

CURRICULUM VITAE and List of Publications

STYLIANOS KAZADZIS PHD,

ASSOCIATE RESEARCHER

INSTITUTE OF ENVIRONMENTAL PHYSICS AND SUSTAINABLE DEVELOPMENT

NATIONAL OBSERVATORY OF ATHENS

ATHENS, GREECE

Name:	Stylianos A. Kazadzis
Date of Birth	23/04/1971 Thessaloniki, Greece
Family Data:	Married, one child
Current Position:	Associate Researcher
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Summary of research interests and achievements

Stylianos Kazadzis (SK) has 15 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).

He has 63 accepted publications in peer reviewed scientific journals that have received 1146 citations [h index=20] and 722 excluding self-citations of all authors, (citation per article = 20 and Mean Journal Impact factor = 3.5) –ISI Web of knowledge, November 2013-. Moreover, he has 100 accepted publications in conference proceedings and he has participated in 30 international conferences. He has experience on solar radiation, aerosol and trace gases measurements and has participated in a number of field campaigns most of them as a responsible scientist of the reference European solar spectroradiometer (based on JRC, Ispra 2000-2002). Since 2000, SK has participated (under contract) in 18 European funded and 4 national (Greek) projects. He has contributed to 3 EU and 1 World Meteorological Organization reports. He has been a member of the supervising committee of 4 MSc and 2 PhD students working on aerosol, solar radiation and satellite related scientific issues. He has been an active reviewer in more than 15 scientific Journals including (Journal of Geophysical Research, Atmospheric Chemistry and Physics, Geophysical Research Letters, Atmospheric Environment and others).

Scientific interests/achievements

- **Solar radiation measurements:** SK was responsible for the operation, quality assurance and quality control of spectroradiometers and broadband meters measuring UV radiation from 1996-2000 at the Aristotle University of Thessaloniki. During the EU-QASUME project SK has been working as principle operator of the European reference spectroradiometric unit (JRC Ispra, Italy). He has visited 20 European institutes involved with UV irradiance monitoring and provided scientific reports assessing their regular operation. He is the responsible for the UV Index forecast for Greece, provided by the National Observatory of Athens. (<http://www.meteo.gr/uv.asp>). He is the responsible of the UV solar radiometric station at the Navarino Environmental Observatory (Messinia, Greece). He is a collaborator in the Greek national project “National Network of Solar Energy”.
- **Instrument development and characterization:** SK took part in the development of the reference spectroradiometer (QASUME EU project). He also contributed to the development of Couple Charged Device instrumentation for measurements of the solar irradiance and sky radiance (Thessaloniki, Greece) and the Bentham UV-VIS spectroradiometer at the Finnish Meteorological Institute. He is a co-author of a WMO report on the characterization and calibration of broadband solar UV meters. He has developed various measurement set-ups including a spectral solar UV and visible albedo spectral measuring system.
- **Aerosol Research:** SK is involved with aerosol research through his participation to the organization of the SCOUT-O3 EU project aerosol campaign. In addition, he got two scholarships one from the Greek State Scholarship Institute and one excellence project award from Aristotle University of Thessaloniki,

Greece, both related with aerosol characterization with ground based and satellite measurements in the Mediterranean region. He has experience of ground based aerosol remote sensing instrumentation (CIMEL, LIDAR, PFR). He is a member of the Atmospheric Chemistry aerosol measuring station of IERSD-NOA. He has participated in various satellite aerosol validation experiments and studies.

- **Satellite retrievals of UV irradiance and aerosol related parameters:** SK has been working with satellite retrievals through his Marie Curie Fellowship and Marie Curie Return Grant mostly on validation of AURA satellite data (FMI, Helsinki, Finland). He has a number of publications related with OMI, MODIS and CALIPSO satellite aerosol and UV related products. He has been contributing to the OMI satellite UV retrieval algorithm and post processing algorithms. He is currently involved in FP7 ACI-UV (Aerosol and Cloud Influence on global surface UV irradiance retrieve from satellite sensors), (fellow researcher), and Aerosol AEROMAP (Global mapping of aerosol properties using neural network inversions of ground and satellite based data - supervisor/coordinator). He participates as a collaborator in two ESA funded projects LIVAS (Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies) and CCI Ozone, (Climate Change Initiative for Ozone) on-going research projects.
- **Solar radiation applications and effects:** He has developed algorithms for aerosol optical depth retrieval (MSc and part of PhD Thesis) and the determination of actinic flux from measurements of the global solar irradiance (ADMIRA and INSPECTRO, EU projects). He has also contributed to a number of publications related with biological effects of solar UV irradiance.
- **Experimental field campaigns:** He has participated in a large number (more than 30) of international field campaigns mainly related with instrument operation, data processing, analysis and interpretation of solar irradiance and aerosol related measurements.

UNDERGRADUATE AND GRADUATE STUDIES

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

BA in Physics, Physics Department (7.11/10), Aristotle University of Thessaloniki, Greece, 1994. (BA Thesis: "Measurements of albedo ground measurements for solar UV wavelengths")

Master Degree in Environmental and Atmospheric Physics (9.24/10), University of Thessaloniki, Greece, 1996. (MSc Thesis: "Aerosol optical depth retrieval from direct sun-photometric measurements")

Ph.D. in Atmospheric Physics, University of Thessaloniki, Greece, 2000. (PhD Thesis: "Advances and applications on solar Ultraviolet spectral irradiance measurements", Sci. Supervisor Prof. A. F. Bais)

WORKING EXPERIENCE

11/2009-	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: C ENVIRONMENT Stratospher-Climat Links With Emphasis On The UTLS (SCOUT-O3)
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 “ <i>Aerosol Climatology over Eastern Mediterranean with the use of satellite and ground-based sensors</i> ”
01/2006-06/2007	Greek State Scholarship Foundation, Greece. Scholarship award for the Post-Doc Research: “ <i>Climatology of aerosol optical properties over Thessaloniki, Greece</i> ”

LANGUAGES

Greek: Excellent,
English: Excellent,
French: Fair

TEACHING 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

FUNDING ID/participation in funded projects

Project Title	Host Institute	Budget - host (KEuro)	Source	Role	Start / End dates
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	ISARS National Observatory of Athens	1100	National Strategic Reference Framework of Greece	Research Assistant	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-Climatic 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 OMI instrument on board the AURA satellite from the ground in a complex aerosol environment	Laboratory of Atmospheric Physics, A.Univ.Thessaloniki, Greece	73	Ministry of Development - National Research and Technology Council	Research Assistant	05/2006 04/2008
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 biomass 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. Gorts, 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. Gorts, 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.
 36. Andreas Kazantzidis, Alkiviadis F. Bais, Maria Melina Zempila, Stelios Kazadzis, Peter N. den Outer, Tapani Koskela and Harry Slaper Calculations of the human Vitamin D exposure from UV spectral measurements at three European stations, *Photochem. Photobiol. Sci.*, 8, 45 - 51, DOI: 10.1039/b811216a, 2009
 37. E. Katragkou, S. Kazadzis, V. Amiridis, V. Papaioannou, S. Karathanasis, D. Melas, PM10 regional transport pathways in Thessaloniki, Greece, *Atmospheric Environment* 43 1079–1085, 2009
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MEMBER IN SCIENTIFIC COMMITTEES

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.
Inspectro Campaign, East Anglia UK August 28- September 28 2002.
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. Inspectro Campaign, Munich, Germany, May 3- May 30, 2004.
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
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ACEMED (Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean), Aegean Sea, September 2011

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REVIEWER IN SCIENTIFIC JOURNALS

Atmospheric Chemistry and Physics, Atmospheric Environment, Journal of Geophysical Research, Geophysical Research Letters, Atmospheric Research, Annales Geophysicae, Aerosol and Air Quality Research, Particology, 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

THESIS – MONOGRAPHS

S. **Kazadzis**: "Ground albedo in the ultraviolet region" Physics Degree Thesis, University of Thessaloniki, Physics Department, (1994).

S. **Kazadzis**: "Aerosol optical depth retrieval with the aid of ultraviolet spectral measurements" Master degree thesis, University of Thessaloniki, Physics Department, (1996).

S. **Kazadzis** . : "Improvements and applications in ultraviolet spectral measurements", Ph.D. thesis, University of Thessaloniki, Physics Department, (2000).

S. **Kazadzis** . : "Validation of Aerosol optical Properties and surface Irradiance measured from Ozone Monitoring Instrument on board of AURA satellite. Final Report EU-FP7-PEOPLE-Marie Curie – Intra European Fellowship. (2009)

S. **Kazadzis** . : "Aerosol Climatology over Eastern Mediterranean with the use of satellite and ground-based sensors", Aristotle University Research Committee scholarship of Excellence (2008)

S. **Kazadzis** . : "Climatology of aerosol optical properties over Thessaloniki, Greece" Greek State Scholarship Foundation, Greece. Scholarship award for the Post-Doc Research (2007)