copernicus Publications, European Geophysical Union	5.11	26
2	Geophysical Research Letters	American Geophysical Union	4.19	3
3	Atmospheric Environment	Elsevier Science	3.28	8
4	Photochemistry and Photobiology	Wiley	2.26	2
5	Atmospheric Measurement Techniques	Copernicus Publications, European Geophysical Union	2.93	9

6	Journal of Geophysical Research	Union American Geophysical Union	3.42	7
7	Atmospheric Research	Elsevier Science	2.84	4
8	Annales Geophysicae	Copernicus Publications, European Geophysical Union	1.70	6
9	Photochemistry and Photobiology Science	Royal Society of Chemistry	2.26	2
10	Applied Optics	Optical Society of America	1.78	6
11	Metrologia	IOP Publishing	2.04	1
12	Tellus	Wiley online Library	3.36	1
13	International Journal of Remote Sensing	Taylor & Francis	1.65	2
14	Atmosphere-Ocean	Taylor & Francis	1.20	1
15	Geophysica	Geophysical Society of Finland	1.10	1
16	Natural Hazards Earth Syst. Science	Copernicus Publications, European Geophysical Union	1.36	1
17	Atmospheric Science letters	Wiley	1.52	1
18	Energy	Elsevier Science	4.84	2
19	Journal of Quantitative Spectroscopy and Radiative Transfer	Elsevier Science	2.64	2
20	Atmospheric Science letters	Wiley	1.57	1
21	Science of the total Environment	Elsevier	3.97	1
22	Atmosphere	MDPI	1.47	1

PUBLICATIONS IN CONFERENCE PROCEEDINGS

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MEMBER IN SCIENTIFIC COMMITTEES

Head of World Optical depth Research and Calibration Center of WMO
Member of the Scientific advisory group for Aerosols of WMO (WMO-SAG)
PI of the NOA spectroradiometric station in Athens, Greece
Member of the Global Atmospheric Watch – Swiss panel
Swiss national representative in EU-COST action inDUST
Member in the scientific Committee of International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014

MEMBER IN SCIENTIFIC SOCIETIES

Member of the European Geophysical Union
Member of the Optical Society of America
Member of the Greek Meteorological Society

PARTICIPATION IN FIELD CAMPAIGNS

Campaign of the PAUR project, Ag. Efstratios, Greece, 6-20 June 1996.
Fourth European Intercomparison of Ultraviolet Spectroradiometers, 1-13 July 1997, Nea Michaniona, Greece.
Biodos Campaign of biological dosimeters 15-22 July 1997, Nea Michaniona, Greece.
Bavarian solar radiation Campaign, Hohenpeissenberg, Germany 15-22, May 1997.
Campaign of the PAUR II project, Crete, Greece, 3-21 May 1999.
Intercomparison of spectroradiometers. Ispra Campaign, May 2001
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.
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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
Aerosol Campaign, Thessaloniki 12-25 July, 2006. SCOUT-O₃ project.
OMI UV and aerosol campaign Thessaloniki 1-30 October 2007
SNORTEX snow albedo campaign, Sodankyla Finland April 21-27, 2009
IS4Fires burning experiment Hyytiala, Finland June 26, 2009
QASUME field campaign June 2010, Jokioinen, Finland
ACEMED (Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean), Aegean Sea, September 2011
CHARADMExp campaign: Characterization of Aerosol mixtures of Dust And Marine origin, June-July 2014, Finokalia, Crete
Organization and coordination of the WMO supported 4th Filter Radiometer Comparison at PMODWRC, October 2015
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Responsible for the Greek UV Index provision (<http://www.meteo.gr/meteoplus/uv.cfm>).

Member of the Atmospheric Physics and Chemistry Group (<http://apcg.meteo.noa.gr/>)

Evaluator of proposals of the Greek General Secretary of research and technology (2013-)

Evaluator of proposals of the National Committee of Science and Technology of Chile, 2010-2011.