

## PERSONAL INFORMATION

**Melina Maria Zempila**

- 📍 Thessaloniki (Greece)
- ✉ melina.zempila@colostate.edu, mzempila@auth.gr
- 🌐 <http://uvb.nrel.colostate.edu/UVB/uvb-staff.jsf>

Sex Female | Date of birth 29/01/1982 | Nationality Greek

## WORK EXPERIENCE

01/12/2015–Present

**Research Scientist I**

UVMRP-NREL, Colorado State University, Fort Collins (United States)

Transfer of solar radiation in the atmosphere

Remote sensing of atmospheric parameters influencing the amount of solar radiation reaching the Earth's surface

Development of data analysis techniques

Calibration procedures

Quality control practices

Development and validation of radiative transfer codes and various related data processing algorithms

Primary source for answering scientific questions from stakeholders and data users.

Prepare supporting documents.

Participation in Scientific Conferences, publication of the studies.

Preparation- review of reports

Funding: USDA

01/09/2013–31/12/2015

**Postdoctoral Research Assistant**

IKY - SIEMENS (State Scholarships Foundation), Thessaloniki (Greece)

"Energy / Renewables: Research and analysis of the Solar Energy field at the Eastern Mediterranean region – State of the art."

Instrumentation technical support, monthly calibration and daily QA/QC check for 9 NILU-UV multi-channel actinometers and 13 Kipp & Zonnen pyranometers.

Daily check of the smooth operation of the UVNET and HELIONET sites

Improve model estimations of GHI, DNI and inclined GHI via ground-based measurements in 12 locations over the Greek territory with the use of satellite derived atmospheric parameters.

Introduction of new methods to fill in missing GHI data through model estimations.

Creation of atlases of GHI, DNI and inclined GHI for the exploitation of solar energy (Photovoltaic panels and solar thermal power plants) in Greece.

Introduction of innovative methods to derive GHI from PAR measurements resulting from measurements of 12 stations in Greece.

Prepare supporting documents, finalizing and publishing the reports.

Participation in Scientific Conferences, publication of the studies.

Preparation- review of reports

Project management

Funding: Siemens

23/02/2015–30/06/2015

**Special education instructor**

Public vocational institutes, Thessaloniki (Greece)

Physics instructor  
Funding: Greek State

20/05/2014–30/04/2015

**Environmental Scientist**

Municipality of Pilea-Hortiatis, Thessaloniki (Greece)

"Innovation for renewable energy and energy efficiency solutions in Mediterranean regions and cities – GRASP".

Provide scientific advices and programme management (GRASP-MED programme).

Coordination of the Municipality's project team.

Cooperate with the technical team in order to provide feedback on their deliverables (Data Bases and tools). Writing and revising technical reports.

Cooperate with the 12 partners, exchange experience and knowledge.

Organize meetings and associated workshops –seminars.

Prepare supporting documents, taking and writing up the notes, finalizing and publishing the reports.

Project management.

Project: GRASP

Funding: MED

21/05/2006–31/08/2013

**Scientific researcher - Physicist**

A.U.TH. Research Committee, Thessaloniki (Greece)

Please see the attached file for further information.

[Related document\(s\): Zempila.pdf](#)

**EDUCATION AND TRAINING**

22/05/2006–04/07/2013

**PhD in Physics (Environmental Physics)**

EQF level 8

Aristotle University of Thessaloniki, Thessaloniki (Greece)

"Climatology of solar UV radiation in the Eastern Mediterranean region"

-Optical characterisation - spectral, angular and azimuthal responses - of 10 multi band actinometers (NILU UV)

-Corrections of the raw signals, deployment and evaluation of 2 new calibration methods at all stations of the Greek UV NETwork using radiative transfer model simulation (LibRadTran).

-Development of new methods used to access the total ozone amount, the erythemal dose, the vitamin D dose and the cloud modification factor using appropriate model, statistical and climatological analysis.

GRADE: Excellent

01/09/2003–04/10/2005

**Master Degree in Environmental Physics**

EQF level 7

Aristotle University of Thessaloniki, Thessaloniki (Greece)

"Environmental Physics"

Courses focusing on:

-Satellite data analysis

-Theoretical climate and radiation model handling

-Ground based measurements (solar radiation, atmospheric constituents)

-Statistical analysis tools

-Usage of state of the art instrumentation.

GRADE: 94.3%

01/09/1999–21/11/2003 **Bachelor Degree in Physics** EQF level 6

Aristotle University of Thessaloniki, Thessaloniki (Greece)

Knowledge in basic physics, nuclear physics, solid matter physics, electromagnetism, computational physics, mathematical physics, thermodynamics, electronics, optics, astronomy, particle physics, relativity, meteorology, atmospheric physics, etc.

GRADE: 79.2%

01/09/1994–30/06/1999 **High School Diploma** EQF level 5

Geniko Lykeio Neapolis, Thessaloniki (Greece)

High School Studies on a wide range of topics.

GCSE equivalent: Greek literature, history, geography, foreign languages, ancient Greek, theology studies, physics, mathematics, chemistry, biology, etc. Equivalent A-level examinations taken on Mathematics, Physics, Chemistry and Greek Literature in June 1999 which permitted my acceptance in the Physics Department of the Aristotle University of Thessaloniki.

GRADE: 19.6 over 20 [98%].

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Proficiency / C1					
French	B1	B1	B1	B1	B2
Certificat de langue Francais / B1					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills**

- Team spirit - especially good adaptability in multicultural environments, due to the participation in numerous international conferences, training schools, seminars.
- Adjustment and participation in discussions of different levels of scientific knowledge due to the participation in several actions, presentations of the research groups, radiometric measurements and discussion about the latest in atmospheric science at the facilities of the Laboratory of Atmospheric Physics to visiting scientists, schools, etc.
- Interaction, analytical thinking, transmission of knowledge, due to technical support of the undergraduate laboratory course of Instrumental Radiometry and auxiliary teaching to undergraduate students (2006-2011) and post-graduate students from the Meteorology, Climatology and Atmospheric Environment post-graduate program (2012-2014).

**Organisational / managerial skills**

- Organizational skills, taking initiatives and actions, ability in groups' coordination, due to participation in two national campaigns field measurements.
- Experience in organizing and managing the project 's team due to participation in nine research projects
- Experience in structuring and presentation of scientific proposals and papers, thanks to participation in the writing team of the Laboratory of Atmospheric Physics Aristotle

**Job-related skills**

- PhD in physics
- Experience in setting and using optical radiometric laboratory units (optical set up, alignment, automation and modelling)

- Experience on instrument characterisation and calibration.
- Experience in developing experimental techniques
- Experience in field calibration and intercomparison
- Experience with analyzing large data sets
- Experience with algorithm development
- Experience with radiative transfer models
  
- Excellent computer skills
- Ability to handle multiple projects
- Peer-reviewed publications
- Accurate and critical attitude
- Excellent communication skills
- Fluency in English.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Microsoft Office 2010 and bellow (Word, Excel, Power Point, Access, One note, Outlook)  
 Google Drive (Docs, Sheets, Slides)  
 Multifunction Office machines  
 Windows 7PRO and bellow  
 Linux 2.6 and on -Virtual Machine (Oracle, VMWare)  
 Fortran77 & 90, matlab  
 Origin, Mathematica

ADDITIONAL INFORMATION

Honours and awards

**2014:**

- Financial Support for the participation in the COST-WIRE Training School, Renewable Energies: short-term generation forecasting and financial implications, 22 - 26/09/2014, Montegut, France.
- Award for "Best young scientist poster", 12th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014, 28-31/05/2014, Heraklion, Greece.

**2013:**

-Scholarship from the IKY-SIEMENS programme (State Scholarships Foundation) for post doctoral research for two years (2013-2015).

**2010:**

- Financial Support for the participation in the 10th International Conference on Meteorology, Climatology and Atmospheric Physics, ComeCap, 25-28/05/2010, Patras, Greece.
- Financial Support for the participation in the XIX CONGRESS OF THE CARPATHIAN BALKAN GEOLOGICAL ASSOCIATION, 23-26/09/2010, Thessaloniki, Greece.

**2009:**

-Financial Support for the participation in the Final Seminar of COST 726, Long term changes and climatology of UV radiation over Europe, 13 - 15/05/2009, Warsaw, Poland.

**2008:**

-Financial Support for the participation in the COST 726 Training School, Long term changes and climatology of UV radiation over Europe, 06 - 10/10/2008, Vienna, Austria.

-Financial Support for the participation in the 9th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2010, 28-31/05/2008, Thessaloniki, Greece.

**2007:**

-Financial Support for the participation at the QUANTIFY Summer School, 10 - 26/09/2007, Athens, Greece.

**2005:**

-Award from IKY (State Scholarships Foundation) for thesecond year of attendance (2004-2005) at the Master's Degree of Environmental Physics due performance.

**2004:**

-Award from IKY (State Scholarships Foundation) for the first year of attendance (2003-2004) at the Master's Degree of Environmental Physics due performance.

**2000:**

-Award from Ergatiki Estia (Labour's House) during the first academic year (1999-2000) due performance.

**Seminars****2016:**

- Atmospheric Radiation Science Workshop, 08-11/03/2016, NCAR, Boulder, CO, USA.

**2015:**

-Training seminar: Teachers and lifelong learning for teachers of Natural Sciences, 09/02-24/05/2015, Hellenic Open University, Greece.

**2014:**

-Statistical Analysis and Pattern Recognition with MATLAB, 05/12/2014, Thessaloniki, Greece.

-Statistical Modeling and Optimization with MATLAB, 04/12/2014, Thessaloniki, Greece.

-Computational Experiments and Simulation with MATLAB, 04/12/2014, Thessaloniki, Greece.

-Technologies and applications of energy efficiency and renewable energy sources, with hands on use of tools, 17/10/2014, Thessaloniki, Greece.

-COST-WIRE Training School, 22 - 26/09/2014, Montegut, France.

-MATLAB Workshop: Energy system's analysis, 10/04/2014, Thessaloniki, Greece.

-Workshop: Statistical analysis and modelling with MATLAB, 10/04/2014, Thessaloniki, Greece.

**2009:**

-Final Seminar of COST 726, 13 - 15/05/2009, Warsaw, Poland.

**2008:**

-COST 726 Training School, 06 - 10/10/2008, Vienna, Austria.

**2007:**

-Introduction to MatLab, 03-05/12/2007, Thessaloniki, Greece.

-QUANTIFY Summer School, 10 - 26/09/2007, Athens, Greece.

-Remote Sensing Principals and Technologies, 21-30/05/2007, Thessaloniki, Greece.

**2004:**

-Information and Environmental Technologies, 4-22/10/2004, Thessaloniki, Greece.

**Field Campaigns**

1. OMI-Val field campaign, October 2007, Thessaloniki, Greece.

2. Scout-O3 field campaign, July 2006, Thessaloniki, Greece.

**Presentations - Speeches****2015:**

-Representative of the Laboratory of Atmospheric Physics during the program "A.U.Th. on Sundays", 10 & 17/05/2015, Thessaloniki, Greece.

-Instructor of the seminar "A smart tool for Green Public Procurement in the energy sector- MED GRASP project", 30/04/2015, Municipality of Pilea-Hortiatis, GRASP project, Thessaloniki, Greece.

#### 2013:

-Invited speaker, UV Radiation and Human, Public training "University", Municipality of Neapoli-Sykies, 21 & 27/11/2013, 04 & 10/12/2013, Thessaloniki, Greece.

#### 2012:

-Representative of the Laboratory of Atmospheric Physics during the program "A.U.Th. during Sundays", May-June 2012, Thessaloniki, Greece.

#### 2009:

-Invited speaker, UV radiation, "Rodion Paideia", 12/10/2009, Rhodes, Greece.

#### Peer Reviewed Publications

1. M.M. Zempila, M. Taylor, A. Bais, and S. Kazadzis, Modeling the relationship between photosynthetically active radiation and global horizontal irradiance using singular spectrum analysis, **Journal of Quantitative Spectroscopy and Radiative Transfer**, in print.
2. M.M. Zempila, M.E. Koukouli, A. Bais, I. Fountoulakis, A. Arola, N. Kouremeti and D. Balis, OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece, **Atmospheric Environment**, in print.
3. I. Fountoulakis, A. F. Bais, K. Fragkos, C. Meleti, K. Tourpali, and M. M. Zempila, Short- and long-term variability of spectral solar UV irradiance at Thessaloniki, Greece: effects of changes in aerosols, total ozone and clouds, **Atmos. Chem. Phys.**, 15, 35753–35785, doi:10.5194/acpd-15-35753-2015. <http://www.atmos-chem-phys-discuss.net/15/35753/2015/acpd-15-35753-2015.pdf>
4. M.M. Zempila, T. Giannaros, A. Bais, D. Melas., Evaluation of WRF Shortwave Radiation parameterization in predicting Global Horizontal Irradiance in Greece, **Renewable Energy**, S0960-1481(15)30257-3, doi: 10.1016/j.renene.2015.08.05 <http://www.sciencedirect.com/science/article/pii/S0960148115302573>
5. S. Kazadzis, A.F. Bais, D. Balis, N. Kouremeti, M.M. Zempila, A. Arola, E. Giannakaki, V. Amiridis, A.Kazantzidis, Spatial and temporal UV irradiance and aerosol variability within the area of an OMI satellite pixel, **Atmospheric Chemistry and Physics**, 9, 4593-4601, 2009. <http://www.atmos-chem-phys.net/9/4593/2009/>
6. A. Kazantzidis, A. F. Bais, M. M. Zempila, C. Meleti, K. Eleftheratos, C. S. Zerefos, Evaluation of ozone column measurements over Greece with NILU-UV multi-channel radiometers, **International Journal of Remote Sensing**, 30:15, 4273-4281, 2009. <http://www.tandfonline.com/doi/abs/10.1080/01431160902825073#.V1HC-uTI-NI>
7. A. Kazantzidis, A. Bais, M.M. 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, **Photochemical & Photobiological Sciences**, DOI: 10.1039/b811216a, 03/12/2008, 2008. <http://pubs.rsc.org/en/Content/ArticleLanding/2009/PP/B811216A#divAbstract>

#### Peer Reviewed Conference Proceedings

1. Zempila M.M., Taylor M., Fountoulakis I., Bais A., Kazadzis S. and Fragkos K., Introducing a cloud screening detector using global horizontal irradiances in UV and PAR in Thessaloniki, Greece, **ComeCap 2016**, 19/09-21/09/2016, Thessaloniki, Greece. (in print)
2. Taylor M., Koukouli M.E., Theys N., Bai J., Zempila M.M., Balis D., van Roozendaal M. and van der A R., A robust seasonality detector for time series affected by periodic drivers and sporadic events; application to SO<sub>2</sub> observations over China, **ComeCap 2016**, 19/09-21/09/2016, Thessaloniki, Greece. (in print)
3. Fragkos K., Taylor M., Bais A.F., Fountoulakis I., Tourpali K., Meleti C., Zempila M.M., Petropavlovskikh I., Multi-decadal trend analysis of total columnar ozone over Thessaloniki, Greece, **ComeCap 2016**, 19/09-21/09/2016, Thessaloniki, Greece. (in print)
4. M.M. Zempila, M.E. Koukouli, A. Bais, I. Fountoulakis, N. Kouremeti, S. Kazadzis, D. Balis., Long-term comparisons of OMI surface UV irradiances with a NILU-UV multi-filter actinometer in Thessaloniki, Greece, **The 2016 European Space Agency Living Planet Symposium**, 9-13/05/2016, Prague, Czech Republic. (in print)
5. M. M. Zempila, M. Taylor, I. Fountoulakis, M.E. Koukouli, A. Bais, N. Kouremeti, S. Kazadzis, C. Meleti, D. Balis, CIE, Vitamin D and DNA damage: A synergetic study in Thessaloniki, Greece, **The**

**2016 European Space Agency Living Planet Symposium**, 9-13/05/2016, Prague, Czech Republic. (in print)

6. I. Fountoulakis, Bais A. F., Fragkos K., Meleti C., Zempila M. M., Kouremeti N. and Tourpali K., Long-term trends and climatology of spectral surface UV irradiance at Thessaloniki, Greece, **ComeCap 2014**, 28/05-31/05/2014, Heraklion, Greece.
7. A. Bais, Kazantzidis A., Giannaros T., Zempila M.M., Kazadzis S., Nikitidou E., Tzoumanikas P., Salamalikis V., Kosmidis E., Melas D., Zerefos C., Fragkos K., Fountoulakis I., Drosoglou T. and Kotti M.C., The Hellenic Solar Energy Network: validation of products, **ComeCap 2014**, 28/05-31/05/2014, Heraklion, Greece.
8. M.M. Zempila, Kouremeti N., Bais A., Meleti C. and Fountoulakis I., Estimated Products in Thessaloniki from a NILU-UV multichannel radiometer, **ComeCap 2014**, 28/05-31/05/2014, Heraklion, Greece.
9. A. F. Bais, A. Kazantzidis, C.S. Zerefos, D. Melas, E. Kosmidis, S. Kazadzis, E. Nikitidou, Th. Giannaros, M-M. Zempila, K. Fragkos and V. Salamalikis, Hellenic Network for Solar Energy, **ComeCap 2012**, 30/05-01/06/2012, Athens, Greece.
10. M.M. Zempila, C. Meleti, A. Bais and A. Kazantzidis, Climatology of Erythemally and Vitamin D weighted irradiance at Thessaloniki, Greece, from a NILU-UV Multi-filter and a YES UVB-1 radiometer, **XIX CONGRESS OF THE CARPATHIAN BALKAN GEOLOGICAL ASSOCIATION**, 23-26/09/2010, Thessaloniki, Greece.
11. M.M. Zempila, A. Kazantzidis, A. Bais, K. Eleftheratos and C. Zerefos, Evaluating the satellite-derived UV spectral irradiance against ground-based measurements, **ComeCap 2010**, 25-28 / 05/2010, Patras, Greece.
12. M.M. Zempila, A. Kazantzidis, A.F. Bais, S. Kazadzis, P.N. den Outer, T. Koskela and Harry Slapper, Calculations of the Human Vitamin D Exposure from UV Spectral Measurements at Three European Stations, **AIP Conf. Proc. 1203**, 795, 2010.
13. M.M. Zempila, A. Kazantzidis, A. F. Bais, S. Kazadzis, P. N. den Outer, T. Koskela and Harry Slaper, Calculations of the human vitamin D exposure from UV spectral measurements at three European stations, **BPU7**, 09-13/09/2009, Alexandroupolis, Greece.
14. M.M. Zempila, A. Kazantzidis, A. Bais, K. Eleftheratos and C. Zerefos, Evaluation of Satellite-Derived UV Spectral Irradiance with Ground-Based Measurements from Multichannel Radiometers, **ICST**, 24 - 26/08/2009, Thessaloniki, Greece.
15. C. Meleti, S. Kazadzis, A. Bais, A. Tanskanen, D. Balis, M.M. Zempila, N. Kouremeti, A. Kazantzidis, E. Giannakaki, M. Koukouli, V. Amiridis, J. Herman, Comparison of satellite-derived UV Irradiances against ground-based measurements at Thessaloniki, Greece., **EUROPEAN AEROSOL CONFERENCE**, 24-29/08/2008, Thessaloniki, Greece.
16. S. Kazadzis, A. Bais, A. Tanskanen, D. Balis, M. Zempila, N. Kouremeti, A. Kazantzidis, E. Giannakaki, C. Meleti, V. Amiridis and J. Herman, OMI campaign: The effect of spatial and temporal aerosol variability on OMI solar irradiance products, **EUROPEAN AEROSOL CONFERENCE**, 24 - 29/08/2008, Thessaloniki, Greece
17. A. Kazantzidis, J. Verdebout, P. Simeonidis, A. Bais, M.M. Zempila and C. Meleti, Satellite-derived surface maps of solar irradiance over Greece: methodology, first results and comparison with ground-based measurements, **ComeCAP08**, 28 – 31/05/2008, Thessaloniki, Greece.
18. S. Kazadzis, A. Bais, D. Balis, M. Zempila, N. Kouremeti, A. Kazantzidis, E. Giannakaki, M. Koukouli, C. Meleti, V. Amiridis, J. Herman and A. Taskanen, Validation of OMI-derived UV radiation, total ozone and aerosol properties against ground-based measurements, **ComeCAP08**, 28 – 31/05/2008, Thessaloniki, Greece.
19. Kazadzis S., Bais, A., Balis D., Misios S., Kouremeti N., Amiridis V., Kazantzidis A., Meleti C. Giannakaki E., Tzoumaka P., Zempila M.M., Topaloglou C., Garane K., Fragkos K., Zyrihidou E., SCOUT Aerosol Campaign: temporal and spatial variations of aerosols at Thessaloniki, Greece. **Davos UV Conference**, 18-20 September 2007, Davos, Switzerland.
20. A. Kazantzidis, A. Bais, C. Topaloglou, K. Garane, M.M. Zempila, C. Meleti and C. Zerefos, Quality assurance of the Greek UV Network: preliminary results from the pilot phase operation, *Proc. SPIE* 6362, **Remote Sensing of Clouds and the Atmosphere XI**, 636229, doi:10.1117/12.689798, 2006.

#### Conferences (peer reviewed)

1. Fountoulakis I., A. Bais, K. Fragkos, C. Meleti, M.M. Zempila and N. Kouremeti, Long term trends of erythemal irradiance at Thessaloniki, Greece derived from Brewer spectral measurements, in

- COST ACTION ES1207 EUBREUNET OPEN CONGRESS / 14th WMO-GAW BREWER USERS GROUP MEETING**, edited, State Meteorological Agency of Spain, Tenerife, Spain, 24-28/03/2014.
2. A. Kazantzidis, C. Meleti, M.M. Zempila, A. Bais, C. Zerefos and K. Eleftheratos, Evaluation of Ozone Column Measurements with NILU-UV Multi-filter Actinometers, **Quadrennial Ozone Symposium**, 29/06-07/07/2008, Tromsø, Norway.
3. Kazadzis S., Bais S., Balis D., Kazantzidis A., Misios S., Kouremeti N., Giannakaki E. and Zempila M., SCOUT aerosol campaign: Temporal and spatial variations of aerosols at Thessaloniki, Greece, **Quadrennial Ozone Symposium**, 29/06-07/07/2008, Tromsø, Norway.
4. C. Meleti et al., Comparison of satellite-derived UV Irradiances against ground-based measurements at Thessaloniki, Greece, **QOS 2008**, 29/06 - 07/07/2008, Tromsø, Norway.
5. Kazadzis S., Bais A., Balis D., Misios S., Kouremeti N., Amiridis V., Kazantzidis A., Meleti C. Giannakaki E., Tzoumaka P., Zempila M.M., Topaloglou C., Garane K., Fragkos K., Zyrihidou E., SCOUT Aerosol Campaign: temporal and spatial variations of aerosols at Thessaloniki, Greece., **Annual SCOUT-O3 meeting**, 7-11 May 2007, Crete, Greece.
6. Misios, S., Zempila, M., Fragkos, K. Zirihidou, E., Alexandri, G., Georgoulas, A., Kazadzis, S., Amoiridis, B., Bais, A., Temporal and spatial variations of aerosols at Thessaloniki, **7th Hellenic Environmental Conference**, Konitsa, Greece, 2006
7. A. Kazantzidis et al., Sensitivity of solar UV radiation calculations to ozone and temperature profiles, **QOS 2004**, KOS, Greece.

## ANNEXES

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- Zempila.pdf



## Zempila.pdf

From	To			Description of your work
(month/year) 12/2011	(month/year) 12/2011			Result processing
Exact title of your post Researcher-Physicist				Project: Connection of Stratosphere -Climate emphasizing to upper troposphere/lower stratosphere- SCOUT-O3  Funding: European Commission-Research Executive Agency - General Secretariat for Research and Technology
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais - bais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of contract				
From	To			
(month/year) 6/2011	(month/year) 11/2011			WP2.3: Progress report WP3.3:planning and validation of software report
Exact title of your post Researcher-Physicist				WP: Atlas of Solar energy in Greece WP: Upgrade and supplementation of the solar energy network Project: Hellenic Solar Network  Funding: General Secretariat for Research and Technology - EYDE-ETAK- Greek Ministry of Education, Lifelong Learning and Religion.
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais - bais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of the contract-funding				
From	To			
(month/year) 3/2011	(month/year) 4/2011			WP1.2: Methodology of short time solar radiation predictions report
Exact title of your post Researcher-Physicist				Project: Hellenic Solar Network  Funding: General Secretariat for Research and Technology - EYDE-ETAK- Greek Ministry of Education, Lifelong Learning and Religion.
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais-abais@auth.gr				
Number and kind of employees supervised by you 0				

Reason for leaving End of contract						
From	To			Description of your work		
(month/year)	(month/year)			Result processing		
12/2010	5/2011			Project: Connection of Stratosphere -Climate emphasizing to upper troposphere/lower stratosphere- SCOUT-O3		
Exact title of your post Researcher-Physicist			Funding: European Commission-Research Executive Agency - General Secretariat for Research and Technology			
Name of employer A.U.TH Research Committee						
Type of business/activity University						
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr						
Name of supervisor Alkiviadis Bais-abais@auth.gr						
Number and kind of employees supervised by you 0						
Reason for leaving End of contract						
From	To			Description of your work		
(month/year)	(month/year)			W.P.2 & 3: Conduction and handling of Measurements Preparation- review of reports		
11/2010	11/2010			Project: Deployment of Infrastructure for the validation of satellite atmospheric parameters		
Exact title of your post Researcher-Physicist			Funding: ESA-ESTEC FINANCE			
Name of employer A.U.TH Research Committee						
Type of business/activity University-Laboratory of Atmospheric Physics						
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr						
Name of supervisor Alkiviadis Bais-abais@auth.gr						
Number and kind of employees supervised by you 0						
Reason for leaving End of the contract						
From	To			Description of your work		
(month/year)	(month/year)			W.P.: Results of workshops and dissemination actions (T.P.4)		
8/2010	10/2010			Project: Creation National Research Network for the European Research Infrastructure COPAL		
Exact title of your post Researcher-Physicist			Funding: General Secretariat for Research and Technology			
Name of employer A.U.TH Research Committee						
Type of business/activity University						
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr						
Exact title of your post Researcher-Physicist						
Name of supervisor Alkiviadis Bais - bais@auth.gr						
Number and kind of employees supervised by you 0						
Reason for leaving End of contract						
From	To		Salaries per annum	Description of your work		

(month/year) 10/2009	(month/year) 7/2010			W.P.2 & 3: Conduction and handling of Measurements - Analysis of NO2 measurements
Exact title of your post Environmental Physicist				Project: Deployment of Infrastructure for the validation of satellite atmospheric parameters  Funding: ESA-ESTEC FINANCE
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais - bais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of the contract				
From To				
(month/year) 9/2009	(month/year) 9/2009			Measurements of NO2 analysis
Exact title of your post Researcher-Physicist				Project: Comparison of No2 measurements from ground and space - NO2VAL  Funding: DEUTCHES ZENTRUM FUR LUFT UND RAUMFAHRT E.V.
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais - bais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of the contract				
From To				
(month/year) 4/2008	(month/year) 8/2009			Conduction and process of measurements Preparation- review of reports
Exact title of your post Researcher-Physicist				Project: Connection of Stratosphere -Climate emphasizing to upper troposphere/lower stratosphere- SCOUT-O3 Funding: European Commission-Directorate General Joint Research Centre - General Secretariat for Research and Technology
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais-abais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of contract				
From To				

(month/year) 11/2007	(month/year) 3/2008			Conduction and process of measurements. Preparation- review of reports
Exact title of your post Researcher-Physicist				Project: Validation of UV radiation measurements, total ozone and aerosols from OMI-AURA instrument through ground based measurements  Funding: European Commission-Directorate General Joint Research Centre - General Secretariat for Research and Technology
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Name of supervisor Alkiviadis Bais-abais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of contract				
End of contract				
Description of your work				
(month/year) 9/2006	(month/year) 10/2007			Analysis and Processing of data Preparation- review of reports
Exact title of your post Researcher-Physicist				Project: Connection of Stratosphere -Climate emphasizing to upper troposphere/lower stratosphere- SCOUT-O3  Funding: European Commission-Directorate General Joint Research Centre - General Secretariat for Research and Technology
Name of employer A.U.TH Research Committee				
Type of business/activity University-Laboratory of Atmospheric Physics				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Name of supervisor Alkiviadis Bais-abais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of the contract				
End of the contract				
Description of your work				
(month/year) 9/2006	(month/year) 9/2006			Support of dissemination actions of the Laboratory of Atmospheric Physics - Aristotle University of Thessaloniki Preparation- review of reports Project: Science for Human - Technology for Society
Exact title of your post Researcher-Physicist				Funding: General Secretariat for Research and Technology
Name of employer A.U.TH Research Committee				
Type of business/activity University				
Address of employer + tel. number + e-mail 3rd September Str. - University Campus, 54636 Thessaloniki, Greece tel: +30 2310995140 e-mail: research@rc.auth.gr				
Exact title of your post Researcher-Physicist				
Name of supervisor Alkiviadis Bais - bais@auth.gr				
Number and kind of employees supervised by you 0				
Reason for leaving End of contract				