

**Harry D. Kambezidis**

Research Director

**NATIONAL OBSERVATORY OF ATHENS**

**Institute of Environmental Research and Sustainable  
Development**

**Detailed Curriculum Vitae**



**August 2018**

# CONTENTS

Description	Page
<b>ABBREVIATIONS</b>	4
<b>SECTION A – GENERAL DETAILS</b>	6
A.1. <i>Personal details</i>	6
A.2. <i>Studies</i>	6
A.3. <i>Professional activities</i>	6
A.4. <i>Research interests</i>	7
A.5. <i>Foreign languages</i>	7
A.6. <i>Member of scientific societies</i>	7
<b>SECTION B – AUCTORIAL WORK</b>	9
B.1. <i>Articles in national scientific journals</i>	9
B.2. <i>Articles in international scientific journals</i>	9
B.3. <i>Articles submitted to scientific journals</i>	20
B.4. <i>Articles in national scientific conferences - symposia</i>	20
B.5. <i>Articles in international conferences - symposia</i>	23
B.6. <i>Articles submitted to scientific conferences - symposia</i>	36
B.7. <i>Monographs – books - editions</i>	36
B.8. <i>Final technical reports</i>	38
<b>SECTION C – RESEARCH WORK</b>	41
C.1. <i>Participation in projects</i>	41
C.2. <i>Coordination of projects</i>	43
C.3. <i>Submission of projects</i>	44
<b>SECTION D – EDUCATIONAL WORK</b>	47
D.1. <i>Supervision of BSc theses</i>	47
D.2. <i>Supervision of MSc theses</i>	47
D.3. <i>Supervision of PhD projects</i>	47
D.4. <i>Supervision of training courses</i>	47
<b>SECTION E – TEACHING WORK</b>	49
E. <i>Teaching experience</i>	49
<b>SECTION F – ADMINISTRATIVE &amp; MANAGERIAL WORK</b>	52
F.1. <i>Administrative posts</i>	52
F.2. <i>Coordination of research teams</i>	55
F.3. <i>Participation in Electoral Bodies</i>	55
<b>SECTION G – INITIATIVES</b>	57
G.1. <i>Initiatives</i>	57
G.2. <i>Innovations</i>	57
G.3. <i>Invitation to scientists</i>	57

<i>G.4. Organisation of seminars – conferences – lectures</i>	58
<i>G.5. Collaborations</i>	58

<b>SECTION H – INTERNATIONAL RECOGNITION</b>	61
<i>H.1. Invitation for lecturing</i>	61
<i>H.2. Grants</i>	62
<i>H.3. Reviewer of scientific works - monographs</i>	62
<i>H.4. Evaluator of research proposals</i>	84
<i>H.5. Awards</i>	87
<i>H.6. Social activity – scientific recognition</i>	87
<i>H.7. Member of editorial boards in scientific journals</i>	90
<i>H.8. Citations to publications</i>	90

<b>SECTION I – OTHER ACTIVITIES</b>	92
<i>I.1. Various activities</i>	92
<i>I.2. Reference letters for me</i>	92
<i>I.3. Reference letters from me</i>	93
<i>I.4. Mass media conferenes</i>	94

<b>SECTION J – STATISTICAL RECORDS</b>	95
--	----



# ABBREVIATIONS

The following abbreviations are used in the present issue.

*AEI = Higher Educational Establishments, i.e. Universities (Greece)*  
*AMS = American Meteorological Society (USA)*  
*ART = Atmospheric Research Team (NOA)*  
*ARW = Advanced Research Workshop (NATO)*  
*ASI = Advanced Study Institute (NATO)*  
*ASNOA = Actinometric Station of NOA*  
*ATHIBLEX = Athens Internal Boundary-Layer Experiment (Greece)*  
*AUTH = Aristotle University of Thessaloniki (Greece)*  
*A&WMA = Air & Waste Management Association (USA)*  
*BPU = Balkan Physical Union (Balkan)*  
*CCMS = Committee for the Challenges of Modern Society (NATO)*  
*CIBSE = Chartered Institution of Building Service Engineers (UK)*  
*CIE = Commission Internationale de l' Eclairage (international)*  
*DLR = Deutsche Zentrum für Luft- und Raumfahrt (Germany)*  
*EBHE = Greek Solar Energy Industries (Greece)*  
*ECU = European Currency Unit*  
*EGS = European Geophysical Society (European)*  
*EGU = European Geosciences Union (European)*  
*EKDAA = National Centre of Public Administration & Local Authorities (Greece)*  
*EMS = European Meteorological Society (European)*  
*EMTE = Hellenic Meteorological Society*  
*EPAN = Operational Programme for Competitiveness & Entrepreneurship*  
*EPET = Operational Research & Technology Programme (Greece)*  
*ESA = European Space Agency (European)*  
*EWEA = European Wind Energy Association (European)*  
*FTR = Final technical report*  
*GEO = Group on Earth Observation (international)*  
*GSRT = General Secretariat of Research & Technology (Greece)*  
*HIC = Hellenic Illumination Committee*  
*HOT = Hellenic Organisation of Tourism (Greece)*  
*HOU = Hellenic Open University (Greece)*  
*HPU = Hellenic Physicists Union*  
*HSPMEE = Hellenic Society of Professional Mechanical-Electrical Engineers (Greece)*  
*HWES = Hellenic Wind Energy Society (Greece)*  
*IASTA = Indian Aerosol Science & Technology Association (India)*  
*IEE = Institution of Electrical Engineers (UK)*  
*IERSD = Institute for Environmental Research & Sustainable Development (Greece)*  
*IKY = State Scholarship Foundation (Greece)*  
*IR = Infra Red (infrared)*  
*ISES = International Solar Energy Society (international)*  
*KEPA = Energy Policy and Development Centre (Greece)*  
*KETA = Professional & Technical Employment Centre (Greece)*  
*MECCE = Ministry of Environment, Climate Change & Energy (Greece, ex MEPPPW)*  
*MEPPPW = Ministry of Environment, Physical Planning & Public Works (Greece)*

*MESAEP = Mediterranean Scientific Association for Environmental Protection*  
*MRM = Meteorological Radiation Model*  
*MYK = Meteorological Service of Cyprus (Cyprus)*  
*NOA = National Observatory of Athens (Greece)*  
*NATO = North Atlantic Treaty Organisation*  
*NKUA = National & Kapodistrian University of Athens (Greece)*  
*NTUA = National Technical University of Athens (Greece)*  
*OSA = Optical Society of America (USA)*  
*R&D = Research & Development*  
*RDA = Research & Development Agency (NATO, ex AGARD)*  
*RMETS = Royal Meteorological Society (UK)*  
*TEE = Technical Chamber of Greece*  
*TEI = Technological Educational Institutes (Greece)*  
*UV = Ultra Violet (ultraviolet)*



# SECTION A

## GENERAL DETAILS

### A.1. Personal details

1. *Full name* : **Harry Kambezidis**
2. *Father's name* : Demetrios
3. *Place, date of birth* : Athens, 28/5/1952
4. *Marital status* : Widowed, two children
  
5. *Home address* : Hephaistou 12, GR-166 74 Glyfada, Greece  
*Stationary telephone* : +30-210-9649909  
*Mobile phone* : +30-6974-809647  
*E-mail addresses* : [harrykam@hotmail.com](mailto:harrykam@hotmail.com)  
[kambezidis@yahoo.gr](mailto:kambezidis@yahoo.gr)  
[harrykam@gmail.com](mailto:harrykam@gmail.com)
  
6. *Work address* : National Observatory of Athens,  
Lofos Nymphon, GR-118 10 Athens, Greece  
*Stationary telephone* : +30-210-3490119  
*Facsimile* : +30-210-3490159  
*E-mail address* : [harry@noa.gr](mailto:harry@noa.gr)  
*NOA website* : <http://www.noa.gr>  
*ART website* : [http://www.meteo.noa.gr/ENG/iersd\\_art.htm](http://www.meteo.noa.gr/ENG/iersd_art.htm)  
*ORCHID ID* : 0000-0003-1249-3140

### A.2. Studies

1. BSc in *Physics* (1974) from the School of Physicomathematics, AUTH, Greece.
2. Diploma in *Computer Programming* (1975) from the Commercial College of Athens.
3. MSc in *Microwave Communications Engineering* (1976) from the Dept. of Electrical and Electronic Engineering, University of Leeds, UK.
4. MPhil in *Effect of atmosphere on radiowaves at 38 GHz* (1979) from the same Dept. as in A2.3.
5. BSc in *Electrical Engineering* (1984) from the Dept. of Electrical Engineering, University of Patras, Greece.
6. PhD in *Study of flow field behind small and big wind turbines* (1988) from the Dept. of Physics, NKUA, Greece.

### A.3. Professional activities

1. Assistant-Researcher (1979) in Laboratory of Wireless Telecommunications, Dept. of Electrical Engineering, University of Patras, Greece.
2. Sales Engineer (1981) in the Radiomarine Company based in Piraeus, Greece.
3. Assistant (1982-1989) in the Meteorological Institute (now IERSD) of NOA.
4. Associate Researcher (1990-mid 1996) at NOA corresponding to a University Assistant Professor.

5. Prime Researcher (mid 1996-mid 2000) at NOA corresponding to a University Associate Professor.
6. Research Director (mid 2000-today) at NOA corresponding to a University Professor.
7. Acting Director of IERSD (task assigned by the the Administrative Board of NOA during its 1066<sup>th</sup> meeting on 27 June 2012).

#### **A.4. Research interests**

##### **1. Atmospheric physics**

1. atmospheric optics,
2. spectral influence of atmospheric constituents and aerosols on solar radiation transmission through the earth's atmosphere,
3. atmospheric turbidity.

[Notice 1: In this research field, apart from a number of publications and research projects, there have been made or are underway various undergraduate and doctorate theses of students in AEI or TEI under my personal supervision (see Sections D.1 and D.3).]

##### **2. Atmospheric environment**

1. atmospheric pollution (simulation and measurements),
2. studies for Atmospheric Boundary Layer (mostly experimental)
3. effect of environmental factors on materials degradation.

[Notice 2: In this research field, apart from a number of publications and research projects, there have been made or are underway various undergraduate and postgraduate theses of students in AEI and TEI under my personal supervision (see Sections D.1 and D.2).]

##### **3. Energy**

1. solar radiation on horizontal and inclined planes (simulation and measurements),
2. daylight (measurements and applications),
3. studies in spectral regions of IR and UV radiations,
4. wind energy and interaction between wind turbines in wind parks. [Research interest in mid 1990's.]

[Notice 3: In this research field, apart from a number of publications and research projects, there have been made or are underway various undergraduate and postgraduate theses of students in AEI and TEI under my personal supervision (see Sections D.1 and D.2). Moreover, an internationally recognised code for simulating solar radiation on horizontal plane from meteorological data only has been developed, the code MRM.]

##### **4. Complementary research interests**

1. Climate changes examined from the influence of atmospheric aerosols on the atmosphere point of view,
2. Classical meteorology and climatology issues and urban climatology,
3. LIDAR applications (laser beam radars) in atmospheric environment,
4. digital image processing as tool in above application fields.

From the said in A.4 my relevance to a great part of the research activities of IERSD is apparent. The Greek law 1514/1985 for R&D (articles 10 and 11) makes clear mention to the relevance of the candidate director of a research institute articulating that "...he/she must have an expertise in a research topic of the scientific area of the institute...".

#### **A.5. Foreign languages**

Fluent English, poor French and German.

#### **A.6. Member of scientific societies**

1. HPU since 1975. [President in the period 1999-2000.]

2. IEE from 1980 to end of 1995.
3. IEE/Greek Centre from 1995 to 1998.
4. TEE from 1984.
5. EMTE since 1982.
6. EMS since 1985.
7. EWEA from 1985 to 1990.
8. EGS from 1989 to end of 1995.
9. HWES from 1990 to 1993.
10. A&WMA from 1993 to 2000.
11. MESAEP since 1996.
12. AMS from 1996 to 2011.
13. ISES from 1996 to 2003.
14. **Fellow** of RMETS from 1997 to 2011.
15. OSA from 1997 to 1999.
16. *Who's Who Historical Society* (USA) from 5/2001 to 4/2003.
17. **Founding Member** of HIC since 2002. [President of HIC in the periods 2003-2006 and 2007-2010.]





# SECTION B

## AUCTORIAL WORK

(MK=with review, XK=without review)

### B.1. Articles in national scientific journals

1. Kambezidis H.D. (1980) Signal envelope, worst month and worst week statistics of a 38 GHz CW signal propagating through the turbulent atmosphere. *Technika Chronika B* **4**, 30-35. **MK** [Related to A.2.3.]
2. Kambezidis H.D. (1983) Temporal amplitude and phase difference scintillation spectra at 38 GHz. *Technika Chronika B* **3 (1-4)**, 81-98. **MK**
3. Kambezidis H.D. (1984) Millimetre wavelength telecommunications. *Technika Chronika B* **4 (1-2)**, 45-65. **MK** [Related to A.2.3.]
4. Kambezidis H.D. and Kotsopoulos S.A. (1984) An algorithm for the computation of diffraction of electromagnetic waves by (knife-edge) obstacles. *Technika Chronika B* **4 (3)**, 43-75. **MK** [Related to A.2.3.]
5. Kambezidis H.D. and Kotsopoulos S.A. (1985) Deterministic factors for the appearance of atmospheric pollution in big urban centres and specifically Athens. *Physics Review C* **(10)**, 35-43. **XK**
6. Kotsopoulos S.A. and Kambezidis H.D. (1986) A survey of mobile telephone systems. *Technika Chronika B* **6 (3)**, 49-76. **MK**
7. Kambezidis H.D. (1987) Telecommunication links design. *Technika Chronika B* **7 (2)**, 107-128. **MK** [Related to A.2.4.]
8. Kotsopoulos S.A., Kambezidis H.D., Voudouris K. and Afratis G. (1988) Minimization of intermodulation products in mobile radio systems. *Technika Chronika B* **8 (1)**, 123-150.
9. Kambezidis H.D. and Papanikolaou N.S. (1990) Total solar irradiance on tilted planes in Greece. *Technika Chronika B* **10 (2)**, 55-79. **MK** [Related to the development of the MRM algorithm.]
10. Kambezidis H.D. (1998) The "Meteorological Radiation Model". *Bulletin of HSPMEE* **312**, 38-42. **XK** [Related to the development of the MRM algorithm.]
11. Efthimiopoulos T., Zevgolis D., Kambezidis H.D. and Kotsopoulos S. (1998) Measurement of air pollutants with remote sensing methods. *Physics Review* **27**, 12-19. **XK** [Related to C.1.12.]
12. Kotsopoulos S.A., Zevgolis D. And Kambezidis H.D. (1998) On the technological strategic updates in the field of agriculture aiming at securing competitiveness of agricultural products and de-escalation of environmental problems. *Physics Review* **27**, 24-31. **XK**
13. Kambezidis H.D. and Adamopoulos A.D. (1998) Atmospheric pollution and acid rain. *Physics Review* **27**, 49-53. **XK**
14. Adamopoulos A.D. and Kambezidis H.D. (1998) Influence of air pollution on agricultural crops and forested areas. *Physics Cosmos* **1**, 84-87. **XK**
15. Adamopoulos A.D., Kambezidis H.D., Zevgolis D. And Topalis F.V. (2001) Extinction of solar radiation in the atmosphere. *Physics Cosmos* **3**, 85-88. **XK**

### B.2. Articles in international scientific journals

1. Kambezidis H.D., Kassomenos P. and Kiriaki E. (1986) Smoke concentration levels in a monitoring network in Athens, Greece. *Atmospheric Environment* **20 (3)**, 601-604. **MK**

2. Katsoulis B.D. and Kambezidis H.D. (1986) Surface winds and horizontal mesoscale wind spectra in Athens, Greece. *Il Nuovo Cimento C9* **(6)**, 1093-1109. **MK**
3. Katsoulis B.D. and Kambezidis H.D. (1987) Variation of cloudiness and sunshine in the Greek Mainland. *Zeitschrift für Meteorologie* **37**, 278-284. **MK** [*Zeitschrift für Meteorologie and Meteorologische Rundschau were unified into Meteorologische Zeitschrift in 1992.*]
4. Högström U., Asimakopoulos D.N., Kambezidis H.D., Helmis C.G. and Smedman Ann-Sofi (1988) A field study of the wake behind a 2 MW wind turbine. *Atmospheric Environment* **22**, 803-820. **MK**
5. Kambezidis H.D. and Papanikolaou N.S. (1988) SO<sub>2</sub> concentration levels from a monitoring network in Athens, Greece. *Atmospheric Environment* **22** (11), 2557-2568. **MK**
6. Katsoulis B.D. and Kambezidis H.D. (1989) Analysis of the long-term precipitation series at Athens, Greece. *Climatic Change* **14** (3), 263-290. **MK**
7. Kambezidis H.D. and Papanikolaou N.S. (1990) Solar position and atmospheric refraction. *Solar Energy* **44** (3), 143-144. **MK**
8. Kambezidis H.D., Asimakopoulos D.N. and Helmis C.G. (1990) Wake measurements behind a horizontal-axis 50 kW wind turbine. *Solar and Wind Technology* **7**, 177-184. **MK** [*Solar & Wind Technology was renamed to Solar Cells in 1991 and to Solar Energy Materials & Solar Cells in 1992.*]
9. Kambezidis H.D. and Paliatsos A.G. (1991) A note on smoke concentration prediction in Athens, Greece. *Meteorology and Applied Physics* **45** (3-4), 181-186. **MK**
10. Melas D. and Kambezidis H.D. (1992) The depth of the IBL over an urban area under sea-breeze conditions. *Boundary-Layer Meteorology* **61** (3), 247-264. **MK** [Related to C.2.1.]
11. Kambezidis H.D., Founda D.H. and Papanikolaou N.S. (1993) Linke and Unsworth-Monteith turbidity parameters in Athens. *Quarterly Journal of Royal Meteorological Society* **119** (510), 367-374. **MK** [Application of Unsworth-Monteith methodology for the first time in Greece.]
12. Kambezidis H.D. and Tsangrassoulis A.E. (1993) Solar position and right ascension. *Solar Energy* **50** (5), 415-416. **MK** [Related to C.1.2.]
13. Varvayianni M., Helmis C.G., Amanatidis G.T., Asimakopoulos D.N., Bartzis J.G., Soilemes A.T., Papadopoulos K.H. and Kambezidis H.D. (1993) Effects of on-shore and off-shore topography on sea-breeze circulation: an observational study at eastern Attica, Greece. *Pure and Applied Geophysics* **140** (4), 681-720. **MK**
14. Kambezidis H.D., Founda D.H. and Papanikolaou N.S. (1994) Reply to comments by A.P. Cracknell and C.A. Varotsos on 'Linke and Unsworth-Monteith turbidity parameters in Athens' (January B, 1993, 119 (510), 367-374). *Quarterly Journal of the Royal Meteorological Society* **120** (518), 1107-1108. **XK**
15. Melas D. and Kambezidis H.D. (1994) A similarity method to derive turbulence parameters and mixed-layer depth from sodar measurements. *International Journal of Remote Sensing* **15** (2), 499-505. **MK**
16. Papayannis A., Kambezidis H.D. and Asimakopoulos D.N. (1994) Development of a mobile 3D scanning lidar system for aerosol monitoring in rural areas in Greece. *International Journal of Remote Sensing* **15** (2), 361-368. **MK** [Related to C.2.1.]
17. Kambezidis H.D., Psiloglou B.D. and Gueymard Ch. (1994) Measurements and models for total solar irradiance on inclined surface in Athens, Greece. *Solar Energy* **53** (2), 177-185. **MK** [Related to the development of the MRM algorithm.]
18. Köpp F., Werner C., Häring R., Banakh V., Smalikho I., and Kambezidis H.D. (1994) Laser doppler wind measurements in the planetary boundary layer. *Contributions to Atmospheric Physics* **67** (4), 269-286. **MK** [Related to C.1.8.]
19. Kambezidis H.D., Tulleken R., Amanatidis G.T., Paliatsos A.G. and Asimakopoulos D.N. (1995) Statistical evaluation of selected air pollutants in Athens, Greece. *Environmetrics* **6** (4), 349-361. **MK**

20. Synodinou B.M. and Kambezidis H.D. (1995) Comments on "An analytical-empirical method for determining the roughness length and zero-plane displacement". *Boundary-Layer Meteorology* **74** (3), 313-315. **MK** [Related to C.2.1.]
21. Kambezidis H.D., Peppes A.A. and Melas D. (1995) An environmental experiment over Athens urban area under sea-breeze conditions. *Atmospheric Research* **36** (1-2), 139-156. **MK** [Related to C.2.1.]
22. Melas D., Kambezidis H.D., Walmsley J.L., Moussiopoulos N., Bornstein R., Klemm O., Asimakopoulos D.N. and Schiermeier F.A. (1995) Summary of meeting: NATO/CCMS Pilot Study Workshop on Air pollution transport and diffusion over coastal urban areas. *Atmospheric Environment* **29** (24), 3713-3718. **MK** [Related to C.2.2.]
23. Danalatos D., Glavas S. and Kambezidis H.D. (1995) Atmospheric nitric acid concentrations in a Mediterranean site, Patras, Greece. *Atmospheric Environment* **29** (15), 1849-1852. **MK**
24. Kambezidis H.D., Sipsas A.B. and Zevgolis D. (1995) The temperature field at a location within Athens urban area under sea-breeze conditions. *Fresenius Environmental Bulletin* **4** (6), 327-332. **MK** [Related to D.1.10.]
25. Kambezidis H.D., Psiloglou B.E. and Gueymard C. (1995) Erratum to "Measurements and models for total solar irradiance on inclined surface in Athens, Greece". *Solar Energy* **54** (3), 205. **XK**
26. Kambezidis H.D., Psiloglou B.E. and Gueymard C. (1995) Letter to the editor for "Measurements and models for total solar irradiance on inclined surface in Athens, Greece". *Solar Energy* **54** (6), 443-445. **XK**
27. Kambezidis H.D. (1996) Daylight levels in Athens during spring and autumn. *Fresenius Environmental Bulletin* **5** (1-2), 61-66. **MK** [Related to C.1.7.]
28. Adamopoulos A.D., Kambezidis H.D. and Sipsas A.B. (1996) Meteorological factors that influence O<sub>3</sub> concentration in the Athens basin. *Fresenius Environmental Bulletin* **5** (1-2), 37-42. **MK**
29. Kralli M.N., Kambezidis H.D. and Cassios C. (1996) "Green roofs" policy in cities with environmental problems. *Fresenius Environmental Bulletin* **5**, 424-429. **MK**
30. Adamopoulos A.D., Kambezidis H.D. and Sipsas A.B. (1996) Meteorological factors that influence CO concentration in the Athens basin. *Fresenius Environmental Bulletin* **5** (5-6), 351-356. **MK**
31. Adamopoulos A.D., Kambezidis H.D. and Sipsas A.B. (1996) Meteorological factors that influence SO<sub>2</sub> concentration in the Athens basin. *Fresenius Environmental Bulletin* **5** (5-6), 270-275. **MK**
32. Kambezidis H.D., Sakellariou N.K., Topalis F.B., Kanellias A.A. and Petrova V.D. (1996) Air pollution monitoring with a passive pyr heliometric scanner. *Fresenius Environmental Bulletin* **5** (11-12), 631-636. **MK** [Related to C.1.10.]
33. Kambezidis H.D., Psiloglou B.D. and Synodinou B.M. (1997) Comparison between measurements and models of daily solar irradiation on tilted surfaces in Athens, Greece. *Renewable Energy* **10** (4), 505-518. **MK** [Related to C.1.8.]
34. Kambezidis H.D., Nissioti K. and Köpp F. (1997) Atmospheric turbulence derived from laser doppler anemometry technique. *Fresenius Environmental Bulletin* **6** (9-10), 97-102. **MK** [Related to C.1.8.]
35. Kambezidis H.D., Weidauer D., Ulbricht M. and Melas D. (1997) Remote sensing of air pollution dynamics over large European cities. *Fresenius Environmental Bulletin* **6**, 166-171. **MK** [Related to C.1.9.]
36. Gueymard C. and Kambezidis H.D. (1997) Illuminance turbidity parameters and atmospheric extinction in the visible spectrum. *Quarterly Journal of the Royal Meteorological Society* **123** (539), 679-697. **MK**

37. Kambezidis H.D. (1997) Estimation of sunrise and sunset hours for locations on flat and complex terrain: review and advancement. *Renewable Energy* **11** (4), 485-494. **MK**
38. Levitin J. and Kambezidis H.D. (1997) Numerical modelling of the TIBL evolution using Athens field experimental data. *Boundary-Layer Meteorology* **84** (2), 207-217. **MK** [Related to C.2.1.]
39. Kambezidis H.D., Djepa-Petrova V. and Adamopoulos A.D. (1997) Radiative transfer. Part I: Atmospheric transmission monitoring with modelling and ground-based multispectral measurements. *Applied Optics* **36** (27), 6976-6982. **MK**
40. Kambezidis H.D., Djepa-Petrova V. and Adamopoulos A.D. (1997) Radiative transfer. Part II: Impact of meteorological variables and surface albedo on atmospheric optical properties retrieved from ground-based multispectral measurements. *Applied Optics* **36** (27), 6983-6988. **MK**
41. Kambezidis H.D., Weidauer D., Melas D. and Ulbricht M. (1998) Air quality in the Athens basin during sea-breeze and non-sea-breeze days using laser-remote-sensing technique. *Atmospheric Environment* **32** (12), 2173-2182. **MK** [Related to C.1.9.]
42. Muneer T., Gul M. and Kambezidis H.D. (1998) Evaluation of an all-sky meteorological radiation model against long-term measured hourly data. *Energy Conversion and Management* **39** (3-4), 303-317. **MK** [Related to D.3.2.]
43. Kambezidis H.D., Katevatis E.M., Petrakis M., Lykoudis S. and Asimakopoulos D.N. (1998) Estimation of the Linke and Unsworth-Monteith turbidity factors in the visible spectrum: application for Athens, Greece. *Solar Energy* **62** (1), 39-50. **MK**
44. Petrakis M., Kambezidis H.D., Lykoudis S., Adamopoulos A.D., Kassomenos P., Michaelides I.M., Kalogirou S.A., Roditis G., Chrysis I. and Hadjiyianni A. (1998) Generation of a "typical meteorological year" for Nicosia, Cyprus. *Renewable Energy* **13** (3), 381-388. **MK** [Related to C.2.7.]
45. Kambezidis H.D., Muneer T., Tzortzis M. and Arvanitaki S. (1998) Global and diffuse horizontal illuminance month-hour distribution for Athens, Greece in 1992. *Lighting Research and Technology* **30** (2), 69-74. **MK** [Related to D.1.9.]
46. Kambezidis H.D., Zevgolis D., Kotsopoulos S., Efthimiopoulos T. and Ehret G. (1998) Environmental management in Athens with the use of the advanced-LIDAR technique. *Fresenius Environmental Bulletin* **7** (3A-4A), 238-245. **MK** [Related to C.1.12.]
47. Kambezidis H.D., Adamopoulos A.D., Sakellariou N.K., Topalis F.B., Kanellias A.A., Petrova V.D. and Zevgolis D. (1998) Atmospheric chemistry and climate changes monitoring by a simple passive system. *Fresenius Environmental Bulletin* **7**, 20-26. **MK** [Related to C.1.10.]
48. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (1998) Validation of Wien's displacement law in the atmosphere under cloudy skies. *Fresenius Environmental Bulletin* **7** (9-10), 515-522. **MK** [Related to D.3.1.]
49. Adamopoulos A.D., Kambezidis H.D., Zevgolis D., Topalis F.B. and Djepa V. (1998) Atmospheric optical properties during summer days in Athens. *Fresenius Environmental Bulletin* **7** (11-12), 717-725. **MK**
50. Gul M.S., Muneer T. and Kambezidis H.D. (1998) Models for obtaining solar radiation from other meteorological data. *Solar Energy* **64** (1-3), 99-108. **MK** [Related to H.2.2., H.2.4-6 & D.3.2.]
51. Michaelides J., Kalogirou S.A., Chrysis I., Roditis G., Hadjiyianni A., Kambezidis H.D., Petrakis M., Lykoudis S. and Adamopoulos A.D. (1999) Comparison of performance and cost effectiveness of solar water heaters at different collector tracking modes in Cyprus and Greece. *Energy Conversion and Management* **40** (12), 1287-1303. **MK** [Related to C.2.7.]
52. Adamopoulos A.D., Kambezidis H.D., Zevgolis D. and Topalis F.B. (2000) Estimation of total ozone column over Athens, Greece using ground-based beam solar irradiance measurements. *Fresenius Environmental Bulletin* **9**, 201-208. **MK**

53. Kambezidis H.D. and Synodinou B.M. (2000) Atmospheric stability during sea-breeze conditions in Athens, Greece. *Fresenius Environmental Bulletin* **9** (7-8), 443-450. **MK**
54. Kambezidis H.D., Adamopoulos A.D., Zevgolis D. (2000) Case studies of spectral atmospheric transmittance in the UV and VIS regions in Athens, Greece. I: Total transmittance. *Atmospheric Research* **54** (4), 223-232. **MK** [Related to D.3.1.]
55. Kambezidis H.D., Adamopoulos A.D., Zevgolis D. (2000) Case studies of spectral atmospheric transmittance in the UV and VIS regions in Athens, Greece. II: Aerosol transmittance. *Atmospheric Research* **54** (4), 233-243. **MK** [Related to D.3.1.]
56. Kambezidis H.D., Fotiadi A.K., Katsoulis B.D. (2000) Variability of the Linke and Unsworth-Monteith turbidity parameters in Athens, Greece. *Meteorology and Atmospheric Physics* **75** (3-4), 259-269. **MK** [Related to D.2.4.]
57. Sakellariou N.K., Kambezidis H.D. and Gouvas M.A. (2000) Mean monthly air temperatures in Athens, Greece. *Theoretical and Applied Climatology* **67** (3-4), 201-203. **MK**
58. De Miguel A., Bilbao J., Aguiar R., Kambezidis H.D. and Negro E. (2001) Diffuse solar irradiation model evaluation in the North Mediterranean belt area. *Solar Energy* **70** (2), 143-153. **MK** [Related to C.1.11.]
59. Darula S., Kambezidis H.D. and Kittler R. (2001) Daylight levels during the solar eclipse of 11 August 1999. *Meteorology and Atmospheric Physics* **76** (3-4), 251-256. **MK** [Related to C.2.9.]
60. Kambezidis H.D., Adamopoulos A.D. and Gueymard C. (2001) Total NO<sub>2</sub> column amount over Athens, Greece, 1996-97. *Atmospheric Research* **57** (1), 1-8. **MK** [Related to D.3.1.1.]
61. Kambezidis H.D., Adamopoulos A.D. and Zevgolis D. (2001) Determination of Ångström and Schüepp parameters from ground-based spectral measurements of beam irradiance in the ultraviolet and visible spectrum in Athens, Greece. *Pure and Applied Geophysics* **158** (4), 821-838. **MK** [Related to D.3.1.]
62. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2001) Total atmospheric transmittance monitoring from ground-based spectral measurements of beam irradiance. *Balkan Physics Letters Special Issue*, 206-212. **MK** [Related to D.3.1.]
63. Kambezidis H.D., Oikonomou Th.I. and Zevgolis D. (2002) Daylight climatology in the Athens urban environment: guidance for buildings designers. *Lighting Research and Technology* **34** (4), 297-312. **MK** [Related to D.3.21.]
64. Bilbao J., de Miguel A. and Kambezidis H.D. (2002) Air temperature model evaluation in the north Mediterranean belt area. *Journal of Applied Meteorology* **4** (8), 872-884. **MK** [Related to C.1.11.]
65. Klumpp A., Ansel W., Klumpp G., Belluzzo N., Calatayud V., Chaplin N., Garrec J.P., Gutsche H.-J., Hentze H.-W., Kambezidis H.D., Laurent O., Peñuelas J., Pilkington K., Rasmussen S., Ribas A., Ro-Poulsen H., Rossi S., Sanz M.J., Shang H., Sifakis N. and Vergne P. (2002) EuroBionet: A Pan European Bio-monitoring Network for Urban Air Quality Assessment. *Environmental Science and Pollution Research* **9** (3), 199-203. **MK** [Related to C.1.24.]
66. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2002) Case studies of atmospheric turbidity in Athens, Greece: comparison between summer and winter. *Fresenius Environmental Bulletin* **11** (8), 480-483. **MK** [Related to D.3.1.]
67. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2002) Case studies of total NO<sub>2</sub> column in the atmosphere of Athens, Greece: comparison between summer and winter. *Fresenius Environmental Bulletin* **11** (8), 484-487. **MK** [Related to D.3.1.]
68. Bartzokas A., Darula S., Kambezidis H.D. and Kittler R. (2003) Sky luminance distribution in Central Europe and the Mediterranean area during the winter period. *Journal of Atmospheric and Solar-Terrestrial Physics* **65** (1), 113-119. **MK** [Related to C.2.9.]

69. Paliatsos A.G., Kambezidis H.D. and Antoniou A. (2003) Diffuse solar irradiation at a location in the Balkan peninsula. *Renewable Energy* **28** (13), 2147-2156. **MK**
70. Sakellariou N.K. and Kambezidis H.D. (2003) Total precipitation in the Athens area, Greece: annual precipitation patterns averaged for periods of five, ten and fifteen days. *Fresenius Environmental Bulletin* **12** (11), 1416-1420. **MK**
71. Sakellariou N.K. and Kambezidis H.D. (2004) Cloud cover in the Athens area, Greece. *Fresenius Environmental Bulletin* **13** (1), 66-68. **MK**
72. Sakellariou N.K. and Kambezidis H.D. (2004) Prediction of the total rainfall amount during August and November in the Athens area, Greece. *Fresenius Environmental Bulletin* **13** (3B), 289-292. **MK**
73. Markou M.T., Kambezidis H.D., Katsoulis B.D., Muneer T. and Bartzokas A. (2004) Sky type classification in South England during the winter period. *Building Research Journal* **52** (1), 19-30. **MK** [Related to D.3.4 & C.2.9.]
74. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2005) Total atmospheric transmittance in the ultraviolet and visible spectra in Athens, Greece. *Pure and Applied Geophysics* **162** (3), 409-431. **MK** [Related to D.3.1.]
75. Kambezidis H.D., Adamopoulos A.D. and Zevgolis D. (2005) Spectral aerosol atmospheric transmittance in the ultraviolet and visible spectra in Athens, Greece. *Pure and Applied Geophysics* **162** (3), 625-647. **MK** [Related to D.3.1.]
76. Markou M.T., Kambezidis H.D., Bartzokas A., Katsoulis B.D. and Muneer T. (2005) Sky type classification in Central England during winter. *Energy* **30** (9), 1667-1674. **MK** [Related to D.3.4 & C.2.9.]
77. Bartzokas A., Darula S., Kambezidis H.D. and Kittler R. (2005) Comparison between winter and summer sky-luminance distribution in Central Europe and in the Eastern Mediterranean. *Journal of Atmospheric and Solar-Terrestrial Physics* **67** (7), 709-718. **MK** [Related to C.2.9.]
78. Giavis G., Kambezidis H.D., Sifakis N., Toth Z., Adamopoulos A.D. and Zevgolis D., (2005) Diurnal variation of the aerosol optical depth for two distinct cases in the Athens area, Greece. *Atmospheric Research* **78** (1-2), 79-92. **MK**
79. Giavis G., Kambezidis H.D., Basdekis A.K., Sifakis N., Toth Z., Adamopoulos A.D. and Zevgolis D. (2005) Cases of the aerosol optical depth estimation in the Athens area, Greece. *Journal of Atmospheric and Solar-Terrestrial Physics* **67** (16), 1524-1532. **MK**
80. a. Kaskaoutis D.G., Kambezidis H.D., Jacovides C.P. and Steven M.D. (2006) Checking the validity of the Ångström's formula with spectral data of direct-beam irradiance obtained in Athens, Greece. *Atmospheric Research* **79** (1), 67-87. b. Συμπλήρωση στο Erratum to "Checking the validity of the Ångström's formula with spectral data of direct-beam irradiance obtained in Athens, Greece". *Atmospheric Research* **80** (2-3), 237. **MK** [Related to D.3.4 & C.3.6.]
81. Kaskaoutis D.G., Kambezidis H.D., Jacovides C.G. and Steven M.D. (2006) Modification of solar radiation components under different atmospheric conditions in an urban environment in the Greater Athens Area, Greece. *Journal of Atmospheric and Solar-Terrestrial Physics* **68** (10), 1043-1052. **MK** [Related to D.3.4 & C.3.6.]
82. Kaskaoutis D.G., Kambezidis H.D., Adamopoulos A.D. and Kassomenos P. (2006) Comparison between experimental data and modeling estimates of aerosol optical depth over Athens, Greece. *Journal of Atmospheric and Solar-Terrestrial Physics* **68** (11), 1167-1178. **MK** [Related to D.3.6.]
83. Kaskaoutis D.G. and Kambezidis H.D. (2006) Investigation into the wavelength dependence of the aerosol optical depth in the Athens area. *Quarterly Journal of Royal Meteorological Society* **132** (620), 2217-2234. **MK** [Related to D.3.6.]
84. Klumpp A., Ansel W., Klumpp G., Vergne P., Sifakis N., Sanz M.J., Rasmussen S., Ro-Poulsen H., Ribas A. and Peñuelas J., Kambezidis H.D., Shang H., Garrec J.P. and

- Calatayud V. (2006) Ozone pollution and ozone biomonitoring in European cities. Part II: Ozone-induced plant injury and its relationship with descriptors of ozone pollution. *Atmospheric Environment* **40** (38), 7437-7448. **MK** [Related to C.1.24.]
85. Kaskaoutis D.G., Kambezidis H.D., Adamopoulos A.D. and Kassomenos P. (2006) On the characterization of aerosols using the Ångström exponent in the Athens area. *Journal of Atmospheric and Solar-Terrestrial Physics* **68** (18), 2147-2163. **MK** [Related to D.3.6.]
86. Kambezidis H.D., Kaskaoutis D.G., Kassomenos P., Melas D., Papadopoulos A., Yenigun O., Im U., Onay T., Topcu S., and Incecik S. (2006) An investigation on forest-fire risk assessment in selected areas in Greece and Turkey. *Forest Ecology and Management* **234S**, S46. **MK**
87. Badarinath K.V.S., Kharol S.K., Kaskaoutis D.G. and Kambezidis H.D. (2007) Influence of atmospheric aerosols on solar spectral irradiance in an urban area. *Journal of Atmospheric and Solar-Terrestrial Physics* **69** (4-5), 589-599. **MK**
88. Adamopoulos A.D., Kambezidis H.D., Kaskaoutis D.G. and Giavis G. (2007) A study of aerosol particle sizes in the atmosphere of Athens, Greece retrieved from solar spectral measurements. *Atmospheric Research* **86** (3-4), 194-206, doi:10.1016/j.atmosres.2007.04.003. **MK** [Related to D.3.6.]
89. Kaskaoutis D.G., Kambezidis H.D., Hatzianastassiou N., Kosmopoulos P. and Badarinath K.V.S. (2007) Aerosol climatology: on the discrimination of aerosol types over four AERONET sites. *Atmospheric and Chemistry Physics Discussions* **7** (3), 6357-6411. **MK** [Related to D.3.6.]
90. Kaskaoutis D.G., Kambezidis H.D., Hatzianastassiou N., Kosmopoulos P. and Badarinath K.V.S. (2007) Aerosol climatology: dependence of the Ångström exponent on wavelength over four AERONET sites. *Atmospheric and Chemistry Physics Discussions* **7** (3), 7347-7397. **MK** [Related to D.3.6.]
91. Kaskaoutis D.G., Kambezidis H.D. and Tóth Z. (2007) Investigation about the dependence of the spectral diffuse-to-direct-beam irradiance ratio on atmospheric turbidity and solar zenith angle. *Theoretical and Applied Climatology* **89** (3-4), 245-256, doi: 10.1007/s00704-006-0222-z. Erratum to: Investigation about the dependence of the spectral diffuse-to-direct-beam irradiance ratio on atmospheric turbidity and solar zenith angle. *Theoretical and Applied Climatology* **102**, 243, doi: 10.1007/s00704-010-0309-4. **MK** [Related to D.3.6.]
92. Kaskaoutis D.G., Kosmopoulos P., Kambezidis H.D. and Nastos P. (2007) Aerosol climatology and discrimination of different types over Athens, Greece based on MODIS data. *Atmospheric Environment* **41** (34), 7315-7329. **MK** [Related to D.3.6.]
93. Markou M.T., Bartzokas A. and Kambezidis H.D. (2007) A new statistical methodology for classification of sky luminance distributions based on scan data. *Atmospheric Research* **86** (3-4), 261-277, doi: 10.1016/j.atmosres.2007.06.001. **MK** [Related to D.3.4.]
94. Kaskaoutis D.G., Kambezidis H.D., Badarinath K.V.S. and Kharol S.K. (2007) Investigation on the ozone and trace gases contribution to the total optical depth in the polluted urban environment of Athens. *Atmospheric Research* **86** (3-4), 286-296, doi: 10.1016/j.atmosres.2007.06.004. **MK** [Related to D.3.6.]
95. Badarinath K.V.S., Kharol S.K., Kaskaoutis D.G. and Kambezidis H.D. (2007) Case study of a dust storm over Hyderabad area, India: its impact on solar radiation using satellite data and ground measurements. *Science of the Total Environment* **384** (1-3), 316-332. **MK**
96. Markou M.T., Kambezidis H.D., Bartzokas A., Darula S. and Kittler R. (2007) Generation of daylight reference years for two European cities with different climate: Athens, Greece and Bratislava, Slovakia. *Atmospheric Research* **86** (3-4), 315-329, doi:10.1016/j.atmosres.2007.07.001. **MK** [Related to D.3.4.]
97. Psiloglou B.E. and Kambezidis H.D. (2007) Performance of the meteorological radiation model during the solar eclipse of 29 March 2006. Special issue on: The total solar eclipse

- of 2006 and its effects on the environment. Eds: C. Zerefos, N. Mihalopoulos and P. Monks. *Atmospheric Chemistry and Physics* **7** (23), 6047-6059. **MK**
98. Kaskaoutis D.G. and Kambezidis H.D. (2008) Comparison of the Ångström parameters retrieval in different spectral ranges with the use of different techniques. *Meteorology and Atmospheric Physics* **99** (3-4), 233-246. **MK** [Related to D.3.6.]
  99. Kaskaoutis D.G. and Kambezidis H.D. (2008) The role of aerosol models of the SMARTS code in predicting the spectral direct-beam irradiance in an urban area. *Renewable Energy* **33** (7), 1532-1543. **MK** [Related to D.3.6.]
  100. Kambezidis H.D. and Kaskaoutis D.G. (2008) Aerosol climatology over four AERONET sites: an overview. *Atmospheric Environment* **42** (8), 1892-1906. **MK** [Related to D.3.6.]
  101. Kosmopoulos P.G., Kaskaoutis D.G., Nastos P.T. and Kambezidis H.D. (2008). Seasonal variation of columnar aerosol optical properties over Athens, Greece, based on MODIS data. *Remote Sensing of Environment* **112** (5), 2354-2366. **MK** [Related to D.3.6.]
  102. Badarinath K.V.S., Kharol S.K., Prasad V.K., Kaskaoutis D.G. and Kambezidis H.D. (2008) Variation in aerosol properties over Hyderabad, India, during intense cyclonic activities. *International Journal of Remote Sensing* **29** (15), 4575-4597. **MK**
  103. Kaskaoutis D.G., Kambezidis H.D., Kharol S.K. and Badarinath K.V.S. (2008) The diffuse-to-global spectral irradiance ratio as a cloud-screening technique for radiometric data. *Journal of Atmospheric and Solar-Terrestrial Physics* **70** (13), 1597-1606, doi: 10.1016/j.jastp.2008.04.013. **MK** [Related to D.3.6.]
  104. Badarinath K.V.S., Kharol S.K., Prasad V.K., Sharma A.R., Reddi E.U.B., Kambezidis H.D. and Kaskaoutis D.G. (2008) Influence of natural and anthropogenic activities on UV index variations - A study over tropical urban region using ground based observations and satellite data. *Journal of Atmospheric Chemistry* **59** (3), 219-236. **MK**
  105. Kaskaoutis D.G. and Kambezidis H.D. (2008) The choice of the most appropriate aerosol model in a radiative transfer code. *Solar Energy* **82** (12), 1198-1208, doi 10.1016/j.solener.2008.06.001. **MK** [Related to D.3.6.]
  106. Kaskaoutis D.G., Kambezidis H.D., Nastos P.T. and Kosmopoulos P.G. (2008) Study of an intense dust storm over Greece. *Atmospheric Environment* **42** (29), 6884-6896, doi: 10.1016/j.jastp.2008.04.013. **MK**
  107. Markou M., Bartzokas A. and Kambezidis H.D. (2009) Daylight climatology in Athens, Greece: types of diurnal variation illuminance levels. *International Journal of Climatology* **29** (14), 2137-2145, doi:10.1002/joc.1854. **MK** [Related to C.2.9.]
  108. Makra L. and Kambezidis H.D. (2009) Editorial, **Special issue on "Air pollution"**. *International Journal of Environment and Pollution* **36** (1, 2, 3), 1-2. **MK**
  109. Giavis G.M., Kambezidis H.D. and Lykoudis S.P. (2009) Frequency distribution of particulate matter (PM<sub>10</sub>) in urban environments. **Special issue on "Air pollution"**, *International Journal of Environment and Pollution* **36** (1, 2, 3), 99-109, doi:10.1504/IJEP.2009.021819. **MK**
  110. Founda D.H., Kambezidis H.D., Petrakis M., Zanis P. and Zerefos C.S. (2009) A correction of the recent air temperature record at the historical meteorological station of the National Observatory of Athens (NOA) due to instrument change. *Theoretical and Applied Climatology* **97** (3-4), 385-389, doi:10.1007/s00704-008-0084-7. **MK**
  111. Kaskaoutis D.G. and Kambezidis H.D. (2009) The diffuse-to-global and diffuse-to-direct-beam spectral irradiance ratios as turbidity indexes in an urban environment. *Journal of Atmospheric and Solar-Terrestrial Physics* **71** (2), 246-256, doi:10.1016/j.jastp.2008.11.008. **MK** [Related to D.3.6.]



112. Psiloglou B.E. and Kambezidis H.D. (2009) Estimation of the ground albedo for the Athens area, Greece. *Journal of Atmospheric and Solar-Terrestrial Physics* **71** (8-9), 943-954, doi:10.1016/j.jastp.2009.03.017. **MK**
113. Badarinath K.V.S., Kharol S.K., Sharma A.R., Kaskaoutis D.G. and Kambezidis H.D. (2009) Investigations of an intense aerosol loading during 2007 cyclone SIDR – A study using satellite data and ground measurements over Indian region. *Atmospheric Environment* **43** (24), 3708-3716, doi:10.1016/j.atmosenv.2009.04.026. **MK**
114. Kalapureddy M.C.R., Kaskaoutis D.G., Raj P.E., Devara P.C.S., Kambezidis H.D., Kosmopoulos P.G. and Nastos P.T. (2009) Identification of aerosol type over the Arabian Sea in the premonsoon season during the ICARB. *Journal of Geophysical Research - Atmospheres* **114**, D17203, doi:10.1029/2009JD011826. **MK**
115. Kaskaoutis D.G., Badarinath K.V.S., Kharol S.K., Sharma A.R. and Kambezidis H.D. (2009) Variations in the aerosol optical properties and types over the tropical urban site of Hyderabad, India. *Journal of Geophysical Research - Atmospheres* **114**, D22204, doi:10.1029/2009JD012423. **MK**
116. Kaskaoutis D.G., Kalapureddy M.C.R., Devara P.C.S., Kosmopoulos P.G., Nastos P.T., K. Krishna Moorthy and Kambezidis H.D. (2009) Spatio-temporal aerosol optical characteristics over the Arabian Sea during the pre-monsoon season. *Atmospheric Chemistry and Physics Discussions* **9** (5), 22223-22269. **MK**
117. Badarinath K.V.S., Kharol S.K., Kaskaoutis D.G., Sharma A.R., Ramaswamy V. and Kambezidis H.D. (2010) Long-range transport of dust aerosols over the Arabian Sea and Indian region - A case study using satellite data and ground-based measurements. *Global and Planetary Change* **72** (3), 164-181, doi:10.1016/j.gloplacha.2010.02.003. **MK**
118. Lopez G., Fric O. and Kambezidis H.D. (2010) Comparison of simple illuminance model performance under clear-sky conditions for Athens (Greece). *Advanced Materials Research* **107**, 99-103, doi: 10.4028/www.scientific.net/AMR.107.99. **MK**
119. Kaskaoutis D.G., Nastos P.T., Kosmopoulos P.G., Kambezidis H.D., Kharol S.K. and Badarinath K.V.S. (2010) The Aura-OMI Aerosol Index distribution over Greece. *Atmospheric Research* **98** (1), 28-39, 2010, doi: 10.1016/j.atmores.2010.03.018. **MK**
120. Kaskaoutis D.G., Kalapureddy M.C.R., Krishna Moorthy K., Devara P.C.S., Nastos P.T., Kosmopoulos P.G. and Kambezidis H.D. (2010) Heterogeneity in pre-monsoon aerosol types over the Arabian Sea deduced from shipboard measurements of spectral AODs. *Atmospheric Chemistry and Physics* **10** (1), 4893-4908, doi:10.519/acp-10-4893-2010. **MK**
121. Kambezidis H.D., Larissi I.K., Nastos P.T. and Paliatsos A.G. (2010) Spatial variability and trends of the rain intensity over Greece. *Advances in Geosciences* **26**, 65-69, doi:10.5194/adgeo-26-65-2010. **MK**
122. Badarinath K.V.S., Sharma A.R., Kaskaoutis D.G., Kharol S.K. and Kambezidis H.D. (2010) Solar dimming over the tropical urban region of Hyderabad, India: effect of increased cloudiness and increased anthropogenic aerosols. *Journal of Geophysical Research-Atmospheres* **115**, D21208, doi:10.1029/2009JD013694. **MK**
123. Kaskaoutis D.G., Kharol S.K., Sifakis N., Nastos P.T., Sharma A.R., Badarinath K.V.S. and Kambezidis H.D. (2010) Satellite monitoring of the biomass burning aerosols during the wildfires of August 2007 in Greece: climate implications. *Atmospheric Environment* **45** (3), 1892-1906, doi:10.1016/j.atmosenv.2010.09.043. **MK**
124. Kaskaoutis D.G., Nastos P.T., Kosmopoulos P.G. and Kambezidis H.D. (2010) The combined use of satellite data, air-mass trajectories and model applications for monitoring dust transport over Athens, Greece. *International Journal of Remote Sensing* **31** (19), 5089-5109, doi:10.1080/01431160903283868. **MK**
125. Kaskaoutis D.G., Kosmopoulos P.G., Kambezidis H.D. and Nastos P.T. (2010) Identification of the aerosol types over Athens, Greece: the influence of air-masses

- transport. *Advances in Meteorology*, **Special issue on “Atmospheric aerosols and climate”**, 15 pages, doi:10.1155/2010/168346, ISSN 1687-9309. **MK**
126. Kaskaoutis D.G., Sifakis N., Retalis A. and Kambezidis H.D. (2010) Aerosol monitoring over Athens using satellite and ground-based measurements. *Advances in Meteorology*, **Special issue on “Atmospheric aerosols and climate”**, 12 pages, doi:10.1155/2010/147910, ISSN 1687-9309. **MK**
  127. Pigiaki A., Zevgolis D. and Kambezidis H.D. (2010) Multimedia application for teaching the basics of lighting in physics classes. *Il Nuovo Cimento* **33C (3)**, 97-101, doi:10.1393/ncc/i2010-10613-2. **MK [Related to B.5.115.]**
  128. Gouvas M., Sakellariou N.K. and Kambezidis H.D. (2011) Estimation of the monthly and annual mean maximum and mean minimum air temperature values in Greece. *Meteorology and Atmospheric Physics* **110 (3-4)**, 143-149, doi:10.1007/s00703-010-0111-y. **MK**
  129. Kharol S.K., Badarinath K.V.S., Sharma A.R., Kaskaoutis D.G. and Kambezidis H.D. (2011) Multi-year analysis of Terra/Aqua MODIS aerosol optical depth and ground observations over tropical urban region of Hyderabad, India. *Atmospheric Environment* **45 (8)**, 1532-1542, doi:10.1016/j.atmosenv.2010.12.047. **MK**
  130. Tsaknakis G., Papayiannis A., Kokkalis P., Amiridis V., Kambezidis H.D., Mamouri R.E., Georgoussis G. and Avdikos G. (2011) Inter-comparison of lidar and ceilometers retrievals for aerosol and Planetary Boundary Layer profiling over Athens, Greece. *Atmospheric Measurements and Techniques* **4**, 1261-1273, doi:10.5194/amt-4-1261-2011. **MK**
  131. Kaskaoutis D.G., Kharol S.K., Sinha P.R., Singh R.P., Kambezidis H.D., Sharma A.R. and Badarinath K.V.S. (2011) Extremely large anthropogenic aerosol component over the Bay of Bengal during winter season. *Atmospheric Chemistry and Physics* **11 (4)**, 7097-7117, doi:10.5194/acpd-11-1-2011. **MK**
  132. Kaskaoutis D.G., Kharol S.K., Sifakis N., Nastos P.T., Sharma A.R., Badarinath K.V.S. and Kambezidis H.D. (2011) Satellite monitoring of the biomass-burning aerosols during the wildfires of August 2007 in Greece: Climate implications. *Atmospheric Environment* **45 (3)**, 716-726, 10.1016/j.atmosenv.2010.09.043. **MK**
  133. Kambezidis H.D., Kasselouri B. and Konidari P. (2011) Evaluating policy options for increasing RES-E penetration in Greece. *Energy Policy* **39 (9)**, 5388-5398. **MK [Related to D.3.4.]**
  134. Kasselouri B., Kambezidis H.D., Konidari P. and Zevgolis D. (2011) Environmental, economic and social aspects of the electrification of the non-interconnected islands of the Aegean Sea. *Energy Procedia* **6**, 477-486. **MK [Related to D.3.4]**
  135. Kaskaoutis D.G., Kosmopoulos P., Nastos P.G., Kambezidis H.D., Sharma M. and Mehdi W. (2012) Transport pathways of Sahara dust over Athens, Greece as detected by MODIS and TOMS. *Geomatics, Natural Hazards and Risk* **3 (1)**, 35-54, doi: 10.1080/19475705.2011.574296. **MK**
  136. Kaskaoutis D.G., Nastos P.G., Kosmopoulos P.G. and Kambezidis H.D. (2012) Characterising the long-range transport mechanisms of different aerosol types over Athens, Greece during 2000-2005. *International Journal of Climatology* **32 (8)**, 1249-1270, doi:10.1002/joc.2357. **MK**
  137. Kambezidis H.D. and Kalliampakos G. (2012) Mapping atmospheric corrosion on materials of archaeological importance in Athens. *Water, Air, and Soil Pollution* **223 (5)**, 2169-2180, doi:10.1007/s11270-011-1013-4. **MK**
  138. Kambezidis H.D., Kaskaoutis D.G., Kharol S.K., Krishna Moorthy K., Satheesh S.K., Kalapureddy M.C.R., Badarinath K.V.S., Sharma A.R. and Wild M. (2012) Multi-decadal variation of the net downward shortwave radiation over south Asia: the solar dimming effect. *Atmospheric Environment* **50**, 360-372, doi:10.1016/j.atmosenv.2011.11.008. **MK**

139. Kambezidis H.D. and Kalliampakos G. (2013) Mapping atmospheric corrosion on modern materials in the Greater Athens Area. *Water, Air, and Soil Pollution* **224** (3), 1463-1475, doi:10.1007/s11270-013-1463-y. **MK**
140. Karavana-Papadimou K. Psiloglou B.E., Lykoudis S. and Kambezidis H.D. (2013) Model for estimating atmospheric ozone content over Europe for use in solar radiation algorithms. *Global Nest Journal* **15** (2), 152-162. **MK**
141. Papanastasiou D.K., Melas D. and Kambezidis H.D. (2014) Heat waves characteristics and their relation to air quality in Athens. *Global Nest Journal* **16** (5), 919-928. **MK**
142. Kavadias K.A., Paliatsos A.G., Kambezidis H.D. and Bartzokas A. (2014) Comparison of long-term broadband model results with experimental measurements of solar radiation. *Fresenius Environmental Bulletin* **23** (12a), 3178-3187. **MK**
143. Kambezidis H.D., Melas L., Kampeziou D.H. and Psiloglou B.E. (2015) Effect of tropospheric nitrogen dioxide on incoming solar radiation. *Journal of Solar Energy Research Updates* **2** (1), 14-17, doi:http://dx.doi.org/10.15377/2410-2199.2015.02.01.3. **MK**
144. Papanastasiou D.K., Melas D. and Kambezidis H.D. (2015) Air quality and thermal comfort levels under extreme hot weather. *Atmospheric Research* **152** (special issue: Atmospheric processes in the Mediterranean, Eds S. Michaelides, P. Nastos, H. Flocas), 4-13. **MK**
145. Sakellariou N.K. and Kambezidis H.D. (2015) Improving the estimation of the true mean monthly and true mean annual air temperatures in Greece. *Atmospheric Science Letters* **17** (1), 13-18, doi: 10.1002/asl.592. **MK**
146. Kaskaoutis D.G., Houssos E.E., Rashki A., Francois P., Legrand M., Goto D., Bartzokas A., Kambezidis H.D. and Takemura T. (2016) The Caspian – Hindu Kush Index (CasHKI): a regulatory factor for dust activity over southeast Asia. *Global and Planetary Change* **137**, 10-23, doi:10.1016/j.gloplacha.2015.12.011. **MK**
147. Kambezidis H.D., Psiloglou B.E., Karagiannis D., Dumka U.C. and Kaskaoutis D.G. (2016) Recent improvements of the Meteorological Radiation Model (MRM) for solar irradiance estimates under all-sky conditions. *Renewable Energy* **93**, 142-158, doi:10.1016/j.renene.2016.02.060. **MK** [Related to CI.2.21.]
148. Kambezidis H.D., Psiloglou B.E., Kavadias K.A., Paliatsos A.G. and Bartzokas A. (2016) Development of a Greek solar map based on solar model estimations. *Sun and Geosphere* **11** (2), 137-141. **MK** [Related to CI.2.21.]
149. Kambezidis H.D. (2016) Current trends in solar radiation modelling: The paradigm of MRM. Editorial, *Journal of Fundamentals of Renewable Energy and Applications* **6** (2), e106, doi:10.4172/2090-4541.1000e106. **MK**
150. Kaskaoutis D.G., Kambezidis H.D., Dumka U.C. and Psiloglou B.E. (2016) Dependence of the spectral diffuse-direct irradiance ratio on aerosol spectral distribution and single scattering albedo. *Atmospheric Research* **178-179**, 84-94, doi: 10.1016/j.atmosres.2016.03.018. **MK**
151. Kambezidis H.D. and Kalliampakos G.K. (2016) Forest-fire risk assessment in Northern Greece using a modified Fosberg Fire-Weather Index that includes forest coverage. *International Journal of Atmospheric Sciences* **2016**, 8 pages, doi: 10.1155/2016/8108691. **MK**
152. Kambezidis H.D., Kaskaoutis D.G., Kalliampakos G., Rashki A. and Wild M. (2016) The solar dimming/brightening effect over the Mediterranean Basin during 1979-2012. *Journal of Atmospheric Solar and Terrestrial Physics* **150-151**, 31-46, doi: 10.1016/j.jastp.2016.10.006. **MK**
153. Kaskaoutis D.G., Rashki A., Houssos E.E., Legrand M., Francois P., Bartzokas A., Kambezidis H.D., Dumka U.C., Goto D. and Takemura T. (2017) Assessment of changes

- in atmospheric dynamics and dust activity over SW Asia using the Caspian Sea – Hindu Kush Index. *International Journal of Climatology*, doi: 10.1002/joc.5053. **MK**
154. Kambezidis H.D., Psiloglou B.E., Karagiannis D., Dumka U.C. and Kaskaoutis D.G. (2017) Meteorological Radiation Model (MRM v6.1): Improvements in diffuse radiation estimates and new approach for implementation of cloud products. *Renewable and Sustainable Energy Reviews* **74**, 616-637. **MK**
  155. Kambezidis H.D. (2017) Solar radiation modelling: the latest version and capabilities of MRM. Editorial, *Journal of Fundamentals of Renewable Energy and Applications* **7(2)**, doi: 10.4172/2090-4541.1000e114. **MK**
  156. Kazadzis S., Founda D., Psiloglou B., Kambezidis H., Mihalopoulos N., Sanchez-Lorenzo A., Meleti Ch., Raptis P.I., Pierros F. and Nabat P. (2018) Long-term series and trends in surface solar radiation in Athens, Greece. *Atmospheric Chemistry and Physics* **18**, 2395-2411, doi:10.5194/acp-2017-48. **MK**
  157. Kambezidis H.D. (2018) The solar radiation climate of Athens: variations and tendencies in the period 1992-2017, the brightening era. *Solar Energy* **173**, 328-347, doi:10.1016/j.solener.2018.07.076. **MK**

### B.3. Articles submitted to scientific journals

1. Kasselouri B., Kambezidis H.D., Zevgolis D. and Kotsopoulos S. (2017) Development of a software tool for the environmental study of RES contribution to the electricity production of Greece. *Environmental Education Research*. **MK** [Related to D.3.4]

### B.4. Articles in national scientific conferences – symposia

1. Kambezidis H.D. (1986) Method for finding the multiple-path propagation from statistical elements of signal envelope. *4<sup>th</sup> Panhellenic Physics Conference*, Athens, Greece (18-22/12). **MK** [No Proceedings.]
2. Kambezidis H.D. and Papanikolaou N.S. (1988) Measurements and method for estimating global solar radiation flux on inclined planes with arbitrary orientation. Proceedings *3<sup>rd</sup> National Conference on “Mild-type energies”*, vol. B’, pp. MET69-MET76, Thessaloniki, Greece (9-11/11), ed. Paxouli-Papoudi OE. **XK**
3. Papanikolaou N.S and Kambezidis H.D. (1989) Total solar radiation on horizontal and inclined planes. *5<sup>th</sup> Panhellenic Physics Conference*, Athens, Greece (16-20/12). **MK** [Book of Abstracts.]
4. Kambezidis H.D. and Tsagrasoulis A.E. (1992) Algorithm for estimating hourly values of total solar radiation on horizontal plane. Proceedings *1<sup>st</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, pp. 371-374, Thessaloniki, Greece (21-23/5), ed. ZITI. **MK**
5. Kambezidis H.D. and Peppes A.A. (1992) Influence of synoptic situation and topography on the sea-breeze development. Proceedings *1<sup>st</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, pp. 375-378, Thessaloniki, Greece (21-23/5), ed. ZITI. **MK**
6. Synodinou B.M. and Kambezidis H.D. (1992) Calculation of surface boundary-layer parameters over complex terrain. Proceedings *1<sup>st</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, pp. 379-382, Thessaloniki, Greece (21-23/5), ed. ZITI. **MK**
7. Kambezidis H.D., Tsagrasoulis A.E., Psiloglou B.E., Logothetis M.A. and Sakellariou N.K. (1993) Algorithm for estimating solar radiation on inclined plane from

- meteorological data. Proceedings 6<sup>th</sup> *Panhellenic Physics Conference*, Alexandroupolis, Greece (20/3). **MK** [No Proceedings.]
8. Kambezidis H.D., Tsagrasoulis A.E., Psiloglou A.E., Logothetis M.A. and Sakellariou N.K. (1993) Algorithm for estimating atmospheric spectral radiation on horizontal plane. Proceedings 6<sup>th</sup> *Panhellenic Physics Conference*, Alexandroupolis, Greece (20/3). **MK** [No Proceedings.]
  9. Sakellariou N.K., Papaioannou A., Polyzou A., Asimakopoulos D.N. and Kambezidis H.D. (1993) The problem of estimating mean monthly and annual temperatures. Proceedings 6<sup>th</sup> *Panhellenic Physics Conference*, Alexandroupolis, Greece (20/3). **MK** [No Proceedings.]
  10. Psiloglou B.E. and Kambezidis H.D. (1994) Use of meteorological data for the estimation of solar radiation on inclined plane: comparison of four models. Proceedings 1<sup>st</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, pp. 637-644, Thessaloniki, Greece (28-30/9), ed. ZITI. **MK**
  11. Kambezidis H.D., Sakellariou N.K., Topalis F.B., Kanellias A.A. and Petrova V.D. (1995) Passive pyr heliometric scanner space applications. Proceedings 1<sup>st</sup> *Workshop of Hellenic Space Committee*, pp. 517-523, Athens, Greece (26-27/1). Ed. ALTERNATIVE EDITIONS, ISBN 960-427-040-0. **XK**
  12. Kambezidis H.D. (1995) Renewable energy sources. Meeting for the environment of the Physicists Scientific Movement on "An approach to environmental issues", Athens, Greece (12/4). **XK** [No Proceedings.]
  13. Kambezidis H.D. and Katsoulis B.D. (1996) Modelling and forecast of mean monthly temperature time-series in Athens. Proceedings 3<sup>rd</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, pp. 218-222, Athens, Greece (September). **MK**
  14. Zevgolis D., Kambezidis H.D., Kotsopoulos S., Efthimiopoulos T., Oikonomou G., Adamopoulos A., Gogou P.P.M., Doukas T., Karamboulas D. and Katsenos I. (1996) Contribution of a mobile remote-sensing station to the management of air quality. Proceedings of Conference on "Environment-Development-Culture", Patras, Greece (27-29/11). Ed. University of Patras, 1998, pp. 69-77, ISBN 960-530-024-9. **XK**
  15. Zevgolis D., Kambezidis H.D., Kotsopoulos S., Efthimiopoulos T., Oikonomou G., Adamopoulos A., Gogou P.P.M., Doukas T., Karamboulas D. and Katsenos I. (1996) Establishment of mobile station for remote-sensing air pollutants with the advanced LIDAR technology. Proceedings of Conference on "Environment-Development-Culture", Patras, Greece (27-29/11). Ed. University of Patras, 1998, pp. 79-83, ISBN 960-530-024-9. **XK**
  16. Gogou P.P.M., Karamboulas D., Doukas A., Panagiotopoulos L., Gioldasis N., Kotsopoulos S., Zevgolis D. and Kambezidis H.D. (1996) Organisation of large-scale agricultural experiments: collection and processing of data (surface and micro-climate) using services and specialized tools of tele-informatics. 8<sup>o</sup> *Πανελλήνιο Φυτοπαθολογικό Συνέδριο*, Ηράκλειο (22-24/10). **XK**
  17. Kambezidis H.D., Sakellariou N.K., Topalis F.B., Kanellias A.A. and Petrova V.D. (1996) Monitoring of atmospheric pollution with a passive pyr heliometric scanner. Symposium on "Teledetection and applications", Athens, Greece (28-29/11). **XK**
  18. Kambezidis H.D., Paliatsos A.G., Antoniou A., Melas D., Zarra E. And Michael M. (1997) Spectral analysis of solar radiation and atmospheric pollution. Proceedings 5<sup>th</sup> *Conference on "Environmental Science & Technology"*, pp. 436-441, Molybos, Lesbos island, Greece (1-4/9). **MK**
  19. Kambezidis H.D. and Sakellariou N.K. (1997) Investigation of the contribution of remote sensing about the detection of sort and quality of vegetation and crop assessment. Conference on "Geographical Information Systems & Spatial Analysis", NTUA, Athens, Greece (6-7/6). **XK**

20. Adamopoulos A.D., Kambezidis H.D., Zevgolis D., Topalis F.B. and Djepa V. (1998) Influence of Etesians on optical spectral properties of atmosphere during cloudless summer days. Proceedings 4<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, vol. 2, pp. 313-318, Athens, Greece (22-25/9). **MK**
21. Synodinou B.M. and Kambezidis H.D. (1998) Atmospheric stability in Athens during spring and autumn. Proceedings 4<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, vol. 1, pp. 167-172, Athens, Greece (22-25/9). **MK**
22. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (1998) Detection of atmospheric pollution with study of solar radiation spectrum. Proceedings 3<sup>rd</sup> *Panhellenic Environmental Conference*, vol. A, pp. 11-15, Halkida, Greece (11-13/12). **XK**
23. Kambezidis H.D. (1998) Estimation of atmospheric turbidity parameters after Linke and Unsworth-Monteith in the visible spectrum. Application to Athens. Proceedings 3<sup>rd</sup> *Panhellenic Environmental Conference*, vol. A, pp. 6-10, Halkida, Greece (11-13/12) (**invited talk**).
24. Adamopoulos A.D., Kambezidis H.D., Zevgolis D and Topalis F.B. (1999) Monitoring of the daily variation of atmospheric pollution with analysis of the solar radiation spectrum. 8<sup>th</sup> *Panhellenic Physics Conference*, Olympia, Greece (28-31/1). **MK** [Book of Abstracts.]
25. Kambezidis H.D. (1999) The evolution of atmospheric pollution in the Athens basin. 8<sup>th</sup> *Panhellenic Physics Conference*, Kyparissia, Greece (30/1) (**invited talk**). [Book of Abstracts.]
26. Adamopoulos A.D., Kambezidis H.D., Zevgolis D. and Topalis F.B. (2000) Study on the variation of atmospheric turbidity from solar spectral measurements. Proceedings 1<sup>st</sup> *National Conference on "Technologies for mild-type energy and environment: Proposed solutions specific for Greece"*, TEI Piraeus (11-12/12). Ed. ION, pp. 301-309, ISBN 960-411-088-8. **MK**
27. Kambezidis H.D., Adamopoulos A.D. and Zevgolis D. (2000) Study of Ångström and Schüepp turbidity indices from spectral measurements of solar radiation. Proceedings 5<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Thessaloniki, Greece (28-29/9). Ed. ZITI, ISBN 960-431-765-2, pp. 487-494. **MK**
28. Psiloglou B.E. and Kambezidis H.D. (2002) Comparison between measured and estimated values of surface reflectance in the Athens area. Proceedings 6<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, vol. B, pp. 544-550, Ioannina, Greece (25-28/9). Ed. B.D. Katsoulis, University of Ioannina, ISBN 960-233-138-0. **MK**
29. Adamopoulos A.D., Kambezidis H.D., Zevgolis D. and Giavis G. (2002) Study about the aerosols size from spectral measurements of solar radiation. Proceedings 6<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, vol. A, pp. 5-10, Ioannina, Greece (25-28/9). Ed. B.D. Katsoulis, University of Ioannina, ISBN 960-233-138-0. **MK**
30. Markou M.T., Kambezidis H.D., Katsoulis B.D., Muneer T. and Bartzokas A. (2002) Classification of sky types during the winter period in S. England. Proceedings 6<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, vol. A, pp. 146-155, Ioannina, Greece (25-28/9). Ed. B.D. Katsoulis, University of Ioannina, ISBN 960-233-138-0. **MK**
31. Kambezidis H.D. (2004) Ultraviolet radiation and health. 2<sup>nd</sup> *Panhellenic "Contemporary technologies & tomorrow's medicine & health" Conference*. Patras, Greece (22-27/6). **XK** [No Proceedings.]
32. Paliatsos A.G., Kambezidis H.D., Nastos P.T., Kariofylli M.D. and Kastranta E.G. (2004) The spatial distribution of rainfall trends in the Hellenic region. 7<sup>th</sup> *Panhellenic Geographical Conference*, Mytilini, Lesbos island, Greece (14-17/10). Ed. Lithographia, ISBN 960-7475-29-1, pp. 122-128. **MK**
33. Markou M.T., Bartzokas A. and Kambezidis H.D. (2005) Study of daily variation of daylight in the Athens area. Proceedings 7<sup>th</sup> *Panhellenic Conference on "Meteorology-*

- Climatology-Atmospheric Physics*”, Larnaka, Cyprus (28-30/9/2004). Ed. S.C. Michaelides, ISBN 9963-9160-0-7, pp. 655-665. **MK**
34. Kaskaoutis D.G. and Kambezidis H.D. (2006) Study about the spectral dependence of aerosols on Ångström’s wave exponent in the Athens area. *8<sup>th</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, Athens, Greece (22-24/5/2006). **MK**
  35. Kaskaoutis D.G. and Kambezidis H.D. (2006) Modification of the ratio of diffuse-to-direct radiation as function of atmospheric turbidity and zenith angle. *8<sup>th</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, Athens, Greece (22-24/5/2006). **MK**
  36. Psiloglou B.E. and Kambezidis H.D. (2006) Comparison between measured and estimated values of surface reflectance in the regions of Goodwin Creek and Desert Rock, USA. *8<sup>th</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, Athens, Greece (22-24/5/2006). **MK**
  37. Giavis G., Kambezidis H.D. and Lykoudis S. (2006) calculation of solar radiation spectrum in the band of 300-1100 nm based on the SMARTS spectral code. *8<sup>th</sup> Panhellenic Conference on “Meteorology-Climatology-Atmospheric Physics”*, Athens, Greece (22-25/5/2006). **MK**
  38. Kambezidis H.D. (2006) Energy savings with the appropriate application of daylight standards. Proceedings of *Seminar on Energy savings*, Medical-biological Research Centre, Academy of Sciences, 3 November, pp. 110-114. **XK**
  39. Kosmopoulos PP., Nastos PP.T., Kaskaoutis D.G. and Kambezidis H.D. (2007) Study about dust episodes in Athens from satellite data in the period 2000-2005. *8<sup>th</sup> Panhellenic Geographical Conference*, Athens, Greece (10-12/10). **MK**
  40. Psiloglou B.E. and Kambezidis H.D. (2008) The Meteorological Radiation Model: applications in the Mediterranean area. Proceedings *9<sup>th</sup> Conference on “meteorology-Climatology-Atmospheric Physics”*, Thessaloniki, Greece (28-31/5). Ed. ZITI, ISBN 978-960-98291-0-6, pp. 751-758. **MK**
  41. Kosmopoulos PP., Nastos PP.T., Kaskaoutis D.G. and Kambezidis H.D. (2008) Optical properties of aerosols over Athens. Proceedings *9<sup>th</sup> Conference on “Meteorology-Climatology-Atmospheric Physics”*, Thessaloniki, Greece (28-31/5). Ed. ZITI, ISBN 978-960-98291-0-6, pp. 671-678. **MK**
  42. Kambezidis H.D. (2009) Climate change: past, present and future (**invited talk**). *8<sup>th</sup> Environmental Conference*, Heraklion, Crete, Greece (26-29/3). **XK**
  43. Karras J., Kambezidis HD. and Zevgolis D. (2010) Developemnt of a multimedia application for energy savings in a typical office space using RES hybrid system. *Conference on Energy: Today situation – Design – Perspectives*, organised by TEE, Athens, Greece (8-9/3). **XK**

## **B.5. Articles in international scientific conferences – symposia**

1. Kambezidis H.D. and Katsoulis B.D. (1984) The influence of topography on the precipitation regime in mountainous central Greece. Proceedings *XVIII International Conference for “Alpine Meteorology”*, pp. 288-290, Opatija, Yougoslavia (25-29/9). **MK**
2. Katsoulis B.D. and Kambezidis H.D. (1984) Evidence of the change of climate as revealed from climatological analysis of Athens air temperature timeseries. Proceedings *XVIII International Conferecne for “Alpine Meteorology”*, pp. 291-293, Opatija, Yougoslavia (25-29/9). **MK**
3. Kambezidis H.D. and Katsoulis B.D. (1985) Relations between global, net solar radiation and sunshine in Athens, Greece. Proceedings *3<sup>rd</sup> Greek-British Climatological Conference*, pp. 10-15, Athens (17-21/4). Proceedings published in 1986. **MK** [Related to C.1.15.]

4. Asimakopoulos D.N., Helmis C.G. and Kambezidis H.D. (1985) Experimental study of the flow behind a large wind turbine. Proceedings *Delphi Workshop on "Wind Energy-Applications"*, pp. 107-112, Delphi, Greece (20-22/5). **MK**
5. Kambezidis H.D. and Katsoulis B.D. (1985) Computation of the variation of annual precipitation over mountainous areas in Greece. Proceedings *XII International Conference on "Carpathian Meteorology"*, pp. 94-96, Belgrade, Yugoslavia (1-5/10). **MK**
6. Katsoulis B.D. and Kambezidis H.D. (1985) Variation of cloudiness and sunshine in Northern Greece. Proceedings *XII International Conference on "Carpathian Meteorology"*, 67-70, Belgrade, Yugoslavia (1-5/10). **MK**
7. Kambezidis H.D. and Papanikolaou N.S. (1989) Total solar irradiance flux through inclined surfaces with arbitrary orientation in Greece: Comparison between measurements and model. *XIV General Assembly of the European Geophysical Society*, Barcelona, Spain (13-17/3). **MK [Book of Abstracts.]**
8. Kambezidis H.D., Asimakopoulos D.N. and Helmis C.G. (1989) Preliminary results on the wake of a medium WECS. *ECWEC'89*, Glasgow, UK (10-13/7). **MK [Related to C.1.15.]**
9. Kambezidis H.D., Georgakopoulos A.PP. and Asimakopoulos D.N. (1990) Calculation of velocity deficits in the wake of a WECS. Proceedings *ECWEC'90*, Madrid, Spain (10-14/9). Ed. by W. Palz, Publ. by H.S. Stephens & Associates, pp. 196-197, ISBN 0-9510271-8-2. **MK**
10. Kambezidis H.D., Psiloglou B.E. and Asimakopoulos D.N. (1991) Soil temperature variation during a winter month. Proceedings *1<sup>st</sup> General Conference of the Balkan Physical Union*, Thessaloniki, Greece (26-28/9). Ed. Dr. K.M. Paraskevopoulos, Hellenic Physical Society, Thessaloniki Branch, vol. I, pp. 317-319. **MK**
11. Georgakopoulos A.PP., Kambezidis H.D. and Asimakopoulos D.N. (1991) Wind velocity profile simulation in the wake of a wind turbine. *BWEA'13 Conference*, Swansea, UK (10-12/4). **MK**
12. Kambezidis H.D., Tierris C.E. and Asimakopoulos D.N., (1991) Application of an algorithm for solar radiation on tilted surfaces at local level. *3<sup>rd</sup> European Symposium on "Soft energy sources at the local level"*, Chios Island, Greece (11-14/9). **MK**
13. Kambezidis H.D. (1991) Some cases of weather systems affecting air pollution over Athens. *1<sup>st</sup> General Conference of the Balkan Physical Union*, Thessaloniki, Greece (26-28/9). Ed. Dr. K.M. Paraskevopoulos, Hellenic Physical Society, Thessaloniki Branch, pp. 320-322. **MK**
14. Kambezidis H.D., Peppes A.A. and Asimakopoulos D.N. (1991) An environmental experiment over Athens urban area. *1<sup>st</sup> General Conference of the Balkan Physical Union*, Thessaloniki, Greece (26-28/9). Ed. Dr. K.M. Paraskevopoulos, Hellenic Physical Society, Thessaloniki Branch, pp. 245-247. **MK**
15. Kambezidis H.D., Papanikolaou N.S. and Founda D.H. (1991) Atmospheric turbidity parameters in Athens. *1<sup>st</sup> General Conference of Balkan Physical Union*, Thessaloniki, Greece (26-28/9). Ed. Dr. K.M. Paraskevopoulos, Hellenic Physical Society, Thessaloniki Branch, pp. 266-268. **MK**
16. Melas D. and Kambezidis H.D. (1992) A similarity method to derive turbulence parameters and mixed-layer depth from sodar measurements. Proceedings *6th ISARS*, Athens, Greece (26-29/5). Ed. by D.N. Asimakopoulos, pp. 213-218. **MK**
17. Papayannis A., Kambezidis H.D. and Asimakopoulos D.N. (1992) Development of a mobile 3D scanning lidar system for aerosol monitoring in rural areas in Greece. Proceedings *6th ISARS*, Athens, Greece (26-29/5). Ed. by D.N. Asimakopoulos, pp. 117-122. **MK**



18. Kambezidis H.D. (1992) An environmental experiment over Athens urban area. *7<sup>th</sup> School on Quantum Electronics "Lasers-Physics and Applications"*, Bulgarian Academy of Sciences, Sofia (28/9 - 2/10). Ed. by Dr. PP.A. Atanasov, pp. 218-250. **xk**
19. Kambezidis H.D. (1992) Some applications of lasers in environmental studies. *7<sup>th</sup> School on Quantum Electronics "Lasers-Physics and Applications"*, Sofia (28/9 - 2/10). Ed. by Dr. PP.A. Atanasov, pp. 275-279. **xk**
20. Littlefair PP., Chauvel PP., Perraudeau M., Fontoynt M., Dumortier D., Carvahlo L., Asimakopoulos D.N. and Kambezidis H.D. (1993) Commission of the European Community Joule Programme: Daylight monitoring programme. *LUX EUROPA*, Edinburgh (4-7/4). **mk**
21. Kambezidis H.D. and Köpp F. (1993) A case of a squall-line event as experienced by an LDA. Proceedings SPIE of *5<sup>th</sup> International Conference on "Laser Anemometry-Advances and Applications"*, Koningshof, Veldhoven, Netherlands, 23-27 August. Eds: J.M. Bessem, R. Booij, H.W.H.E. Godefroy, PP.J. de Groot, K.K. Psarad, F.F.M. de Mul, E.J. Nijhof, **2052**, pp. 339-342 **mk**
22. Kambezidis H.D., Logothetis M.A., Psiloglou B.E., Tsagrassoulis A.E. and Georgakopoulos A.PP. (1993) Modelling improvement for wind turbine wakes. Proceedings *ECWEC'93*, Travemunde, Germany (8-12/3). Ed. by A.D. Garrad, W. Palz and S. Scheller, Publ. by H.S. Stephens & Associates, pp. 455-456, ISBN 0-9521452-0-0. **mk**
23. Kambezidis H.D., Psiloglou B.E., Tsagrassoulis A.E., Logothetis M.A., Sakellariou N.K. and Balaras C.A. (1993) A methodology to give solar radiation on tilted planes from meteorological data. Proceedings *ISES Solar World Congress "Harmony with nature"*, Budapest, Hungary (23-27/8). Ed. by I. Farkas, Publ. by the Hungarian Energy Society, pp. 99-104. **mk**
24. Logothetis M.A., Kambezidis H.D., Psiloglou B.E. and Balaras C.A. (1993) Summer and winter daylight availability in Athens. Proceedings *ISES Solar World Congress "Harmony with nature"*, Budapest, Hungary (23-27/8). Ed. by I. Farkas, Publ. by the Hungarian Energy Society, pp. 206-210. **mk**
25. Kambezidis H.D. (1993) NATO/CCMS pilot study: Air pollution transport and diffusion over coastal urban areas. *86<sup>th</sup> A&WMA Annual Meeting*, Denver, Colorado, USA (14-18/6). **mk**
26. Kambezidis H.D. (1993) An IBL experiment over Athens area associated with air pollution transport and diffusion. *NATO ARW on "Recent research advances in the fluid mechanics of turbulent jets and plumes"*, Viana do Costelo, Portugal (28/6-2/7). NATO ASI Series E: Applied Sciences vol. 255, (Edited by PP.A. Davies and M.J. Valente Neves, Kluwer Academic Publishers, 1994), pp. 335-342. **xk**
27. Kambezidis H.D. (1993) An IBL experiment over Athens urban area. *NATO ASI on "Wind climate in cities"*, Karlsruhe, Germany (5-16/7). NATO ASI Series E: Applied Sciences vol. 277, (Edited by J.E. Cermak, A.G. Davenport, E.J. Plate, D.X. Viegas, Kluwer Academic Publishers, 1995, ISBN 0-7923-3202-4), pp. 751. **xk**
28. Kambezidis H.D., Logothetis M.A., Oikonomopoulos I., Papadodimas V. and Xidadakas D. (1993) Determination of the visual distance as a function of photometric parameters. Proceedings *2<sup>nd</sup> European Conference on "Energy-Efficient Lighting" (RIGHT LIGHT)*, pp. 291-298, Arnhem, Netherlands (26-29/9). **mk**
29. Kambezidis H.D., Logothetis M.A., Tsangrassoulis A.E. and Psiloglou B.E. (1993) Daylight levels in Athens. Proceedings *2nd European Conference on "Energy-Efficient Lighting" (RIGHT LIGHT)*, pp. 299-316, Arnhem, Netherlands (26-29/9). **mk**
30. Helmis C.G., Asimakopoulos D.N., Papadopoulos K.H., Papageorgas PP.G., Soilemes A.T. and Kambezidis H.D. (1993) An experimental study of wind turbine wakes over complex terrain. Proceedings *ISES Solar World Congress "Harmony with nature"*,

- Budapest, Hungary (23-27/8). Ed. by I. Farkas, Publ. by the Hungarian Energy Society, pp. 287-292. **MK**
31. Papadopoulos K.H., Soilemes A.T., Papageorgas P.P.G., Helmis C.G., Asimakopoulos D.N. and Kambezidis H.D. (1993) Surface wind flow characteristics over complex terrain in relation to wind energy applications. Proceedings *ISES Solar World Congress "Harmony with nature"*, Budapest, Hungary (23-27/8). Ed. by I. Farkas, Publ. by the Hungarian Energy Society, pp. 195-200. **MK**
  32. Sakellariou N.K., Papadopoulos K.H., Kambezidis H.D., Psiloglou B.E. and Asimakopoulos D.N. (1993) Analyse de correlations des nouveaux de pluie mensuels a des stations de la mer Egee. *6<sup>th</sup> International Climatological Conference*, Thessaloniki, Greece (22-24/9). **MK**
  33. Page J., Chauvel P.P., Asimakopoulos D.N., Carvahlo L., Dumortier D., Fontoynt M., Kambezidis H.D., Littlefair P.P., Logothetis M.A., Perraudau M. and Tregenza P.P. (1993) Availability of daylight in Europe and design of a European Daylighting Atlas. Proceedings *2<sup>nd</sup> European Conference on "Energy-Efficient Lighting" (RIGHT LIGHT)*, Arnhem, Netherlands (26-29/9). **MK**
  34. Kambezidis H.D. (1993) NATO/CCMS Pilot Study Workshop on "Air pollution transport and diffusion over coastal urban areas". Proceedings *A&WMA International Specialty Conference on "Regional photochemical measurement and modelling studies"*, VIP-48, pp. 1101-1106, San Diego, USA (7-12/11), Edited by A.J. Ranzieri, P.P.A. Solomon. **MK**
  35. Kambezidis H.D. (1993) An environmental project within Athens urban area. Proceedings *A&WMA International Specialty Conference on "Regional photochemical measurement and modelling studies"*, San Diego, USA (7-12/11). **MK**
  36. Kambezidis H.D., Psiloglou B.E., Muneer T. and Angus R.C. (1994) Comparison of solar irradiance models with measurements for two regions in southern and northern Europe. Proceedings *NORTH SUN International Conference on "Solar energy at high altitudes"*, Edinburgh (7-9/9). Ed. by K. MacGregor and C. Porteous, Publ. by James & James (Science publishers) Ltd, 1994, pp. 177-182. **MK**
  37. Muneer T., Angus R.C., Kambezidis H.D. and Psiloglou B.E. (1994) A comparison of daylight illuminance models for Edinburgh and Athens. Proceedings *NORTH SUN International Conference on "Solar energy at high altitudes"*, Edinburgh (7-9/9). Ed. by K. MacGregor and C. Porteous, Publ. by James & James (Science publishers) Ltd, 1994, pp. 415-420. **MK**
  38. Steinberger E.H. and Kambezidis H.D. (1995) Increase in UV solar flux since 1989 in Jerusalem and Athens. Proceedings *10<sup>th</sup> World Clean Air Congress*, Finland (28/5-2/6). Ed. by P.P. Antilla, J. Kamari, M. Tolvanen, vol. 2, pp. 301-304. **MK**
  39. Kotsopoulos S., Kambezidis H.D. and Zevgolis D. (1995) Application of efficient RF modelling to wireless dispatch systems. *9<sup>th</sup> International Conference on "Antennas and propagation"*, Netherlands (4-7/4). **MK**
  40. Kotsopoulos S., Kambezidis H.D. and Zevgolis D. (1995) Implementation of a new teleworking communication platform to support services on agro-biotechnological applications. *5<sup>th</sup> IEE Conference on "Telecommunications"*, UK (26-29/3). **MK**
  41. Weidauer D., Kambezidis H.D., Ulbricht M. and Melas D. (1995) Remote sensing of air pollution dynamics over large European cities. *8<sup>th</sup> International Symposium on "Environmental pollution and its impact on life in the Mediterranean region"*, Rhodes, Greece (8-12/10). **MK [Book of Abstracts.]**
  42. Kambezidis H.D., Sakellariou N.K., Topalis F.B., Kanellias A.A. and Petrova V.D. (1995) Air pollution monitoring with a passive pyrheliometric scanner. *8<sup>th</sup> International Symposium on "Environmental pollution and its impact on life in the Mediterranean region"*, Rhodes, Greece (8-12/10). **MK [Book of Abstracts.]**

43. Muneer T., Kambezidis H.D. and Allwinkle S. (1996) An all-sky solar meteorological radiation model for the UK. Proceedings *CIBSE/ASHRAE Joint National Conference*, pp. 271-280, Harrogate, UK (29/9-1/10). **MK**
44. Kotsopoulos S., Kambezidis H.D., Zevgolis D., Karaboulas D. and Doukas A. (1996) On the implementation of a new technological teleworking communication platform to study, investigate and control the parameters affecting the agricultural and atmospheric pollution during large-scale pesticide spraying procedures in agricultural fields of open air cultivations. *5<sup>th</sup> International Conference on "Atmospheric sciences and applications to air quality"*, Seattle, Washington D.C., USA (18-20/6). **MK**
45. Katsoulis B.D. and Kambezidis H.D. (1996) Forecasting of average monthly climatological time series. Proceedings *1<sup>st</sup> Regional Conference on "Climate Change"*, Tehran, Iran (21-23/5). **MK**
46. Kambezidis H.D., Adamopoulos A.D., Muneer T. and Zevgolis D. (1997) Validation of a new all-sky solar spectral radiation model. Proceedings *1997 Solar World Congress of ISES*, Taejon, Korea (24-30/8). **MK** [Proceedings on CD-ROM.]
47. Muneer T., Gul M.S. and Kambezidis H.D. (1997) Solar radiation models based on meteorological data. Proceedings *1997 Solar World Congress of ISES*, Taejon, Korea (24-30/8). **MK** [Proceedings on CD-ROM.]
48. Kambezidis H.D., Adamopoulos A.D., Sakellariou N.K., Topalis F.B., Kanellias A.A., Petrova V.D. and Zevgolis D. (1997) Atmospheric chemistry and climate changes monitoring by a simple passive system. *9<sup>th</sup> International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, S. Agnello di Sorrento, Italy (4-9/10). **MK**
49. Kambezidis H.D., Zevgolis D., Kotsopoulos S., Efthimiopoulos T. and Ehret G. (1997) Environmental management in Athens with the use of the advanced-LIDAR technique. *9<sup>th</sup> International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, S. Agnello di Sorrento, Italy (4-9/10). **MK** [Book of Abstracts.]
50. Bilbao J., de Miguel A., Aguiar R. and Kambezidis H. (1997) Models of solar radiation and temperature in the CliMed project. *XXVI Reunión Biental de la Real Sociedad Espanola de Fisica*, Las Palmas de Gran Canaria (29/9-3/10). Ed. by University of Las Palmas de Gran Canaria, Service of Publications, pp. 255-256. **MK**
51. Aguiar R., Bilbao J., de Miguel A. and Kambezidis H.D. (1997) O projecto CliMed: "Series climaticas sinteticas para a cintura Mediterranica" descricao e alguns resultados preliminares. Proceedings *VII Iberian Congress of Solar Energy on "Solar Energy and Life Quality"*, Porto, May (ed. for ISES-SPES RN), pp. 117-122. **MK**
52. Synodinou B.M. and Kambezidis H.D. (1998) Atmospheric stability in Athens, Greece, during winter and summer. *7<sup>th</sup> International Conference ENVIROSOFT98 on "Development and applications of computer techniques to environmental studies"*, Las Vegas, USA (10-12/11). Edited by D.W. Pepper, C.A. Brebbia, PP. Zanetti, Published by WITPress, pp. 271-280, ISBN1-85312-6063. **MK**
53. Kambezidis H.D., Adamopoulos A.D., Djepa V., Zevgolis D. and Topalis F.B. (1998) A radiative model based on multispectral direct solar radiation measurements. Proceedings *7<sup>th</sup> International Conference ENVIROSOFT98 on "Development and applications of computer techniques to environmental studies"*, Las Vegas, USA (10-12/11). Edited by D.W. Pepper, C.A. Brebbia, PP. Zanetti, Published by WITPress, pp. 87-98, ISBN1-85312-6063. **MK**
54. Adamopoulos A.D., Kambezidis H.D., Zevgolis D., Topalis F.B. and Djepa V. (1998) Aerosol optical thickness through modified Langley-plots in the atmosphere of Athens, Greece. Proceedings *EuroSun98*, Portoroz, Slovenia (14-17/9). Ed. by A. Goetzberger, A. Krainer, 1999, pp. I.1.1-1 - I.1.1-7, ISBN 0-9524150-3-8. **MK**

55. Adamopoulos A.D., Kambezidis H.D., Zevgolis D., Topalis F.B. and Djepa V. (1998) Variability of total optical thickness in the atmosphere of Athens, Greece. Proceedings *EuroSun98*, Portoroz, Slovenia (14-17/9). Ed. by A. Goetzberger, A. Krainer, 1999, pp. I.1.2-1 - I.1.2-7, ISBN 0-9524150-3-8. **MK**
56. Melas D., Abbate G. and Kambezidis H.D. (1998) Coupling of sodar data with simple numerical models for the estimation of dispersion parameters. Proceedings *23<sup>rd</sup> NATO/CCMS ITM on "Air pollution modelling and its application"*. Varna (28/9-2/10). Ed. By S.E. Gryning, E. Batchvarova, Kluwer Academic/Plenum Publishers, 2000, pp. 731-732, ISBN 0-306-46188-9. **MK**
57. Kambezidis H.D., Efthimiopoulos T., Ehret G., Kotsopoulos S., Zevgolis D., Economou G., Kosmidis C., Adamopoulos A.D., Doukas A., Gogou P.P.M., Karaboulas D. and Katsenos J. (1998) Advanced-technology-laser-aided air pollution monitoring in Athens: The Greek Differential Absorption LIDAR. Proceedings SPIE of *2<sup>nd</sup> GR-I International Conference on "New Laser Technologies and Applications"*. Eds: A. Carabelas, P.P. Di Lazzaro, A. Torre, G. Baldacchini, **3423**, pp. 262-265. **MK**
58. Kambezidis H.D., Zevgolis D., Efthimiopoulos T., Kotsopoulos S., Economou G. and Adamopoulos A.D. (1999) Use of the LIDAR technique in air quality management in an urban area. Proceedings SPIE of *EUROPTO99 on "Environmental sensing and applications"*, Munich, 14-17 June. Eds: M. Carleer, M. Hilton, T. Lamp, R. Reuter, G.M. Russwurm, K. Schäfer, K. Weber, K. Weitkamp, J.-P.P. Wolf, L. Woppowa, **3821**, pp. 29-34. **MK**
59. Kambezidis H.D., Adamopoulos A.D., Sakellariou N.K., Pavlopoulos H.G., Aguiar R., Bilbao J., de Miguel A. and Negro E. (1999) The "Meteorological Radiation Model". Proceedings *ISES Solar World Congress*, Jerusalem (4-9/7). **MK [Proceedings on CD-ROM.]**
60. Kambezidis H.D., Adamopoulos A.D. and Zevgolis D. (1999) A comparison of spectral total atmospheric transmission between summer and winter in Athens, Greece. Proceedings *ISES Solar World Congress*, Jerusalem (4-9/7). **MK [Proceedings on CD-ROM.]**
61. Kambezidis H.D., Fotiadi A.K. and Katsoulis B.D. (1999) Variability of atmospheric turbidity in Athens, Greece. Proceedings *ISES Solar World Congress*, Jerusalem (4-9/7). **MK [Proceedings on CD-ROM.]**
62. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (1999) Light climate characteristics for daylighting evaluations. Proceedings *10<sup>th</sup> International Conference on "Indoor climate of buildings"*, pp. 49-54, High Tatras, Slovenia, 4-5 November. **MK**
63. Topalis F.V., Triantafillopoulou E.K., Kanellias A.A., Gonos I.F. and Petrova V.D., Kambezidis (1999) Spectral analysis of solar radiation for the determination of the air constituents and pollutants. Proceedings *1<sup>st</sup> Balkan Conference on "Lighting"*, pp. 51-55, Varna, Bulgaria (6-8/10). **MK**
64. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (2000) Light climate characteristics for daylighting evaluations. Proceedings *11<sup>th</sup> International Conference on "Indoor climate of buildings"*, pp. 35-39, High Tatras, Slovenia (4-5/11). **MK**
65. Kambezidis H.D. and Badescu V. (2000) MRM: A new solar radiation computing model. Application to Romania. Proceedings *7<sup>th</sup> Conference on "Efficiency, comfort, energy preservation and environmental protection"*, Bucharest (29-30/11). Publ. by CONPRESS, pp. 195-199, 2000. **MK**
66. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (2001) Daylight climate specification based on Athens and Bratislava data: comparison of daylight conditions. Proceedings *LUX EUROPA 2001*, Reykjavik (18-20/6). Ed. by the Illuminating Engineering Society of Iceland, pp. 442-449, 2001. **MK**
67. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2001) Case studies of the atmospheric turbidity in Athens, Greece: comparison between summer and winter. *11<sup>th</sup>*

- International Conference on “Environmental pollution and its impact on life in the Mediterranean region”*, Limassol, Cyprus (6-10/10). **MK**
68. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2001) Case studies of the total NO<sub>2</sub> column in the atmosphere of Athens, Greece: comparison between summer and winter. *11<sup>th</sup> International Conference on “Environmental pollution and its impact on life in the Mediterranean region”*, Limassol, Cyprus (6-10/10). **MK**
  69. Adamopoulos A.D., Kambezidis H.D. and Zevgolis D. (2001) Total atmospheric transmittance monitoring from ground-based spectral measurements of beam irradiance. *1<sup>st</sup> Hellenic-Turkish International Physics Conference*, Alikarnassos (Bodrum), Turkey – Kos island, Greece (10-15/9/2001). **MK** [Book of Abstracts.]
  70. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (2002) Dynamics of radiation and daylight climate linked to standard skies. Proceedings of the *CIE/ARUP Symposium on “Visual Environment”*, London (24-25/4). Publ. by CIE, ISBN 3901906169, pp. 43-48, 2002. **MK**
  71. Kambezidis H.D., Giavis G. and Zevgolis D. (2002) Laser beam absorption by atmospheric gases in the IR spectrum. *3<sup>rd</sup> Greek-Italian International Conference on “New Laser Technologies and Applications”*, Patras, Greece (5-8/9). **MK**
  72. Adamopoulos A.D., Kambezidis H.D., Zevgolis D. and Giavis G. (2003) A case study of particle size in the atmosphere of Athens, Greece, retrieved from solar spectral measurements. Proceedings *1<sup>st</sup> International Conference of Experts on “Measurements and modelling of solar radiation: Challenges for the 21<sup>st</sup> Century”*, Edinburgh, UK (15-16/9). **MK** [Proceedings on CD-ROM.]
  73. Markou M.T., Kambezidis H.D., Bartzokas A., Katsoulis B.D. and Muneer T. (2003) Sky-type classification in central England during winter time. Proceedings *1<sup>st</sup> International Conference of Experts on “Measurements and Modelling of Solar Radiation: Challenges for the 21<sup>st</sup> Century”*, Edinburgh, UK (15-16/9). **MK** [Proceedings on CD-ROM.]
  74. Psiloglou B.D. and Kambezidis H.D. (2003) Comparison between measured and estimated values of ground-reflected radiation at Goodwin Creek site, USA. Proceedings *1<sup>st</sup> International Conference of Experts on “Measurements and Modelling of Solar Radiation: Challenges for the 21<sup>st</sup> Century”*, Edinburgh, UK (15-16/9). **MK** [Proceedings on CD-ROM.]
  75. Bartzokas A., Kambezidis H.D., Darula S. and Kittler R. (2003) Sky luminance distribution in Central Europe and the Mediterranean during summer period. Proceedings *8<sup>th</sup> International Conference on “Environmental Science and Technology”*, Lemnos island, Greece (8-10/9). Ed. T.D. Lekkas, ISBN 960-7475-24-0, pp. 79-85, 2003. **MK**
  76. Giavis G.M., Kambezidis H.D., Sifakis N., Toth Z., Adamopoulos A.D. and Zevgolis D. (2003) Variability of the aerosol optical depth in the UV, VIS and NIR spectral regions in Athens, Greece. Proceedings *5<sup>th</sup> General Conference of the Balkan Physical Union*, 1371-1376, Vrnjcka Banja, Serbia & Montenegro (25-29/8). **MK** [Proceedings on CD-ROM.]
  77. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (2003) Reconstruction of missing measured illuminance values in regular daylight data recordings. Proceedings *14<sup>th</sup> International Conference DAYLIGHT 2003*, Liptovsky Jan, Slovakia (8-10/10). Publ. by DOM Techniky ZSVTS Bratislava s.r.o., ISBN-8023304887, pp. 62-70. **MK**
  78. Kambezidis H.D. and Sifakis N. (2004) Air quality in the Greater Athens Area. Proceedings *EuroBionet Conference on “Urban air pollution, bioindication and environmental awareness”*, Hohenheim, Germany (5-6/11), pp. 17-24. Ed. by A. Klumpp, W. Ansel, G. Klumpp, ISBN 3-89873-078-0, 2004. **MK**
  79. Darula S., Kittler R., Kambezidis H.D. and Bartzokas A. (2004) Frequency probabilities of daylight illuminance courses due to sunshine duration. Proceedings *1<sup>st</sup> HIC International*

- Symposium on “Technological advancements of daylight applications”*, Athens, Greece (26-27/2).Ed. HIC, ISBN 960-88011-0-9, pp. 26-29. **XK**
80. Markou M.T., Kambezidis H.D., Bartzokas A., Darula S. and Kittler R. (2004) Sky-type classification for the region of Athens-Greece, during a typical daylight and solar radiation year. Proceedings *1<sup>st</sup> HIC International Symposium on “Technological advancements of daylight applications”*, Athens, Greece (26-27/2).Ed. HIC, ISBN 960-88011-0-9, pp. 30-34. **XK**
  81. Giavis G., Kambezidis H.D., Toth Z. and Paissidis G. (2004) Spectral UV variation in Athens and Budapest areas in the autumn. Proceedings *CIE Symposium on “Light & Health”*, Vienna, Austria (29/9–2/10). Ed. CIE x027:2004, ISBN 3-901-906-37-1, pp. 166-169. **MK**
  82. Kambezidis H.D., Lykoudis S. Psiloglou B.E. and Kavouras I. (2004) TUVV variation in the Athens area, Greece, in the period 1989-2003. Proceedings *CIE Symposium on “Light & Health”*, Vienna, Austria (29/9–2/10). Ed. CIE x027:2004, ISBN 3-901-906-37-1, pp. 202-205. **MK**
  83. Adamopoulos A.D., Kambezidis H.D., Giavis G. and Kaskaoutis D.G. (2005) Cases on particle radius in a vertical atmospheric column over Athens retrieved from solar spectral measurements. Proceedings *SOLARIS 2005 2<sup>nd</sup> Joint Conference of HIC and the Forum of Experts on Measurements and Modelling of Solar Radiation on “Solar light advancements in the dawn of the 21<sup>st</sup> century”*, Athens, Greece (26-27/5). Ed. HIC, pp. 8-12. **MK**
  84. Giavis G., Kambezidis H.D., Likoudis S. and Zevgolis D. (2005) Aerosol influence on direct-beam solar irradiance in the urban environment of Athens. Proceedings *SOLARIS 2005 2<sup>nd</sup> Joint Conference of HIC and the Forum of Experts on Measurements and Modelling of Solar Radiation on “Solar light advancements in the dawn of the 21<sup>st</sup> century”*, Athens, Greece (26-27/5). Ed. HIC, pp. 14-18. **MK**
  85. Kaskaoutis D.G., Kambezidis H.D. and Stavridakis E. (2005) A preliminary study of the solar irradiance components – Modification under different atmospheric conditions in an urban environment. Proceedings *SOLARIS 2005 2<sup>nd</sup> Joint Conference of HIC and the Forum of Experts on Measurements and Modelling of Solar Radiation on “Solar light advancements in the dawn of the 21<sup>st</sup> century”*, Athens, Greece (26-27/5). Ed. HIC, pp. 20-24. **MK**
  86. Kaskaoutis D.G., Kambezidis H.D. and Stavridakis E. (2005) Estimation of the aerosol optical depth in the Greater Athens Area during May 1995. Proceedings *SOLARIS 2005 2<sup>nd</sup> Joint Conference of HIC and the Forum of Experts on Measurements and Modelling of Solar Radiation on “Solar light advancements in the dawn of the 21<sup>st</sup> century”*, Athens, Greece (26-27/5). Ed. HIC, pp. 26-30. **MK**
  87. Kambezidis H.D., Paissidis G. and Römhild T. (2005) Light perspectives by means of a new water-blinds shading system. Proceedings *LUX EUROPA 2005*, Βερολίνο (19–21/9/2005). Έκδοση Deutsche Lichttechnische Gesellschaft e.V. (H.D. Range), ISBN 3-927787-27-2, pp. 254-255. **MK**
  88. Kambezidis H.D., Kaskaoutis D.G. and Kassomenos P. (2005) Confrontation of forest fires in Greece. *13<sup>th</sup> Intern. Symposium on “Environment pollution and its impact on life in the Mediterranean region”*, Thessaloniki, Greece (8-12/10/2005). **MK**
  89. Darula S., Kittler R., Kambezidis H.D., Bartzokas A. and Markou M. (2005) A contribution to the predetermination of daylight reference conditions. Proceedings *16<sup>th</sup> International Conference LIGHT 2005*, Nízke Tatry, Slovakia (19-21/10/2005). Ed. TYPHOON sro, Bratislava (K. Autorov), ISBN 80-969403-0-9. **MK** [Proceedings on CD-ROM.]
  90. Kambezidis H.D., Kaskaoutis D.G., Kassomenos P., Melas D., Papadopoulos A., Yenigun O., Antepioglu U., Im U., Topcu S., Incecik S. and Onay T.T. (2006) An investigation of

- forest fire risk assessment in selected areas in Greece and Turkey. *V International Conference on Forest Fire Research*, Coimbra, Portugal, 27-30 November. **MK**
91. Im U., Antepioglu U., Incecik S., Topcu S., Onay T.T., Yenigun O., Kambezidis H.D., Kaskaoutis D.G., Kassomenos P.P., Melas D. and Papadopoulos A. (2006) An overview of forest fires and meteorology in Turkey and Greece. *Πρακτικά 1<sup>st</sup> International Symposium on Environment Identities and Mediterranean Area (ISEIMA 2006)*, Corte-Ajaccio, France (9-13/7). Ed. IEEE-France Section (G.-A. Capolino, J.-F. Santucci), ISBN 1-4244-0232-8, pp. 62-67, doi: 10.1109/ISEIMA.2006.345048. **MK** [Proceedings on CD-ROM.]
  92. Kambezidis H.D. and Psiloglou B.E.E. (2006) GIS application to mapping air refraction index variations in the atmosphere at various altitudes. *Proceedings 21<sup>o</sup> European Conference for ESRI users on CD*, Athens, Greece (6-8/11). **XK**
  93. Kambezidis H.D. (2007) Aerosols: a key issue between solar radiation and climate change (**invited talk**). *Proceedings 3<sup>rd</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2007)*, New Delhi, India (7-9/2). Ed. Anamaya Publishers (S.K. Dube, T. Muneer, G.N. Tiwari), ISBN 13 978-81-88342-54-9, pp. 35-48. **MK**
  94. Kharol S.K., Badarinath K.V.S., Kaskaoutis D.G. and Kambezidis H.D. (2007) Impact of dust storm over Indian region on ground reaching solar radiation – a case study using multi-satellite data and ground measurements. *Proceedings 3<sup>rd</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2007)*, New Delhi, India (7-9/2). Ed. Anamaya Publishers (S.K. Dube, T. Muneer, G.N. Tiwari), ISBN 13 978-81-88342-54-9, pp. 169-179. **MK**
  95. Kaskaoutis D.G., Kambezidis H.D., Kassomenos P.P. (2007) Investigation on the ozone and trace gases contribution to the total optical depth in a polluted urban atmosphere. *3<sup>rd</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2007)*, New Delhi, India (7-9/2). **MK** [Book of Abstracts.]
  96. Kaskaoutis D.G., Kosmopoulos P.P., Kambezidis H.D. and Nastos P.P. (2007) Investigation of the Saharan dust events over Athens in the period 2000-2005. *Bremen Aerosol Workshop*, Bremen, Germany (21-22/6). **MK** [Book of Abstracts.]
  97. Kharol S.K., Badarinath K.V.S., Prasad V.K., Reddi E.U.B., Kaskaoutis D.G. and Kambezidis H.D. (2007) Effect of anthropogenic activities on UV index variations – a study using ground-based measurements and satellite data. *Indian Aerosol Science & Technology Association-2007 Conference (IASTA-2007)* on “Emerging trends in aerosols: technology & applications”, New Delhi, India (14-16/11). **MK**
  98. Kaskaoutis D.G., Kambezidis H.D., Badarinath K.V.S., Kosmopoulos P.P. and Nastos P.P. (2007) Aerosol climatology over two AERONET sites: an overview. *Proceedings EGU General Assembly*, Vienna, Austria (15-20/4) in vol. *Geophysical Research Abstracts* **9**, 9771, SRef-ID: 1607-7962/gra/EGU2007-A-09771. **MK**
  99. Badarinath K.V.S., Kharol S.K., Kaskaoutis D.G., Kambezidis H.D., and Nastos P.P. (2007) Variation of aerosol properties in a tropical urban environment during intense cyclone period – a case study. *Proceedings EGU General Assembly*, Vienna, Austria (15-20/4) in vol. *Geophysical Research Abstracts* **9**, 9922, SRef-ID: 1607-7962/gra/EGU2007-A-09922. **MK**
  100. Kosmopoulos P.P., Kaskaoutis D.G., Kambezidis H.D., Nastos P.P. and Badarinath K.V.S. (2007) Identification of Saharan dust events over Athens using remote sensing data and back-trajectory analysis. *Proceedings EGU General Assembly*, Vienna, Austria (15-20/4) in vol. *Geophysical Research Abstracts* **9**, 9844, SRef-ID: 1607-7962/gra/EGU2007-A-09844. **MK**
  101. Kosmopoulos P.P.G., Nastos P.P.T., Kaskaoutis D.G., Kambezidis H.D., Kharol S.K. and Badarinath K.V.S. (2008) Seasonal variation of columnar aerosol optical properties over

- Athens, Greece, based on MODIS data. *15<sup>th</sup> National Space Science Symposium (NSSS-2008)*, Udhagamandalam, Ooty, India (26-29/2). **MK**
102. Kosmopoulos P.P.G., Nastos P.P.T., Kaskaoutis D.G., Kambezidis H.D., Kharol S.K. and Badarinath K.V.S. (2008) Discrimination of different aerosol types over Athens, Greece, and investigation of the aerosol transport mechanisms. *15<sup>th</sup> National Space Science Symposium (NSSS-2008)*, Udhagamandalam, Ooty, India (26-29/2). **MK**
  103. Kharol S.K., Badarinath K.V.S., Kaskaoutis D.G. and Kambezidis H.D. (2008) Impact of biomass burning and dust loading on aerosol properties over urban region of Hyderabad. *15<sup>th</sup> National Space Science Symposium (NSSS-2008)*, Udhagamandalam, Ooty, India (26-29/2). **MK**
  104. Psiloglou B.E. and Kambezidis H.D. (2008) Measured vs modeled values of ground-reflected radiation at Athens, Greece. *Proceedings 4<sup>rd</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2008)*, Hong Kong (4-5/12), 171-178. **MK**
  105. Kaskaoutis D.G. and Kambezidis H.D. (2008) Investigation of the aerosol optical properties under certain conditions in Athens, Greece. *Proceedings 4<sup>rd</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2008)*, Hong Kong (4-5/12), 179-186. **MK**
  106. Badarinath K.V.S., Kharol S.K., Kaskaoutis D.G. and Kambezidis H.D. (2008) Aerosol radiative forcing in a tropical urban environment - A study using ground-based measurements and radiative transfer model. *EGU General Assembly*, Vienna, Austria (13-18/4). **MK**
  107. Badarinath K.V.S., Kharol S.K., Sharma A.R., Kambezidis H.D., Kaskaoutis D.G. and Nastos P.T. (2009) Satellite observations for intense dust loading over Indian region during SIDR cyclone. *EGU General Assembly*, Vienna, Austria, 19-24 April. **MK**
  108. Kaskaoutis D.G., Kambezidis H.D., Nastos P.T., Kosmopoulos P.G., Kharol S.K. and Badarinath K.V.S. (2009) Satellite remote sensing of long-range transported dust storm over Eastern Mediterranean and Greece. *EGU General Assembly*, Vienna, Austria, 19-24 April. **MK**
  109. Kaskaoutis D.G., Nastos P.T., Kosmopoulos P.G., Kambezidis H.D., Kharol S.K. and Badarinath K.V.S. (2009) Spatio-temporal distribution of absorbing and non-absorbing aerosols derived from Aura-OMI Aerosol Index over Greece. *EGU General Assembly*, Vienna, Austria, 19-24 April. **MK**
  110. Kaskaoutis D.G., Kalapureddy M.C.R., Devara P.C.S., Kambezidis H.D., Kosmopoulos P.G. and Nastos P.T. (2009) Aerosol optical characteristics over the Arabian Sea during the pre-monsoon season. *EGU General Assembly*, Vienna, Austria, 19-24 April. **MK**
  111. Kalapureddy M.C.R., Kaskaoutis D.G., Raj P.E., Devara P.C.S., Kambezidis H.D., Kosmopoulos P.G. and Nastos P.T. (2009) Aerosol type identification over the Arabian Sea in the pre-monsoon season during the ICARB campaign. *EGU General Assembly*, Vienna, Austria, 19-24 April. **MK**
  112. Kambezidis H.D., Larissi I.K., Nastos P.T. and Paliatsos A.G. (2009) Climatology of rain intensity variability and trends over Greece. *11<sup>th</sup> PLINIUS Conference on Mediterranean Storms (Plinius 2009)*, Barcelona, Spain, 7-11 September. **MK**
  113. Tsaknakis G., Amiridis V., Kambezidis H.D., Papayannis A., Kokkalis P., Mamouri R.E., Kaskaoutis D., Georgousis G. and Avdikos G. (2009) Intercomparison of lidar and ceilometer retrievals for aerosol and Planetary Boundary Layer profiling over Athens, Greece. *8<sup>th</sup> International Symposium on Tropospheric Profiling (ISTP 2009)*, Delft, The Netherlands, 18-23 October. **MK** [No Proceedings.]
  114. Karras I., Kambezidis H.D. and Zevgolis D. (2009) Multimedia application for the conservation of energy in a working environment through the use of a Renewable Energy



- Sources (RES) hybrid system. *14<sup>th</sup> Conference on Multimedia Physics in Training and Learning*, Udine, Italy, 23-25 September. *Proc. SPIE* **7723**, doi:10.1117/12.849663. **MK**
115. Pigiaki A., Kambezidis H.D. and Zevgolis D. (2009) Multimedia application for teaching the basics of lighting in physics classes. *14<sup>th</sup> Conference on Multimedia Physics in Training and Learning*, Udine, Italy, 23-25 September. **MK**
  116. Kambezidis H.D., Kasselouri B. and Konidari P. (2009) Evaluating policy options for increasing the RES-E penetration in Greece. *2<sup>nd</sup> International Scientific Conference "Energy & Climate Change"*, Athens, Greece, 8-9 October. **MK** [Proceedings at [http://www.kepa.uoa.gr/PROMITHEAS\\_Conference\\_MATERIAL.htm](http://www.kepa.uoa.gr/PROMITHEAS_Conference_MATERIAL.htm).]
  117. Lopez G., Fric O. and Kambezidis H.D. (2009) Comparison of illuminance model performances for Athens (Greece). *Πρακτικά 3<sup>rd</sup> International Congress of Energy & Environment Engineering Management*, Portalegre, Portugal, 25-27 November, ISBN-13 978-84-92669-15-8, pp. 76. **MK**
  118. Kambezidis H.D., Kasselouri B. and Zevgolis D. (2010) Past, present and future capability of RES penetration into the inter-connected energy system of the Greek islands. *Proceedings 3<sup>rd</sup> International Scientific Conference "Energy & Climate Change"*, Athens, Greece, 7-8 October, p. 31 - 45. **MK** [Proceedings at <http://www.promitheasnet.kepa.uoa.gr/index.php/activities/conferences/31-scientific-conference-2010-october-7-8-2010>.]
  119. Kambezidis H.D., Demetriou D., Kaskaoutis D.G. and Nastos P.T. (2010) Solar dimming/brightening in the Mediterranean. *EGU General Assembly*, Vienna, Austria, 2-7 May. **MK**
  120. Kaskaoutis D.G., Nastos P.T., Amiridis B., Kosmopoulos P.G. and Kambezidis H.D. (2010) Meteorological patterns associated with intense Saharan dust outbreaks over Greece in winter. *Proceedings 10<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2010)*, Patras, Greece, 25-28 May, ISBN: 978-960-99254-0-2, pp. 1039-1047. **MK** [Proceedings at <http://www.comecap10.upatras.gr/>.]
  121. Psiloglou B.E. and Kambezidis H.D. (2010) The Meteorological Radiation Model: Estimation of the global solar radiation under clear-sky conditions. *Proceedings 10<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2010)*, Patras, Greece, 25-28 May, ISBN: 978-960-99254-0-2, pp. 873-880. **MK** [Proceedings at <http://www.comecap10.upatras.gr/>.]
  122. Garyfallou A., Manolis A., Kosmopoulos P.G., Kaskaoutis D.G., Nastos P.T. and Kambezidis H.D. (2010) Study of fire danger index and its possibility of application in the Greek area. *Proceedings 10<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2010)*, Patras, Greece, 25-28 May, ISBN: 978-960-99254-0-2, pp. 322-328. **MK** [Proceedings at <http://www.comecap10.upatras.gr/>.]
  123. Kaskaoutis D.G., Kambezidis H.D., Nastos P.T., Kharol S.K., Sharma A.R. and Badarinath K.V.S. (2010) Vertical aerosol profiles over Athens during intense dust events in winter. *Proceedings Indian Aerosol Science and Technology Association (IASTA 2010) on Aerosol and clouds: climate change perspectives*, Darjeeling, India, 24-26 March 2010, ISSN: 0971-4570, pp. 75-79. **MK**
  124. Kharol S.K., Sharma A.R., Badarinath K.V.S., Kaskaoutis D.G. and Kambezidis H.D. (2010) Aerosol optical properties and types over the tropical urban region of Hyderabad, India. *38<sup>th</sup> COSPAR General Assembly*, Bremen, Germany, 18-25 July 2010, [A11-0193-10]. **MK**
  125. Kaskaoutis D.G., Kharol S.K., Kambezidis H.D., Nastos P.T., Sharma A.R. and Badarinath K.V.S. (2010) Capability of the CALIPSO lidar observations to detect the dust source regions. *38<sup>th</sup> COSPAR General Assembly*, Bremen, Germany, 18-25 July 2010, [A11-0035-10]. **MK**

126. Kharol S.K., Badarinath K.V.S., Kaskaoutis D.G., Sharma A.R., Ramaswamy V. and Kambezidis H.D. (2010) Long-range transport of dust aerosols over Indian region – A study using satellite data and mesoscale model. [P-Sources.52 ID: 4347, pp. 37]. *12<sup>th</sup> Symposium of the International Commission on Atmospheric Chemistry and Global Pollution (iCACGP) and 11<sup>th</sup> Science Conference of the International Global Atmosphere Chemistry (IGAC) Project*, Halifax, Canada, 11-16 July. **MK**
127. Kambezidis H.D. (**invited speaker**), Kambezidou D.H. and Kambezidou S.-J.H. (2011) Atmospheric aerosol climatology over the globe: emphasis on dust storms. *NATO ARW on Climate change, human health and social security*, Dubrovnik, Croatia, 28-30 April 2011. **MK**
128. Kambezidis H.D., Kampezidou D.H. and Kampezidou S.-J.H. (2011) The solar dimming effect over the Mediterranean region. *Proceedings 5<sup>th</sup> International Conference on Solar Radiation and Daylighting (SOLARIS 2011)*, Brno, Czech Republic, 10-11 August 2011 (Publication: Brno University of Technology; Editors: M. Novotny, J. Mohelnikova) pp. 116-121, ISBN: 978-80-214-4306-8. **MK**
129. Kasselouri B., Kambezidis H.D., Zevgolis D. and Konidari P. (2011) Environmental, economic and social aspects of the electrification on the non-interconnected islands of the Aegean Sea. *MEDGREEN 2011*, Beirut, Lebanon, 14-16 April 2011. **MK** [The work is published in the Proceedings of the conference on a CD-ROM distributed to the participants during the conference.]
130. Karras I., Zevgolis D. and Kambezidis H.D. (2011) A multimedia application for the education of physics-class students on their use of bioclimatic design in buildings. *Joint MPTL'16 and HSCI 2011 conferences*, Ljubljana, 15-17 September. **MK**
131. Kambezidis H.D., Paliatsos A.G., Kappos N. and Kasselouri B. (2012) African dust characteristics over Athens captured with a ceilometer. *11<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2012)*, Athens, Greece, 30 May-2 June 2012. In: *Advances in Meteorology, Climatology and Atmospheric Physics* (Eds Helmis C.G and Nastos P.T.), Springer Atmospheric Sciences, Springer, vol. 2, 1011-1018, ISBN 978-3-642-29171-5. **MK**
132. Karavana-Papadimou K., Psiloglou B.E., Lykoudis S. and Kambezidis H.D. (2012) Model for estimating atmospheric ozone content over Northern Europe for use in solar radiation algorithms. *11<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2012)*, Athens, Greece, 30 May-2 June 2012. In: *Advances in Meteorology, Climatology and Atmospheric Physics* (Eds Helmis C.G and Nastos P.T.), Springer Atmospheric Sciences, Springer, vol. 2, 1025-1031, ISBN 978-3-642-29171-5. **MK**
133. Papanastasiou D.K., Melas D. and Kambezidis H.D. (2012) Air quality during heat waves. *11<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2012)*, Athens, Greece, 30 May-2 June 2012. In: *Advances in Meteorology, Climatology and Atmospheric Physics* (Eds Helmis C.G and Nastos P.T.), Springer Atmospheric Sciences, Springer, vol. 2, 1053-1058, ISBN 978-3-642-29171-5. **MK**
134. Papanastasiou D.K., Melas D. and Kambezidis H.D. (2012) Heat waves characteristics and their relation to air quality. *11<sup>th</sup> International Conference on "Protection and Restoration of the Environment" (PRE11)*, Thessaloniki, Greece, 3-6 July 2012. **MK**
135. Nastos P.T., Kambezidis H.D., and Demetriou D. (2013) Solar dimming/brightening within the Mediterranean. *Proceedings 13<sup>th</sup> International Conference on Environmental Science and Technology (CEST 2013)*, Ed. T.D. Lekkas, Athens, 5-7 September 2013, ISBN 978-960-7475-51-0. **MK**
136. Kavadias K.A., Paliatsos A.G., Kambezidis H.D., Bartzokas A. (2013) Comparison of long-term broadband model results with experimental measurements of solar radiation. *17<sup>th</sup>*

- International Symposium on Environmental Pollution & its impact on life in the Mediterranean region (MESAEP 2013)*, 28 September – 1 October 2013. **MK**
137. Kavadias K.A., Zafirakis D., Moustiris K.P., Paliatsos A.G., Kambezidis H.D., Bartzokas A. (2013) Development of a Greek solar map based on experimental measurements. *17<sup>th</sup> International Symposium on Environmental Pollution & its impact on life in the Mediterranean region (MESAEP 2013)*, Istanbul, 28 September – 1 October 2013. **MK**
  138. Paissidis G., Kambezidis H., Bravos S. and Papanikolaou M. (2013) Contrast-oriented lighting design & darkness-minded concept. *1<sup>st</sup> International Conference on Artificial Light at Night (ALAN 2013)*, Berlin, 28-30 October 2013. **MK**
  139. Nastos P.T., Kambezidis H.D., and Demetriou D. (2013) Solar dimming/brightening within the Mediterranean. *Proceedings 13<sup>th</sup> International Conference on Environmental Science and Technology (CEST 2013)*, Athens, 5-7 September 2013. **MK**
  140. Gerasopoulos E., Liakakou E., Psiloglou V., Stavroulas J., Fourtziou L., Roukounakis N., Lianou M., Kappos N., Zarbas P., Kambezidis H. and Mihalopoulos N. (2014) Smog events over Athens during winter 2013-2014: pollution and chemical characterization. *Proceedings European Geophysical Union Conference (EGU 2014)*, Vienna, Austria, 27 April - 2 May. **MK**
  141. Kasselouri B., Kambezidis H.D. and Zevgolis D. (2014) A platform to support CO<sub>2</sub> emissions mapping on the Aegean Sea islands. *Proceedings International Conference on "Teaching/learning physics" (GIREP-MPTL 2014)*, Palermo, Italy, 7-12 July. **MK**
  142. Kambezidis H.D. and Melas L.D. (2014) Interaction of black smoke and solar radiation. *Proceedings 12<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2014)*, Heraklio, Greece, 28-31 May 2014. **MK**
  143. Kazadzis S., Founda D., Psiloglou B., Kambezidis H.D., Pierros F., Meleti C. and Mihalopoulos N. (2014) Surface total solar radiation variability at Athens, Greece since 1954. *Proceedings 12<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2014)*, Heraklio, Greece, 28-31 May 2014. **MK**
  144. Kaskaoutis D.G., Kambezidis H.D., Psiloglou B.E. (2015) Atmospheric circulation patterns and Sahara-dust transport pathways over Greece. *European Aerosol Conference (EAC 2015)*, Milan, 6-11 September 2015. **MK**
  145. Kambezidis H.D., Psiloglou B.E., Kavadias K.A., Paliatsos A.G., Bartzokas A. (2015) Development of a Greek solar map based on solar model estimations. *7<sup>th</sup> Workshop on Solar influences on magnetosphere, ionosphere and atmosphere*, Sunny Beach, Bulgaria, 1-5 June 2015. **MK**
  146. Kaskaoutis D.G., Kambezidis H.D., Psiloglou B.E. (2015) Modification of solar irradiance due to atmospheric aerosols: a modelling approach. *3<sup>rd</sup> Iberian Meeting on Aerosol Science and Technology (RICTA 2015)*, Elche, Spain, 29 June – 1 July 2015. **MK**
  147. Kambezidis H.D., Psiloglou B.E., Kavadias K.A., Paliatsos A.G., Bartzokas A. (2015) Implementation of meteorological measurements for the development of a solar radiation database. *International Conference on Solar variability and its heliospheric effects*, Athens, Greece, 2-6 November 2015. **MK**
  148. Kaskaoutis D.G., Rashki A., Houssos E.E., Rashki A., Bartzokas A., Francois P., Legrand M., Kambezidis H.D. (2016) The Caspian Sea - Hindu Kush Index (CasHKI): definition, meteorological influences and dust activities over SW Asia. *1<sup>st</sup> International Conference on Dust*, Ahvaz, Iran, 2 – 4 March 2016. **MK**
  149. Kaskaoutis D.G., Houssos E.E., Rashki A., Bartzokas A., Legrand M., Francois P., Kambezidis H.D. (2015) Modulation of atmospheric dynamics and dust emissions in SW Asia by the Caspian Sea-Hindu Kush Index. *13<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2016)*, Thessaloniki, Greece, 19 - 21 September 2016. **MK**

150. Gerasopoulos E., Gratsea M., Liakakou E., Lianou M., Psiloglou B., Kappos N., Kambezidis H., Mihalopoulos N. (2016) An overview of biomass burning impacts on Athens air quality and analysis of its increasing significance. *13<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2016)*, Thessaloniki, Greece, 19 - 21 September 2016. **MK**
151. Kavadias K.A., Liaros S., Kambezidis H.D., Paliatsos A.G. (2016) TMY performance in calculating the building's thermal energy consumption. *5<sup>th</sup> International Conference on "Energy in Buildings" (EinB 2016)*, Athens, 12 November 2016. **MK**
152. Kavadias K., Karamanou A., Kambezidis H.D., Moustris K. (2018) Leverage of typical meteorological year time series for the best optimisation of photovoltaic systems. *11<sup>th</sup> National Conference for Mild Types of Energy*, Thessaloniki, Greece, 14 – 16 March 2018. **MK**

## B.6. Articles submitted to scientific conferences – symposia

1. Kambezidis H.D., Psiloglou B.E., Kappos N. (2018) Month-hour climatology for solar radiation and illuminance in Athens for 1992-2016. *14<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2018)*, Alexandroupolis, Greece, 15 – 17 October 2018. **MK**
2. Psiloglou B.E., Kambezidis H.D., Kaskaoutis D.G., Karagiannis D. (2018) The Meteorological Radiation Model: estimating global solar radiation under clear-sky conditions in Greece. *14<sup>th</sup> International Conference on "Meteorology-Climatology-Atmospheric Physics" (COMECAP 2018)*, Alexandroupolis, Greece, 15 – 17 October 2018. **MK**

## B.7. Monographs – books - editions

### Monographs:

1. Kambezidis H.D. and Papanikolaou N.S. (1990) measurements and calculation method of the solar radiation flux on inclined surfaces with arbitrary orientation. Workshop issue in memory of prof. L. Karapiperis. Eds. D. Asimakopoulos, G. Theoharatos, p. 125-132.
2. **Co-author** in article: Sakellariou N., Papadopoulos A., Kambezidis H., Psiloglou B. and Assimakopoulos D. (1993) Analyse des correlations des pluies mensuelles au niveau des stations de la mer Egee. Publ. de l' *Association Internationale de Climatologie* **6**, "La secheresse en Mediterranee et dans les pays environnants. Ed. P. Maheras.
3. **Author** of article: Kambezidis H.D. An IBL experiment over Athens area associated with air pollution transport and diffusion. *NATO ARW on "Recent research advances in the fluid mechanics of turbulent jets and plumes"*. Eds. P.A. Davies and M.J. Valente Neves, published by Kluwer Academic Series E: Applied Sciences vol. 255, Dordrecht, p. 335-342 (1994).
4. **Author** of article: Kambezidis H.D. (1994) An IBL experiment over Athens urban area. *NATO ASI on "Wind climate in cities"*, ed. by E. Plate, Kluwer Academic Press Series E: Applied Sciences vol. 277, Dordrecht, p. 751.
5. **Co-author** of article: H.D. Kambezidis and D. Melas (2003) Regional transport of air pollutants in Greece, as seen from the Aliartos station. NATO publication on "Air pollution processes in regional scale". Ed. by D. Melas and D. Syrakov, *NATO Science Series IV: Earth and Environmental Sciences* **30**, 161-168.

### Books – book chapters:

1. **Author** of chapter 5 “Solar spectral radiation” in: “Solar radiation and daylight models for the energy efficient design of buildings”, Ed. T. Muneer, published by Architectural Press (member of Elsevier team), ISBN 0-7506-2495-7 (1997).
2. **Author** (in the period 1998-1999) of chapter 4 – “Transboundary air pollution transport”, which has been included in vol. D of the edition entitled “Waste disposal and their influence on environment” containing all relevant trivium of thematic unit “Natural environment and pollution” of the *School of Applied Sciences & Technology* MSc programme of HOU. Ed. HOU, 2004, p. 421-442, ISBN 960-538-535-X.
3. **Author** (in the period 1998-1999) of chapter 2 – “Air quality – Air pollution indices” and chapter 3 “Remote sensing detection of air pollutants”, which have been included in vol. B of the edition entitled “Atmospheric pollutants and their emission control technology II” containing all relevant trivium of thematic unit “Air pollutant management” of the *School of Applied Sciences & Technology* MSc programme of HOU. Ed. HOU, 2004, p. 87-108, ISBN 960-538-537-6.
4. **Co-author** (Gueymard C.A. and **Kambezidis H.D.**) of chapter 5 “Solar spectral radiation” in: “Solar radiation and daylight models”, Ed. T. Muneer, published by Elsevier, ISBN 0-7506-5974-2 (2004).
5. **Co-author** (**Kambezidis H.D.** and Psiloglou B.E.) of chapter 14 “The Meteorological Radiation Model: advancements and applications” in: “Modeling solar radiation on the earth’s surface”, Ed. V. Badescu, published by Springer-Verlag, ISBN 978-3-540-77454-9 (2008).
6. **Author** of chapter “Organisations, conventions, protocols and research programmes” in: “Regional/transboundary transport of air pollution: an introductory science review”, Eds. D. Melas and U.F. Paleo (2008), University of Extremadura, Spain, ISBN 978-84-7723-784-6.
7. **Co-author** (Kaskaoutis D.G. and **Kambezidis H.D.**, Badarinath K.V.S. and Kharol S.K.) of book “Dust storm identification via satellite remote sensing” published by Nova Science Publishers in the series Natural Disaster, Prediction and Mitigation, ISBN: 978-1-60876-906-3 (2011).
8. **Author** of notes on “Radiometric and photometric quantities and units – Principles of radiometry and photometry” that were part of the postgraduate studies programme on “Lighting Design – Multimedia” of HOU for the academic year 2010-2011. The notes were disposed to the students free of charge in the Greek language.
9. **Author** of chapter 3.02 “The solar resource” of book “Comprehensive Renewable Energy” (Ed. Sayigh A.), vol. 3 (Solar thermal systems, components and applications – Introduction), pp. 27-84 published by Elsevier, Oxford, ISBN: 978-0-08087-872-0 (2012).  
[The book was awarded the *PROSE award 2012, Reference work: Best multivolume reference/science, by the American Association of Publishers.*]
10. **Co-author** (**Kambezidis H.D.**, Kambezidou D.H. and Kampezidou S.-J.H.) of the chapter “Atmospheric aerosol climatology over the globe: emphasis on dust storms” in: “National security and human health implications of climate change”, Eds. H.J.S. Fernando, Z. Klaic and J.L. McCulley, NATO Science for Peace and Security, Series C: Environmental Security, published by Springer ISBN 978-94-007-2429-7, pp 85-94 (2012).
11. **Author** of the book “General principles of lighting, colour and light” for the postgraduate studies programme on “Lighting Design – Multimedia” of HOU. The book is written in Greek and in February 2014 received certification from the relevant department of the University for circulation to its students.
12. **Co-author** (Kaskaoutis D.G., Houssos E.E., Rashki A., Bartzokas A., Legrand M., Francois P. and **Kambezidis H.D.**) of the chapter “Modulation of atmospheric dynamics and dust emissions in SW Asia by the Caspian Sea-Hindu Kush Index” in the book “Perspectives on atmospheric sciences” (Eds. T.S. Karacostas, A. Bais and P.G. Nastos),

published by Springer, ISBN 978-3-319-35094-3, pp 941 - 947 (2017), doi: 10.1007/978-3-319-35095-0. **MK** [The book is a product of the conference B.5.148.]

13. **Co-author** (Gerasopoulos E., Gratsea M., Liakakou E., Lianou M., Psiloglou B., Kappos N., **Kambezidis H.** and Mihalopoulos N.) of the chapter “An overview of biomass burning impacts on Athens air quality and analysis of its increasing significance” in the book “Perspectives on atmospheric sciences” (Eds. T.S. Karacostas, A. Bais and P.G. Nastos), published by Springer, ISBN 978-3-319-35094-3, pp 1111 - 1116 (2017), doi: 10.1007/978-3-319-35095-0. **MK** [The book is a product of the conference B.5.149.]

#### Editions – special editions:

1. **Editor** of book nr. 214 of the NATO Scientific Publications series “Air pollution transport and diffusion over coastal urban areas”, May 1997. [Related to C.2.2.]
2. **Guest Editor** of special issue **39 (4)** of the *Journal of Applied Meteorology* (JAM) published in 2000 with title: *Air pollution transport and diffusion over coastal urban areas*. [Related to C.2.2.]
3. **Guest co-editor** of special issue **36 (1, 2, 3)** of the *International Journal of Environment & Pollution* (IJEP) journal (edition of Interscience Enterprises Ltd) published in 2009 with the title: *Air pollution*.
4. **Lead Guest Editor** for the special issue on *Atmospheric aerosols and climate change* of the electronic scientific journal *Advances in Meteorology* in 2010. The special issue is fireworded by the guest editorial board: Kambezidis H.D., Cachorro E.V., Kinne S., Krishnamoorthy K., de Leeuw G. and Vitale V. (2010) Atmospheric aerosols and climate. *Advances in Meteorology*, 2 pages, doi:10.1155/2010/708782.
5. **Guest Editor** for the special issue on *Verification of hazardous weather events in meteorological models* of the electronic scientific journal *Advances in Meteorology* in 2016. The special issue will be fireworded by the guest editorial board: Hole L.R., Fuverik B.R., Kambezidis H.D. and Meloni S.
6. **Editors:** T. Dudok de Wit, I. Ermolli, M. Haberreiter, **H. Kambezidis**, M. M. Lam, J. Liliensten, K. Matthes, I. Mironova, H. Schmidt, A. Seppala, E. Tanskanen, K. Tourpali, Y. Yair of the book *Earth’s climate response to a changing Sun*. EDP Science, 2015, ISBN: 978-2-7598-1733-7, doi:10.1051/978-2-7598-1733-7. [The book is a product of the project C.1.120.]
7. Kaskaoutis D.G., Houssos E.E., Rashki A., Bartzokas A., Legrand M., Francois P., Kambezidis H.D. (2015) Modulation of atmospheric dynamics and dust emissions in SW Asia by the Caspian Sea-Hindu Kush Index. *13<sup>th</sup> International Conference on “Meteorology-Climatology-Atmospheric Physics” (COMECAP 2016)*, (Editors: T.S. Karacostas, A. Bais, P.G. Nastos), Thessaloniki, Greece, 19 - 21 September 2016. **MK**
8. Gerasopoulos E., Gratsea M., Liakakou E., Lianou M., Psiloglou B., Kappos N., Kambezidis H., Mihalopoulos N. (2016) An overview of biomass burning impacts on Athens air quality and analysis of its increasing significance. *13<sup>th</sup> International Conference on “Meteorology-Climatology-Atmospheric Physics” (COMECAP 2016)*, (Editors: T.S. Karacostas, A. Bais και P.G. Nastos) Thessaloniki, Greece, 19 - 21 September 2016. **MK**
9. Kavadias K.A., Bartzokas A., Kambezidis H.D. (2017) Generation of Typical Meteorological Years for selected locations in Greece. Scientific Volume in memory of Athanasios G. Paliatsos (editors: K. Moustris, P. Nastos, J. Kaldellis), published by ATEI Piraeus TT, December 2017, 126-135.

#### B.8. Technical reports (in relation to projects in Unit C)

1. FTR of project C.1.1.1 *Analysis of a long-term series of climatic data from Athens, Greece*.

2. FTR of project C.1.1.2 *Study of the flow field in the Athens basin.*
3. FTR of project C.1.1.3 *Study of air pollution long-range transport.*
4. FTR of project C.1.1.5 NIBWAK'84.
5. FTR of project C.1.2.1 *Experimental study of flow field behind wind turbines in complex terrain.*
6. FTR of project C.1.1.6 *Dynamic characteristics of daylight data and of daylighting design in buildings.*
7. FTR of project *Study of sea breeze in Mesogia plain* in 1991-1992.
8. FTR of project C.1.1.7 CLEOPATRA.
9. FTRs of NOA projects C.2.2.1: a. *Measurements and method development for the calculation of solar radiation flow on planes with arbitrary orientation,* and b. *Effect of IBL on transport and diffusion of pollutants in Athens.*
10. FTR of seminar C.2.2.3 *Natural and artificial lighting – Modern applications.*
11. FTR of project C.1.2.2 *Development of a passive pyrliometric scanner for qualitative and quantitative determination of atmospheric constituents and aerosols*
12. Kambezidis H.D. and Papagiannis D. (1995) *Low-pass filter unit-MXΦ MkI.* Technical Library of IERSD/NOA, nr. 102/95.
13. FTR of project C.2.2.4 *Air quality management with the advanced LIDAR technology.*
14. FTR of project C.1.2.3 *Establishment of a mobile station for remote-sensing air pollutants with the advanced LIDAR technology.*
15. FTR of project C.2.2.5 *Exploitation of solar light for illuminating interior spaces.*
16. FTR of project C.2.1.1 *Air pollution transport and diffusion over coastal urban areas.*
17. FTR of project C.1.1.9 CLiMed.
18. FTR of project C.2.2.7 *Investigation of remote-sensing contribution to the detection of sort and quality of vegetation and crop assessment.*
19. FTR of project C.2.2.6 *Comparison of the energy efficiency between static and rotating solar collectors in Greece and Cyprus.*
20. FTR of project C.1.2.8 KOSMOS.
21. FTR of project C.1.2.9 ASTRO.
22. FTR of project C.1.2.7 *Using information from acoustic sounders in urban air quality management.*
23. FTR of project C.1.1.10 *Surface boundary-layer refractive index measurements in Greece, Turkey and UK relevant to microwave frequencies in aerospace operations.*
24. Contribution to the edition TTE TR-114238 *Comprehensive overview of scientific findings from major ozone field studies in N. America and Europe,* published by EPRI (USA), ed. A. Hansen (December 1999) with results from ATHIBLEX (C.2.2.1).
25. FTR of project C.2.2.9 STEPA.
26. FTR of project C.1.2.11 THEMA.
27. FTR of project C.2.2.8 RedConEnSa.
28. FTR of project C.2.2.10 DRY.
29. FTR of project C.2.2.11 ACAQIA.
30. FTR of project C.1.1.13 *Regional / transboundary transport of air pollution.*
31. Psiloglou B.E., Lykoudis S. Kambezidis H.D., Papagiannis D. and Mitsopoulos B. (2005) *User manual for Meteorological and Actinometric Station of IERSD/NOA at Thission.* Technical Library of IERSD/NOA, nr. 1/05.
32. FTR of project C.2.2.12 FORFI.
33. FTR of project C.1.1.14 RISCMASS.
34. FTR of project C.2.2.13.
35. FTR of project C.2.2.14.
36. FTR of project C.1.2.18 COPAL.

37. FTR of project PROMITHEAS-4 (C.1.1.17).
38. Contribution to the Technical Report CIE 215:2014 with the title *CIE Standard General Sky Guide*, ISBN: 978-3-902842-54-1.
39. Contribution to the Review Report by two external reviewers (I. Ziomas, H. Kambezidis) for the educational programme PEGA 2014 (C.1.2.20).





# SECTION C

## RESEARCH WORK

(EE = research project, MEE = non-research project)

### C.1. Participation in projects

#### C.1.1. Projects with international funding

1. *Analysis of long-term series of climatic data from Athens, Greece.* [Project funded by: EC. Period: 1984-1986. Contract no: CLI-118-GR. Budget: €30,000.] EE
2. *Study of flow field in the Athens basin.* [Project funded by: EC. Period: 1983-1985. Contract no: B6612/9. Budget: €130,000.] EE
3. *Study of the long-range transport of air pollution.* [Project funded by: GSRT & German state. Period: 1984-1986. Budget: €5,000.] EE
4. *International geodetic year.* [Project led by: NTUA. Period: 1989. Responsibility for: Vaisälä radiosoundings. Budget: €70,000.] EE
5. *NIBWAK'84 (Näsudden Internal Boundary and Wake).* [Campaign performed in Näsudden peninsula of Gotland island, Sweden. Budget: €65,000.] EE
6. *Dynamic characteristics of daylight data and of daylighting design in buildings (DAYLIGHT I).* [Project funded by: EC. Period: 1991-1993. Contract no: JOUE-0064. Budget: €630,000.] EE
7. *CLEOPATRA campaign.* [Project funded by: German state. Period: 1992. Budget: €4,500 related to grant H.2.1.] EE
8. *MEDCAPHOT-TRACE.* [Project funded by: EC. Period: 1993-1995. Contract no: PL93-1561. Budget: €1,200,000.] EE
9. *Climatic synthetic time series for the Mediterranean belt (CliMed).* [Project funded by: EC. Period: 1995-1996. Contract no: JOUE3-CT96-0042. Budget: €222,000.] EE
10. *Surface boundary layer refractive index measurements in Greece, Turkey and UK relevant to optical and microwave frequencies in aerospace operations διετούς διάρκειας (1997-1999).* [Project funded by: NATO/AGARD. Period: 1997-1999. Budget: €50,000.] EE
11. *European network for the assessment of air quality by the use of bio-indicator plants (EuroBionet).* [Project funded by: EC. Period: 2000-2002. Contract no: EE EC/LIFE99/ENV/D/000453. Budget: €1,200,000.] EE
12. *Integrated Computational Assessment via Remote Observation System (ICAROS-NET).* [Project funded by: EC. Period: 2001-2004. Contract no: IST-2000-29264. Budget: €1,300,000.] EE
13. *Regional / transboundary transport of air pollution.* [Project funded by: NATO/CCMS. Period: 1999-2004. Budget: €1,314 related to grant H.2.7.] EE
14. *Methodologies for the management of landslide risks and soil movements with security policy scenarios (RISCMASS).* [Project funded by: INTERREG IIIB. Period: 2004-2006. Contract no: 2003-03-4.3-I-014. Budget: €1,994,836.30.] EE
15. *Integrated Campaign for Aerosols, gases and Radiation Budget (ICARB).* [Project funded by: Indian state. Period: 2006. Contract under: Geosphere Biosphere Programme (ISRO-GBP). Budget: \$500,000.] EE
16. *Integrated Campaign for Aerosols, gases and Radiation Budget–Winter (ICARB-W).* [Project funded by: Indian state. Period: 2008-2009. Contract under: Geosphere Biosphere Programme (ISRO-GBP). Budget: \$500,000.] EE
17. *Knowledge transfer and research needs for preparing mitigation / adaptation policy portfolios (PROMITHEAS-4).* [Project funded by: EC. Period: 2011-2013. Contract no: 265182. Budget: €961,467.] EE
18. *Action COST ES1005 Towards a more complete assessment of the impact of solar variability on the Earth's climate (TOSCA).* [Project contract: COST 4187/10; Coordinator:

- Laboratory of Physics and Chemistry of the Environment and Space, France. Total Action budget: €91,600. Duration of Action: 2011 – 2015.] **EE**
19. NOA's participation as end user in the research project *Characterisation of metadata to allow high-quality applications and services (CHARMe)* funded by FP7-SPACE-2012-1 in the period 2013-2015. **EE**
  20. Action COST ES1303 *Towards operational ground-based profiling with ceilometers, doppler radars and microwave radiometers for improving weather forecast (TOPROF)*. [Project contract: COST 012/13; Coordinator: University of Reading, UK. Total Action budget: €110,000. Duration of Action: October 2013 – October 2017.] **EE**

### **C.1.2. Projects with national funding**

1. *Experimental study of the flow field behind wind turbines in complex terrain*. [Project funded by: GSRT/PENED programme. Period: 1991-1993. Contract no: 89ED118. Budget: \$35,000.] **EE**
2. *Developemnt of a passive pyrhelimetric scanner for the quantitative and qualitative detection of atmospheric constituents and aerosols (PAPYSA)*. [Project funded by: GSRT/EPET. Period: 1994. Budget: €23,480.] **EE**
3. *Establishment of mobile station for remote sensing air pollutants with the advanced lidar technology*. [Project funded by: MEPPPW/EPPER programme. Period: 1996. Budget: €88,000.] **EE**
4. *Actinometric Laboratory of IERSD*. [Project funded by: GSRT/Research Web programme. Period: 1996-1998. Budget: €102,715.] **MEE**
5. *NOA Library*. [Project funded by: GSRT/Research Web programme. Period: 1996-1998. Budget: €102,715.] **MEE**
6. *Modern evolutions in the science of earth, atmosphere and space (GAIA)*. [Project funded by: Ministry of Education/EPEAEK programme. Period: 1997. Budget: €29,347.] **MEE**
7. *Using information from acoustic sounders in urban air quality management*. [Project funded by: GSRT/Bilateral S&T programme. Period: 1997-1998. Budget: €44,000.] **EE**
8. *Contribution of space technology in sciences of earth, atmosphere and space (KOSMOS)*. [Project funded by: Ministry of Education/EPEAEK programme. Period: 1998. Budget: €29,347.] **MEE**
9. *Contemporary advancements in astrophysics and the sciences of earth, atmosphere and space (ASTRO)*. [Project funded by: Ministry of Education/EPEAEK programme. Period: 1998. Budget: €29,347.] **MEE**
10. *Establishment and experimental operation of system for the transfer of conventional and satellite meteorological data from HNMS to MEPPPW (PLATO)*. [Project funded by: MEPPPW/EPPER programme. Period: 1999-2000. Budget: €64,563.] **MEE**
11. *Thermal and thematic mapping: Relation between population, green areas and land use in Athens and Thessaloniki (THEMA)*. [Project funded by: GSRT/Bilateral S&T programme. Period: 1999-2001. Contract no: GSRT 17027/24.11.1999. Budget: €17,608.] **EE**
12. *Establishment and of an operational centre for monitoring atmospheric pollution and imposition of extra measures in the greater Athens area*. [Project funded by: MEPPPW/EPPER programme. Period: 2000-2001. Budget: €440,205.] **MEE**
13. *GAIA*. [Project funded by: Ministry of Education/EPEAEK programme. Period: 2000-2001. Budget: €55,800.] **MEE**
14. *RETROPOLIS*. [Project funded by: Alexandros Onassis Foundation. Period: 2002. Budget: €10,000.] **EE**
15. *Advanced techniques for environmental measurements and forecasts (PROTEPE)*. [Project funded by: GSRT/EPAN programme. Period: 2003-2005. Contract no: GSRT 5565/2.5.2003. Budget: €170,077.47.] **MEE**
16. *Development of emissions inventory for Istanbul and control of air quality via models and observations*. [Project funded by: GSRT/Bilateral S&T programme. Period: 2010-2011. Budget: €15,000.] **EE**
17. *Hellenic solar energy network (EDIE)*. [Project funded by: GSRT/EPAN II. Period: ... Contract no: ... Budget: €670,000.] **EE**
18. *Establishment of a national network for the European research infrastructure COPAL (FSRI-COPAL)*. [Project funded by: GSRT. Contract no. 26120/21.5.2010. Period: 2010. Budget: €130,000.] **EE**

19. *Reclaim of meteorological data for solar energy systems.* [Project funded by: Operational Programme of Training and Life-long Learning “ARCHIMED III”. Period: 1/10/2012 – 30/9/2015. Budget: €80,000.] **EE**
20. *Validation of Graduate Knowledge in New Scientific Aspects and Technologies of the Environment.* [Project funded by: “Education and Life-long Learning” Programme. Duration: 27 September – 20 December 2014. Coordinator: Prof. D. Melas, AUTH.] **EE**
21. *Establishment of synergistic and integrated methodologies and tools for monitoring, administrating and forecasting environmental parameters and pressures.* [Project funded by: “Development proposals of Research Institutions – KRIPIS-I” Programme. Duration: 1 October 2013 – 31 December 2015.] **EE**
22. *Establishment of synergistic and integrated methodologies and tools for monitoring, administrating and forecasting environmental parameters and pressures.* [Project funded by: “Development proposals of Research Institutions – KRIPIS-II” Programme. Duration: 1 October 2016 – 30 September 2019.] **EE**

## **C.2. Coordination of projects**

### **C.2.1. Projects with international funding**

1. *Air pollution transport and diffusion over coastal urban areas.* [Project funded by: NATO/CCMS. Period: 1992-1996. Budget: €50,000.] **EE**

### **C.2.2. Projects with national funding**

1. a. *Measurements and methodology development for the calculation of solar radiation fluxes on planes of arbitrary orientation,* and b. *Influence of internal boundary layer on transport and diffusion of pollutants in Athens (ATHIBLEX).* [Project funded by: NOA. Budget: €1,000.] **EE**
2. *Determination of visibility distance as function of photometric parameters.* [Project funded by: Philips Lighting AEBE Period: 1992-1993. Contract no: 823/10.11.1992. Budget: €1,000.] **EE**
3. *Natural and artificial lighting-Modern applications.* [Project funded by: EC. Period: 1993. Budget: €35,216.] **MEE**
4. *Management of air quality with the aid of laser advanced technology.* [Project funded by: GSRT/Bilateral S&T programme. Period: 1994-1996. Contract no: GSRT 2277/14.2.1994. Budget: €26,120.] **EE**
5. *Exploitation of solar light in interior space lighting.* [Project funded by: GSRT/Bilateral S&T programme. Period: 1995-1996. Budget: €8,000.] **EE**
6. *Comparison of energy efficiency between static and moving solar collectors for solar thermosyphons in Greece and Cyprus.* [Project funded by: GSRT/Bilateral S&T programme. Period: 1996-1998. Budget: €15,000.] **EE**
7. *Investigation of the contribution of remote sensing to the detection of sort and quality of vegetation and crop assessment.* [Project funded by: GSRT/EPET programme. Period: 1996-1998. Budget: €29,347.] **MEE**
8. *Conditions of lighting reference for the design of energy savings in buildings (RedCoEnSa).* [Project funded by: GSRT/Bilateral S&T programme. Period: 1999-2001. Contract no: GSRT 15124/21.12.1998. Budget: €6,200.] **EE**
9. *Contemporary techniques for measuring, controlling, monitoring, managing and safeguarding air quality (STEPA).* [Project funded by: GSRT/EPET programme. Period: 2000-2001. Budget: €44,020.] **MEE**
10. *Generation of a typical daylight reference year for Greece and Slovakia (DRY).* [Project funded by: GSRT/Bilateral S&T programme. Period: 2002-2004. Contract no: GSRT 19119/19.12.2001. Budget: €12,325.74.] **EE**
11. *Assessment and comparison of air quality between Athens and Belgrade (ACAQIA).* [Project funded by: GSRT/Bilateral S&T programme. Period: 2002-2005. Contract no: GSRT 18663/4.12.2001. Budget: €16,023.48.] **EE**

12. *Development of a tool for the forecast and confrontation of forest fires and drought in Greece and Turkey (FORFI)*. [Project funded by: GSRT/Bilateral S&T programme. Period: 2002-2005. Contract no: GSRT 13203/4.12.2002. Budget: €14,591.] **EE**
13. *Investigation of the capability for substituting municipal lighting by new, using PVs*. [Project funded by: KDEP/Public Power Corp. Period: 2006. Contract no: 8610392/2006. Budget: €35,105.] **MEE**
14. *Measurements of solar radiation at Megalopolis*. [Project funded by: Arkadikos Helios Dyo SA. Period: 2008-2009. Contract no: 11.11.2008. Budget: €11,900.] **MEE**

### C.3. Submission of proposals

1. *Application of an operational system for the monitoring of accidental releases of harmful substances in the atmosphere (OSMAR)*. [Submission date: Jan 2008. Funding source: INTERREG IVC. Duration: 36 months. Budget: €940,000.] **MEE**
2. *UV radiation at European level and its impact on human health: a European UV Radiation Atlas (EUVRA)*. [Submission date: Feb 2008. Funding source: FP7-ENV-2008-1. Duration: 36 months. Budget: €2,398,054.] **EE**
3. *A Cooperative Model for Earth Observation Operating Capacity Development in the Black Sea Basin (SharEarth)*. [Submission date: Feb 2008. Funding source: FP7-ENV-2008-1. Duration: 36 months. Budget: €6,392,744.] **EE**
4. *European Sun-Photometric NETwork (ESPNET)*. [Submission date: Feb 2008. Funding source: FP7-INFRA-2008-1. Duration: 48 months. Budget: €1,300,000.] **EE**
5. *Study of African dust transport and its impact on urban pollution and inhabitant health*. [Submission date: Nov 2008. Funding source: I. Latsis Foundation. Duration: 12 months. Budget: €12,000.] **MEE**
6. *Study of risk indices for forest fire breaking out in Greece and particularly in Helia*. [Submission date: Nov 2008. Funding source: I. Latsis Foundation. Duration: 12 months. Budget: €12,000.] **MEE**
7. *Trans-European Health Effects Assessment of Transport-Related Emissions (THEATRE)*. [Submission date: Jan 2009. Funding source: FP7-ENV-2009-1. Duration: 48 months. Budget: €9,165,437.] **EE**
8. *Future fire regimes in the framework of climate trends and extremes within changing socio-economic scenarios (FIRETRENDS)*. [Submission date: Jan 2009. Funding source: FP7-ENV-2009-1. Duration: 38 months. Budget: €5,993,920.] **EE**
9. *Establishment of a national network for the European research infrastructure COPAL (FSRI-COPAL)*. [Submission date: Mar 2009. Funding source: FP7-INFRA-2009. Duration: 8 months. Budget: €130,000.] **EE**
10. *Investigation and management of variations in coastal regions using GIS*. *ογράμματος* [Submission date: Apr 2009. Funding source: Ministry of Education/HERAKLITOS programme. Duration: 36 months. Budget: €45,000.] **EE**
11. *Pre-collapse criteria and protocols for emergency management of critically unstable terrains at regional scale (ALERT)*. [Submission date: Apr 2009. Funding source: INTERREG-MED-2009. Duration: 24 months. Budget: €1,000,000.] **EE**
12. *Analysis and management of natural hazards: earthquakes, landslides, climate, volcanism, environment (GEORisks)*. [Submission date: Apr 2009. Funding source: FP7-Erasmus Mundus.] **EE**
13. *Monitoring of air quality and atmospheric chemistry, using models, ground-based measurements and satellite observations (MAQ)*. [Submission date: Aug 2009. Funding source: FP7-PEOPLE-IEF-2009. Duration: 24 months.] **EE**
14. *Forest Fire: Risk Forecasting, Environmental Monitoring and Early Warning (FREE)*. [Submission date: Nov 2009. Funding source: INTERREG Greece-Italy 2009. Duration: 24 months. Budget: €1,562,000.] **EE**
15. *The correct lighting as lever of social growth (FOTOMOHLOS)*. [Submission date: Nov 2009. Funding source: GSRT, SYNERGASIA programme. Duration: 24 months. Budget: €1,000,000.] **EE**

16. *Hellenic network of solar energy (EDIE)*. [Submission date: Nov 2009. Funding source: GSRT/SYNERGASIA programme. Duration: 24 months. Budget: €670,000.] **EE**
17. *Analysis and management of natural hazards: earthquakes, landslides, climate, volcanism, environment (GEORisks)*. [Submission date: Apr 2010. Funding source: FP7-Erasmus Mundus.] **EE**
18. *Generation of Typical meteorological Years in Hellenic space (TMY-Greece)*. [Submission date: Jun 2010. Funding source: I. Latsis Foundation. Duration: 12 months. Budget: €11,385.] **EE**
19. *Air quality in Athens and Belgrade including dust storm events (AQABSDE)*. [Submission date: Nov 2010. Funding source: GSRT/Bilateral S&T programme Greece-Serbia. Duration: 24 months. Budget: €13,750.] **EE**
20. *Research of the dynamic daily daylight changes (READYDAY)*. [Submission date: May 2011. Funding source: GSRT/Bilateral S&T programme Greece-Slovakia. Duration: 24 months. Budget: €14,450.] **EE**
21. *Impact of atmospheric pollution on archaeological sites in Attica*. [Submission date: 28 June 2011. Funding source: John S. Iatsis Public Benefit Foundation, Research Projects 2012. Duration: 12 months. Budget: €11385.] **EE**
22. *Improved forecast of storms, using model and satellite observations (IFMS)*. [Submission date: 11 August 2011. Funding source: FP7-PEOPLE-2011-IEF “Marie Curie actions”. Duration: 36 months. Budget: €50,000.] **EE**
23. *Influence of environmental factors on the corrosion of materials in Greece (CoMa)*. [Submission date: 1 September 2011. Funding source: GSRT/ARISTEIA programme. Duration: 36 months. Budget: €448450.] **EE**
24. *Early warning system of dust storms (EDS)*. [Submission date: 5 September 2011. Funding source: FP7-PEOPLE-2011-CIG “Marie Curie actions”. Duration: 36 months. Budget: €50,000.] **EE**
25. *Strengthening the Institute of Applied Physics as a Moldovan National Centre of Excellence in PV Solar Energy Conversion (IAPSEC)*. [Submission date: 3 January 2012. Funding source: FP7-REGPOT-2012-2013-1. Duration: 36 months. Budget: €1,500,000.] **EE**
26. *Atmospheric parameters impact on materials of archaeological significance in Attica (AtImpArch)*. [Submission date: June 2012. Funding source: John S. Iatsis Public Benefit Foundation, Research Projects 2013. Duration: 12 months. Budget: €11,902.50.] **EE**
27. *Atmospheric ozone corrosion on archaeological materials (AOZCAM)*. [Submission date: June 2012. Funding source: GSRT, ARISTEIA II. Duration: 30 months. Budget: €.....] **EE**
28. *Prediction of ground DNI using on-site measurements and satellite images (PROGNOSIS)*. [Submission date: November 2012. Funding source: FP7-ENERGY-2013-1. Duration: 24 months.] **EE**
29. *Prediction of ground DNI using on-site measurements and satellite images (PROGNOSIS)*. [Submission date: January 2013. Funding source: FP7-PEOPLE-2013-IAPP. Duration: 24 months.] **EE**
30. *Assessment of future fire risk in Greece and Turkey due to climate change (AssFFRi)*. [Submission date: April 2013. Funding source: GSRT “Joint S&T Greece-Turkey 2012-2014 Programme. Duration: 24 months. Budget: €23,500.] **EE**
31. *Sufficiency Oriented Urban Lighting (SOUL)* with NOA as Co-ordinator of a consortium of 8 entities, 5 European and 3 international. [Submission date: May 2013. Funding source: CIP-IEE-2013. Duration: 36 months. Budget: €1,474,876.] **EE**
32. *Protection, management and monitoring of the Schinias-Marathon national park (ProMM-Schinias)* with NOA as Co-ordinator. [Submission date: June 2013. Funding source: LIFE+ Nature. Duration: 60 months. Budget: €1,161,888.] **EE**
33. *Unified platform for weather event anticipation and response management (UPWARM)*. [Submission date: 27 August 2015. Funding source: H2020 call DRS-1-2015: Crisis management topic 1: potential of current and new measures and technologies to respond to extreme weather and climate events. Duration: 36 months. Budget: €2,000,000.] **EE**
34. *Corrosion of materials of monumental interest due to tropospheric ozone (DYOZON)*. [Submission date: 15 June 2017. Funding source: EPAnAEK 2014-2020 call: I RESEARCH – I CREATE – I INNOVATE. Duration: 36 months. Budget: €900,118.80.] **EE**
35. *Web-based platform development for the short-term estimation of solar and wind energy (PROILAIO)*. [Submission date: 15 June 2017. Funding source: EPAnAEK 2014-2020 call: I RESEARCH – I CREATE – I INNOVATE. Duration: 36 months. Budget: €839,496.] **EE**

36. *Aerosol-climate implications over Greece (ACI-GR)*. [Submission date: 15 January 2018. Funding source: ELIDEK 1<sup>st</sup> call: Proposals for research projects for the support of Faculty members and Researchers working in Greek Universities and Research Centres and the procurement of strategic research equipment. Duration: 30 months. Budget: €149,000.] **EE**
37. *Development of an advanced prognostic tool for the optimum management and control of integrated hybrid renewable energy systems (PROGRESS)*. [Submission date: 15 January 2018. Funding source: ELIDEK 1<sup>st</sup> call: Proposals for research projects for the support of Faculty members and Researchers working in Greek Universities and Research Centres and the procurement of strategic research equipment. Duration: 36 months. Budget: €200,000.] **EE**
38. *Estimation of solar radiation on the surface of Mars (ESEM)*. [Submission date: 17 April 2018. Funding source: MBR Space Settlement Challenge. Duration: 6 months. Budget: AED 59,820 ≈ €13,208.] **EE**



# SECTION D

## EDUCATIONAL WORK

### D.1. Supervision of BSc theses

This voluntary task started in 1988 and is still continuing. It consists of BSc projects, most of which have been proposed by me in collaboration with colleagues in Universities or TEIs. In summary, there have been supervised 31 BSc projects with the following statistics:

1. NKUA, Dept. of Applied Physics: 4.
2. University of Patras, Dept. of Physics: 6.
3. University of Patras, Dept. of Electrical Engineering: 9.
4. TEI-Piraeus (various Depts): 10.
5. NKUA, Dept. of Geology and Geoenvironment: 2.

### D.2. Supervision of MSc theses

This voluntary task started in 1990 and is still continuing. It consists of MSc projects, most of which have been proposed by me in collaboration with colleagues in Universities or TEIs. In summary, there have been supervised 22 MSc projects with the following statistics:

1. University of Wageningen, Dept. of Environmental Engineering, The Netherlands: 1.
2. NKUA, Dept. of Applied Physics: 2.
3. University of Ioannina, Dept. of Physics: 1.
4. University of Patras, Depts of Physics and Chemistry: 3.
5. NKUA, Dept. of Geology and Geoenvironment: 4.
6. HOU, School of Natural Sciences: 11.

### D.3. Supervision of PhD projects

This voluntary task started in 1994 and is continuing. It consists of doctorate projects, most of which have been proposed by me in collaboration with colleagues in Universities or TEIs. In summary, I have supervised/participated in 13 PhD projects with the following statistics:

1. University of Patras, Dept. of Physics, Greece: 1.
2. Napier University, Dept. of Mechanical, Construction and Software Engineering, UK: 2
3. University of Ioannina, Dept. of Physics, Greece: 3.
4. HOU, School of Natural Sciences, Greece: 1.
5. Indian Institute of Technology, India: 1 (external examiner).
6. University of Andhra, Dept. of Environmental Sciences, India: 1 (external examiner).
7. University of Granada, Dept. of Civil Engineering, Spain: 2 (external examiner).
8. University of Burgos, Superior Polytechnic School, Spain: 1 (external examiner).
9. TERI, School of Advanced Studies, India: 1 (external examiner).

### D.4. Supervision of training courses

This voluntary task started in 2002 and is continuing. It consists of training courses organised at NOA by ART, all of which have been supervised by me. The students come from Universities or

TEIs. In summary, there have been organized and supervised 44 training courses with the following statistics:

1. NKUA, Dept. of Geology and Geoenvironment: 31.
2. University of Ioannina, Dept. of Environmental and Natural Resource Management: 1.
3. University of Ioannina, Dept. of Physics: 1.
4. University of the Aegean, Dept. of Geography: 5.
5. Agricultural University of Athens, Dept. of Natural Resource Exploitation and Agricultural Engineering: 1.
6. TEI-Piraeus (various Depts): 4.
7. NKUA, Dept. of Physics: 1.





# SECTION E

## TEACHING WORK

### E. Teaching experience

1. **Lectures** to students of Laboratory of Wireless Telecommunications, Dept. of Electrical Engineering, University of Patras, Greece (1979).
2. **English Teacher** in a private Technical-Professional College in Athens (1979).
3. **Instructor** to seminars of ELKEPA on: *Energy, Environment and Thermal Solar Systems*, Athens, Greece, October 1990.
4. **Instructor** to NKUA seminars on: *Modern techniques for the study of Atmospheric Environment in urban and industrial areas*, Athens, Greece, November 1991.
5. **Invited speaker** in seminars organized by the Institute of Electronics, Bulgarian Academy of Sciences on: *Lasers-Physics and Applications*, Sofia, Bulgaria, 28 September - 2 October 1992.
6. **Instructor** to seminars organized by the Municipality of Athens and NKUA on: *Environmental monitoring*, Athens, Greece, October - November 1992.
7. **Invited speaker, participant** and **chairman** of a thematic unit in NATO ARW: *Fluid mechanics of turbulent jets and plumes*, Viana do Castelo, Portugal, 28/6 - 2/7/1993.
8. **Invited speaker** and participant in NATO ASI: *Wind climate in cities*, Karlsruhe, Germany, 5 - 16/7/1993.
9. **Organiser** and **instructor** to NOA seminars on: *Natural and artificial lighting-Modern applications*, Athens, Greece, 1/10 - 31/12/1993.
10. **Instructor** to seminars organized by the University of Patras on: *Metrology and standardisation*, Patras, Greece, 1/10 - 31/12/1993.
11. **Lecture**, after invitation from Prof. L. Wöste (Freie Universität Berlin, Institute of Experimental Physics) on: *An environmental experiment over Athens urban area*, Berlin, Germany (18/6/1992).
12. **Lectures**, after invitation from Prof. P. Atanasov (Institute of Electronics, Bulgarian Academy of Sciences), as central speaker on: *An environmental experiment over Athens urban area and Some applications of lasers in environmental studies*, Sofia, Bulgaria, 28/9 - 2/10/1992.
13. **Lecture**, after invitation from Dr. P. Davies (Civil Engineering, University of Dundee, UK) to ARW of NATO, on: *Fluid mechanics of turbulent jets and plumes*, Viana do Castelo, Portugal, 28/6 - 2/7/1993.
14. **Lecture**, after invitation from Prof. E. Plate (University of Karlsruhe, Germany) to ASI of NATO, on: *Wind climate in cities*, Karlsruhe, Germany, 5 - 16/7/1993.
15. **Lecture**, after invitation from Prof. D. Meschede (Institute for Quantum Optics, University of Hannover, Germany), on: *Estimation of atmospheric turbidity parameters in Athens*, Hannover, Germany (24/5/1994).
16. **Lecture**, after invitation from Prof. B.D. Katsoulis (University of Ioannina, Dept. of Physics, Greece), to postgraduate students on: *Solar radiation calculation from meteorological data*, Ioannina, Greece (14/12/1994).
17. **Lecture**, after invitation from Prof. B.D. Katsoulis (University of Ioannina, Dept. of Physics, Greece), to postgraduate students on: *Adaptation of atmospheric turbidity parameters after Linke and Unsworth-Monteith to daylight*, Ioannina, Greece (24/2/1995).

18. **Lectures**, after invitation from Prof. N.S. Margaritis (University of the Aegean, Dept. of Environment, Greece), to postgraduate students on: *Solar energy and daylight* and *MAir pollution long-range transport*, Lesbos island, Greece (22/11/1996).
19. **Lecture**, after invitation from Prof. B.D. Katsoulis (University of Ioannina, Dept. of Physics, Greece), to postgraduate students on: *Assessment of atmospheric turbidity in the visible spectrum*, Ioannina, Greece (5/6/1998).
20. **Lectures**, after invitation from Prof. B.D. Katsoulis (University of Ioannina, Dept. of Physics, Greece), to postgraduate students on: 1) *Mobile station for remote sensing air pollutants with the LIDAR-DAS technique*, 2) *Some environmental laser applications*, 3) *Assessment of atmospheric turbidity in the visible spectrum after Linke and Unsworth-Monteith: application to Athens*, 4) *Calculation of solar radiation on horizontal plane*, 5) *Assessment of solar radiation on inclined surface*, 6) *Radiation budget*, Ioannina, Greece (17, 18/12/1998).
21. **Instructor** to GAIA seminars (see C.1.16), Athens, Greece.
22. **Instructor** to ASTRO seminars (see C.1.19), Athens, Greece.
23. **Lecture** on: *Meteorology of atmospheric pollution* (May - June 2002) to postgraduate students of Dept. of Chemistry, University of Patras, Greece.
24. **Lectures**, after invitation from Prof. B.D. Katsoulis (University of Ioannina, Dept. of Physics, Greece), to postgraduate students on: 1) *Study of aerosols size from solar spectral measurements*, 2) *Temporal evolution of atmospheric pollution in the Athens area: results from ground-based and satellite observations*, Ioannina, Greece (16 - 17/12/2002).
25. **Lecture** on: *Meteorology of atmospheric pollution* (May - June 2003) to postgraduate students of Dept. of Chemistry, University of Patras, Greece.
26. **Lecture** on: *Atmospheric environment* in the frame of the Popular University organized by the Municipality of Ag. Paraskevi, Greece during October - December 2003.
27. **Lecture** on: *Atmospheric environment: air pollution meteorology* to postgraduate students of Athens University of Economics and Business, Athens, Greece (19/5/2005).
28. **Lectures** to postgraduate students of University of Ioannina, Greece, on: 1) *Light in the end of the tunnel* and 2) *Denaturation of museum exhibits by visible radiation*, Ioannina, Greece (1/3/2006).
29. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (8/12/2010).
30. **Professor – Consultant** selected by HOU for the academic year 2010 - 2011 in the topic *General principles of lighting* of the postgraduate course programme “Lighting design – Multimedia”. Gained experience in **distance teaching-learning**. [The topic had 21 students. Teaching material: radiometry-photometry principles, definitions and measurements units, optical perception of light, colour and light, light and shadow, light and space.]
31. **Professor – Consultant** selected by HOU for the academic year 2011- 2012 in the topic *General principles of lighting* of the postgraduate course programme “Lighting design – Multimedia”. Gained experience in **distance teaching-learning**. [The topic had 28 students. Teaching material: radiometry-photometry principles, definitions and measurements units, the function of eye, artificial light sources, reflectors, diffusers, calculation of lighting, optical perception of light, colour and light, light and shadow, light and space.]
32. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (7/12/2011).
33. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (5/12/2012).
34. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (26/3/2014).
35. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (29/4/2015).

36. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Environmental Meteorology* (20/4/2016).
37. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Meteorology and atmospheric pollution* (26/4/2017).
38. **Lecture** to postgraduate students of NKUA, Dept. of Chemistry, Laboratory of Environmental Chemistry, Greece on *Meteorology and atmospheric pollution* (17/5/2018).

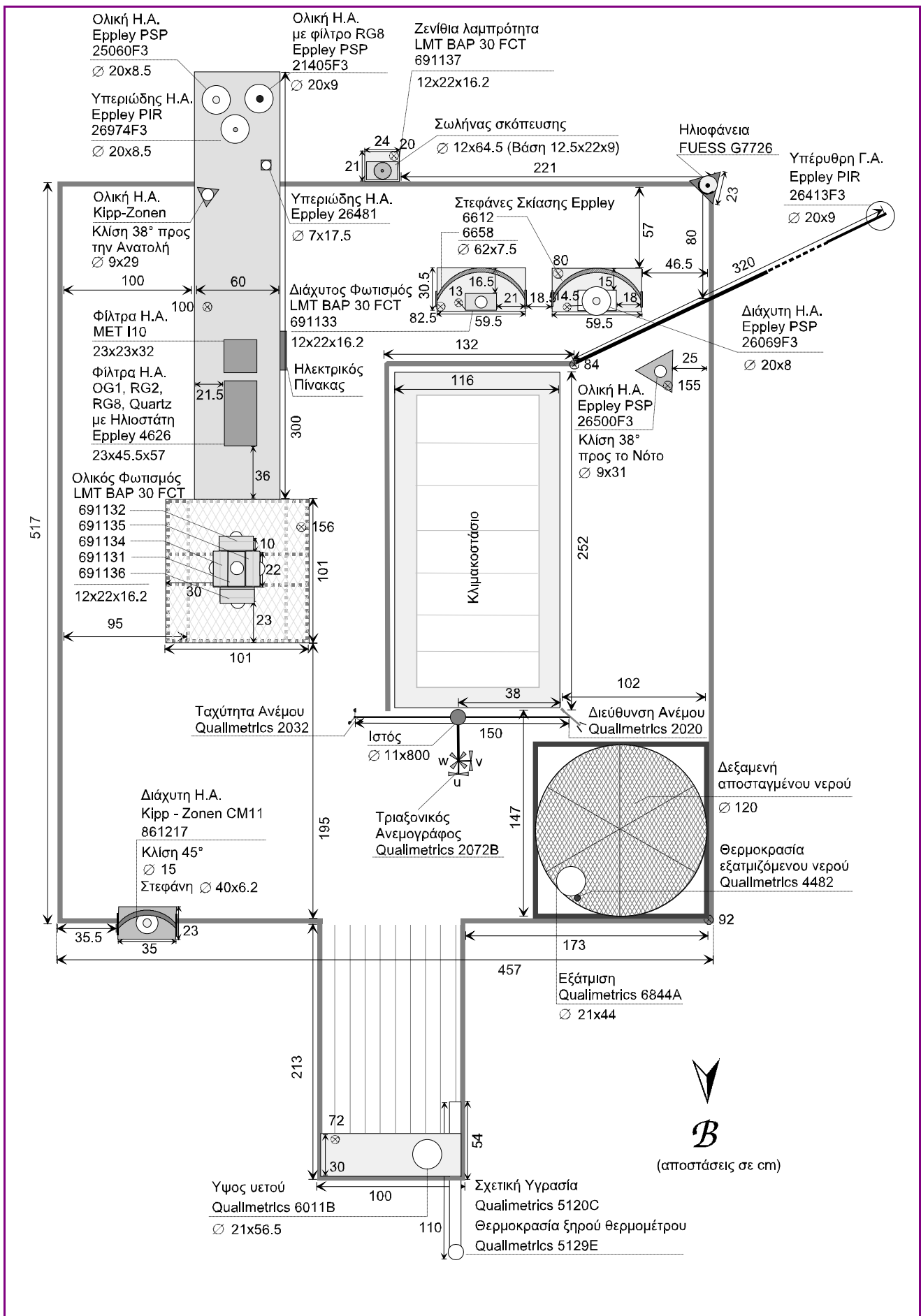


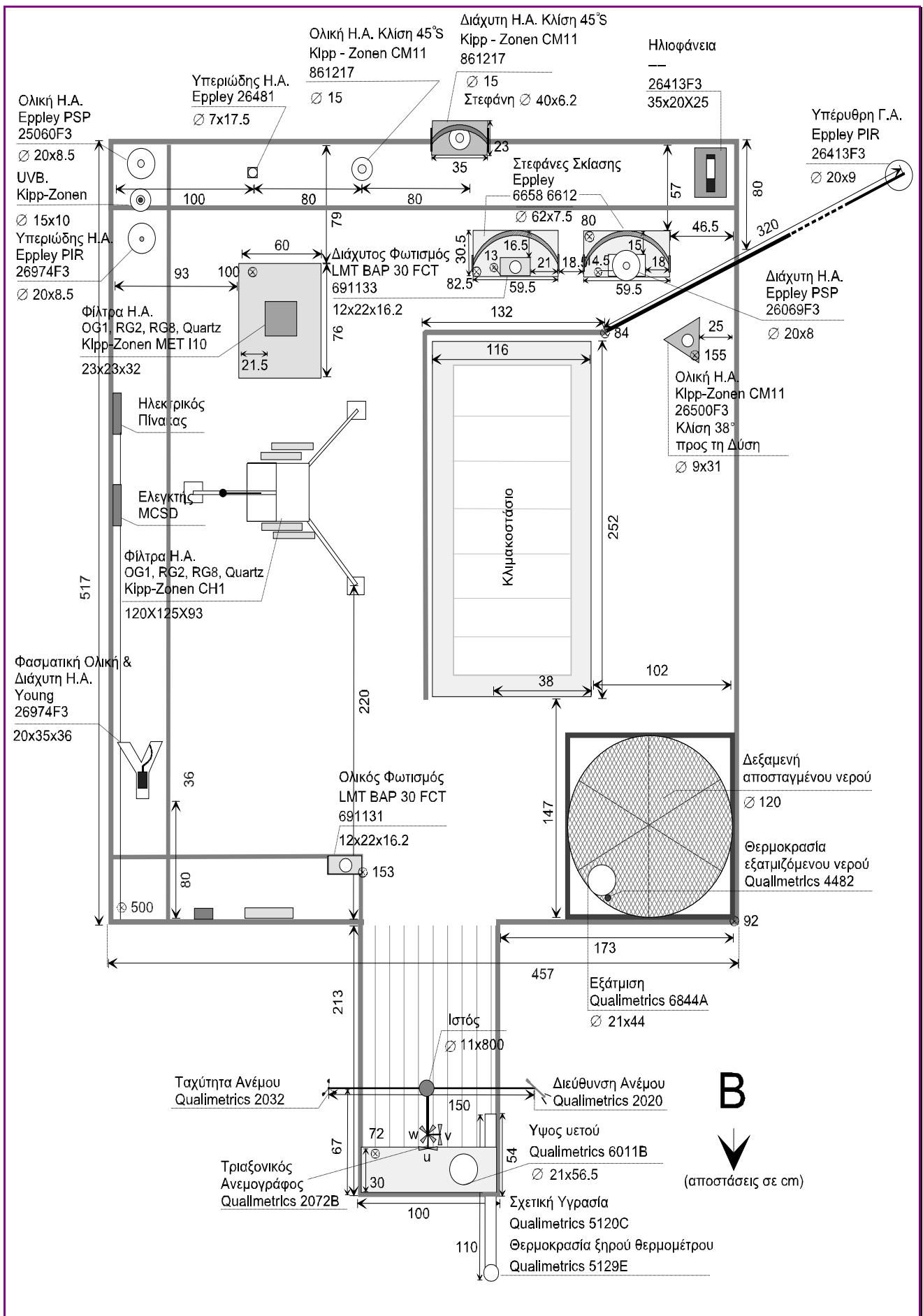
# SECTION F

## ADMINISTRATIVE & MANAGERIAL WORK

### F.1. Administrative posts

1. Administrative activities from May 1989 to end of May 1993 and from November 1994 to today at NOA. [Editorship of *Climatological Bulletin of IERSD*, participation in NOA committees for equipment purchase.]
2. Appointed by the Administrative Board of HPU **President** of the *Environment Committee* of the Union, from 1994.
3. **Scientific consultant** for atmospheric environment issues to the company *ELIGHT Laser Systems GmbH* based in Barlin, Germany, from 1993 to its closing in 2004.
4. **Member** of the *Supplies Committee* of the University of Thessaly, Greece in December 1988.
5. **Founder and Head** of ART in 1992.
6. Elected **President** of the *Administrative Board* HPU in 1999 - 2000.
7. Elected **Member** of the *Administrative Board* of HPU in the period 2000 - 2001.
8. **President** of the 3-member *Supplies Committee* at NOA from 1999.
9. Administrative tasks within IERD from 1989 to end of May 1993 and from end of 1995 to today. [Main task of operating and maintaining ASNOA. Under my proposal and supervision ASNOA changed the kind and structure of its equipment (see first diagram) to what is now (see second diagram) in the period November 1996 – January 1997 with funding from project C.1.13.]
10. Elected **Deputy Research Representative** in the *Administrative Board* of NOA in 2002 - 2003.
11. Elected **Vice-President** of the *Scientific-Consultative Committee* of IERSD in 2002-2003.
12. **Founding Member** of HIC.
13. Elected **President** of HIC for the 4-year term January 2003 – December 2006.
14. Elected **Member** of the *Administrative Board* of the *NOA Researchers Association* in 2004 - 2005.
15. Elected **President** of the *Scientific-Consultative Committee* of IERSD in 2004 - 2005.
16. Elected **Secretary** of the *Scientific-Consultative Committee* of IERSD in 2006 - 2007.
17. Appointed by Ministry of Development **Member** of the *Administrative Board* of the National Documentation & Electronic Content Centre in the period 20/12/2006 – 22/5/2010.
18. Re-appointed **Member** of the *Administrative Board* of the National Documentation & Electronic Content Centre in the period 20/12/2006 – 22/5/2010.





19. Appointed by Ministry of Development **Member** of the *Administrative Board* of the Renewable Energy Sources Centre, Athens, Greece, for the 3-year term July 2004 – June 2007.
20. Elected **President** of HIC for the 4-year term January 2007 – December 2010.
21. Appointed by Ministry of Development **Member** of the *Administrative Board* of the Renewable Energy Sources Centre, Athens, Greece, for the 3-year term July 2007 – June 2010.
22. Re-appointed by Ministry of Development **Member** of the *Administrative Board* of the National Documentation & Electronic Content Centre, Athens, Greece, in 2009.
23. Appointed by MEPPPW **President** of the *Management Board of the Marathon-Schinas National Park*, Greece in the period July 2009 – March 2010. [The term of the Presidency was a 3-year one; national elections in October 2010 resulted in replacing all Presidents of the National Parks Management Boards in Greece.]
24. Elected **Secretary** of HIC for the 4-year term January 2011 – December 2014.
25. **President** (17 May – 31 December 2010) of the *Scientific Committee of IERSD Stations* after written command of the Director of the Institute 47/17.2.2011.
26. Appointed by MECCE **President** of the *Management Board of the Marathon-Schinas National Park*, Greece for the rest of the 3-year term March 2010 – February 2013. [The previous President appointed for the term March 2010 – February 2013 resigned in June 2011, see F.1.23. The employees of the National Park and the local societies of the Marathon area asked the Minister for my return to the position of the President because of my great contribution during my 6-month term to the organisation of the Park, administrative experience and mutual understanding with the local societies. Therefore, there was request from the political leadership of the Ministry to accept the position in case of proclamation. The position was proclaimed in the open governance website; I applied and was selected. Extension of the service of the Managements Boards of all the Protected Areas in Greece until 31/12/2015 by the Ministry of Environment and Energy. New extension of the operation of the Management Boards until 31/12/2016 from the same Ministry.]
27. Elected **Treasurer** of HIC for the 4-year term January 2015 – December 2018.
28. **Acting Director of IERSD** (decision of the Administrative Board of NOA during its 1066<sup>th</sup> meeting on 27/6/2012). Duration until mid-October 2013.

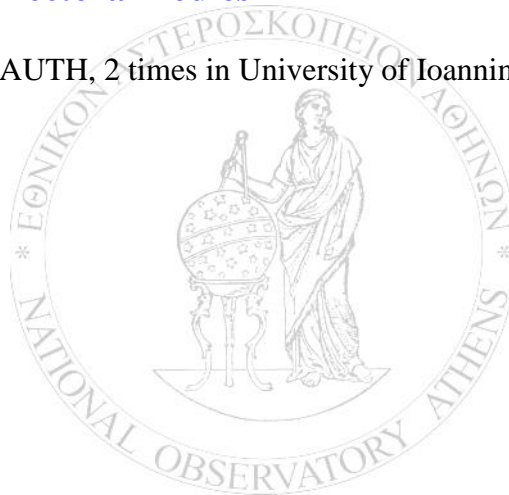
## F.2. Coordination of research teams

1. Head of ART from 1992 until today.
2. Coordination of research teams (apart from ART) in the frame of projects:
  - International geodetic programme. In charge of a 4-member team for the Vaisala soundings.
  - CliMed. Coordinator of a 5-member team.
  - RISCMASS. Coordinator of a 13-member team.
  - PAPYSA. In charge of a 4-member team.
  - Establishment of mobile station for remote sensing air pollutants with the advanced lidar technology. In charge of a 13-member team.
  - Actinometric Laboratory of IERSD. New structure of equipment and new sensors.
  - Air pollution transport and diffusion over coastal urban areas. Director of the Pilot Study in charge of a multi-member research team from various countries.
  - a. Measurements and methodology development for the calculation of solar radiation fluxes on planes of arbitrary orientation, and b. ATHIBLEX. Coordination of research team consisting of IERSD members.
  - Management of air quality with the aid of laser advanced technology. Coordination of a 3-member team.
  - Exploitation of solar light in interior space lighting. Coordination of a 3-member team.

- *Comparison of energy efficiency between static and moving solar collectors for solar thermosyphons in Greece and Cyprus. Coordination of a 7-member team.*
- *Investigation of the contribution of remote sensing to the detection of sort and quality of vegetation and crop assessment. Coordination of a 25-member team from various Universities, Research centres and Public Entities in Greece.*
- *RedCoEnSa. In charge of a 5-member team.*
- *STEPA. Coordination of a 30-member team from various Universities, research Centres, Public Agencies and Companies in Greece.*
- *DRY. Coordination of a 3-member team.*
- *ACAQIA. Coordinator of a 6-member research team.*
- *FORFI. Coordinator of a 6-member research team.*
- *Investigation of the capability for substituting municipal lighting by new using PVs. Coordinator of a 2-member team.*
- *Measurements of solar radiation at Megalopolis. In charge of a 3-member team.*
- *Knowledge transfer and research needs for preparing mitigation / adaptation policy portfolios (PROMITEAS-4). In charge of a 4-member team.*

### **F.3. participation in Electoral Bodies**

1 time in NOA, 3 times in AUTH, 2 times in University of Ioannina.





# SECTION G

## INITIATIVES

### G.1. Initiatives

1. Scientist in charge of ASNOA good operation and maintenance from May 1986 to end of May 1993 and from beginning of 1996 until today. Station upgrade in beginning of 1992 and second in the period 1996 - 1997 through project C.1.13.
2. Scientist in charge of the good operation of the IERSD instruments from 1985 to the end of May 1993 and from beginning of 1996 until today.
3. Functional and administrative activities from May 1989 to end of May 1993 (see also F.1.1).
4. Scientist in charge of the automation of IERSD soil temperature measurements station in 1991.
5. Establishment and organisation (summer 1992) of ART.
6. Proposal to NATO/CCMS and support of relevant application by Dr. D. Melas (AUTH) for a NATO Fellowship in the frame of the Pilot Study C.2.2. Grant award to Dr. Melas in 1992.
7. Same with G.1.6, but for B.E. Psiloglou (IERSD), Prof. O. Yenigün (Boğaziçi University, Istanbul, Turkey) and Dr. S. Rafailidis (University of Hamburg, Germany). The applicants received their NATO grants for the project C.2.2 in 1992, 1994 and 1995, respectively.
8. **Inspirator** and **Founding Member** of HIC ([www.efe.gr](http://www.efe.gr)) in July 2002 with headquarters at NOA. HIC is a member of CIE ([www.cie.co.at](http://www.cie.co.at)).
9. **Principal Investigator** and **Initiator** for linking the ASNOA Vaisala CL31 ceilometer with the *Economic Interest Group EUMETNET* (EIG-EUMETNET) of *E-PROFILE* products (<http://eumetnet.eu/e-profile>) under 1-year (1/7/2018 – 30/6/2019) contract.

### G.2. Innovations

1. **First** measurements of total solar radiation on inclined planes at ASNOA (January 1988). Continuation of measurements until today.
2. **First** measurements of diffuse solar radiation on inclined planes at ASNOA (February 1988). Continuation of measurements until today.
3. **First** use of the Unsworth-Monteith turbidity parameter in Athens.
4. Development of MRM code. [MRM was used by CIBSE, UK.]
5. Corrections to published SUNAE algorithm (*Solar Energy* **22**, 1979). [The corrections are found in the publications B.2.7 and B.2.12.]

### G.3. Invitation to scientists

1. To F. Köpp (Institute for Optoelectronics, DLR, Wessling, Germany) to give lecture at NOA on: *The DLR LDA system and some applications of it* (28/6/1990).
2. To Dr. G. Kritikos (Institute for Optoelectronics, DLR, Wessling, Germany) to give lecture at NKUA's lecture theatre on: *DLR data image processing system (XDIBIAS) and examples of applications in the environment field* (12/11/1992).
3. To Prof. L. Wöste (Freie Universität Berlin) to give lecture at NOA on: *Lidar application in the environment field* (1/6/1993).

#### G.4. Organisation of seminars – conferences - lectures

1. **Organiser** and **Head of the Organising Committee** of the NATO/CCMS ARW (see project C.2.2) on: *Air pollution transport and diffusion over coastal urban areas*, Athens, Greece, 3 – 5 May 1993. [The published article B.2.22 is a product of the ARW.]
2. **Organiser** of the seminars *Natural and artificial lighting-Modern applications* (see project C.2.2.3).
3. **Organiser** at NOA of seminar on *Daylight and building* related to project RedCoEnSa (17 November 2000).
4. **Organiser** and **Greek Coordinator** of *1<sup>st</sup> International Hellenic-Turkish Physics Conference*.
5. **Member** of the **International Organising Committee** for the *1<sup>st</sup> International Hellenic-Turkish Physics Conference*.
6. **Organiser** and **Member** of the **Organising Committee** for the *1<sup>st</sup> International Symposium of HIC “Technological advancements of daylight applications”*, Athens, Greece, 26-27 February 2004.
7. **Participation**, as President of HIIC, in the organization of seminar “Modern requirements in daylight”, EXPO Conference Centre, Anthousa, Attica, Greece on 16 October 2004 in the frame of the *ELECTROtec Saloon & Lighting Exhibition 2004*.
8. **Organiser** and **Member** of the **Scientific Committee** for the *2<sup>nd</sup> International Joint Conference of HIC and Forum for Solar Radiation & Daylight Experts “Advancements and applications of solar light in the dawn of the 21<sup>st</sup> century” SOLARIS 2005*, Athens, Greece, 26 - 27 May 2005.
9. **Member** of the **International Programme Committee** for the *2<sup>nd</sup> International Conference on Geographical Information Systems Theory, Applications and Management (GISTAM 2016)*, Rome, Italy, 26 - 27 April 2016.

#### G.5. Collaborations

Apart from those with colleagues within the Institute, external cooperations have been developed with:

1. NKUA, Dept. of Applied Physics, Laboratory of Meteorology, Athens, Greece.
2. University of Ioannina, Dept. of Physics, Laboratory of Meteorology, Ioannina, Greece.
3. NTUA, Dept. of Physics, Laser Source Laboratory, Athens, Greece.
4. TEI Piraeus, Dept. of General Mathematics, Piraeus, Greece.
5. EKEFE “Dimokritos”, Institute of Nuclear Technology & Radioprotection, Athens, Greece.
6. Philips Lighting SA, Maroussi, Greece.
7. DLR, Institute of Optoelectronics, Wessling, Germany.
8. Bulgarian Academy of Sciences, Institutes of (a) Electronics, (b) meteorology & Hydrology, and (c) Space Research, Sofia, Bulgaria.
9. University of Reading, Dept. of Meteorology, Reading, UK.
10. Building Research Establishment, Garston - BRE, UK.
11. Centre Scientifique et Technique du Batiment - CSTB, Nantes, France.
12. Laboratoire des Sciences de l' Habitat - LASH, Lyon, France.
13. Laboratorio Nacional de Engenharia Civil - LNEC, Lisbon, Portugal.
14. Deutscher Wetterdienst, Hamburg, Germany.
15. University of Sheffield, School of Architectural Studies, Sheffield, UK.

16. Napier University, Dept. of Mechanical, Construction & Software Engineering, Edinburgh, UK.
17. NTUA, Dept. of Survey & Agricultural Engineering, Athens, Greece.
18. Florida Solar Energy Center – FSEC, Orlando, USA.
19. Boğaziçi University, Institute of Environmental Sciences, Istanbul, Turkey.
20. Slovak Academy of Sciences, Institute of Constructions & Architecture, Bratislava, Slovakia.
21. Hebrew University, Institute of Atmospheric Sciences, Negev, Israel.
22. NTUA, Institute of Communication Systems & Computers, Athens, Greece.
23. HOT, Dept. of Research & Applications, Athens, Greece.
24. DOW Hellas SA, Athens, Greece.
25. ECON Industries SA, Koropi, Greece.
26. ELIGHT Laser Systems GmbH, Berlin, Germany.
27. University of Patras, Dept. of Physics, Patras, Greece.
28. University of Patras, Dept. of Electrical Engineering & Computers, Laboratory of Wireless Telecommunication, Patras, Greece.
29. NETI, Lisbon, Portugal.
30. University of Valladolid, Dept. Of Physics II, Valladolid, Spain.
31. Technical University of Sofia, Laboratory of Lighting, Sofia, Bulgaria.
32. Higher Technological Institute, Nicosia, Cyprus.
33. Centra for Energy Programming, Nicosia, Cyprus.
34. **στύλβη**, company of lighting applications, Athens, Greece.
35. FLOGA, solar thermosyphon construction company, Nicosia, Cyprus.
36. Hellenic Air Force, Glyfada, Greece.
37. Rutherford Appleton Laboratory, Radiocommunications Research Unit, UK.
38. Istanbul Technical University, Dept. of Aeronautical Engineering, Istanbul, Turkey.
39. Research Centre “Kirilo Savič”, Dept. of Environmental Research, Zagreb, Croatia.
40. AUTH, Dept. of Physics, Laboratory of Atmospheric Physics, Thessaloniki, Greece.
41. DotSoft Ltd, Thessaloniki, Greece.
42. IMPETUS ENGINEERING Ltd, Athens, Greece.
43. Catalonia Chartographic Institute, Barcelona, Spain.
44. Region of Calabria, Italy.
45. Region of Sicily, Italy.
46. University of Alicante, Alicante, Spain.
47. CNR-IRPI, Rende, Italy.
48. National Remote Sensing Centre, Hyderabad, India.
49. KEPA-NKUA, Athens, Greece.
50. Institute for Advanced Studies, Βιέννη, Αυστρία.
51. TUBITAK, Marmara Research Centre, Κωνσταντινούπολη, Τουρκία.
52. Energy Strategy Centre, Yerevan, Armenia.
53. University of Belgrade, Faculty of Mining and Geology, Centre for Energy, Belgrade, Serbia.
54. Academy of Science, Institute of Power Engineering, Cinsinaou, Moldova.
55. AUTH, School of Mechanical Engineering, Laboratory of Heat Transfer and Environmental Engineering, Thessaloniki, Greece.
56. Finance Academy, Moscow, Russia.
57. Institute for Studies and Power Engineering, Bucurest, Romania.
58. Polytechnical University of Tirana, Tirana, Albania.
59. Geotechnological Problems of Oil, Gas and Chemistry, Bakou, Azerbaijan.
60. Black Sea Regional Energy Centre, Sofia, Bulgaria.

61. National Technical University of Ukraine, Energy Saving and Energy Management Institute, Kiev, Ukraine.
62. KAZHIMINVEST, Kazakhstan.
63. Tallinn University of Technology, Tallinn, Estonia.



# SECTION H

## INTERNATIONAL RECOGNITION

### H.1. Invitation to lectures

1. From Prof. L. Wöste (Freie Universität Berlin, Germany) to give lecture on: *An environmental experiment over Athens urban area*, 18 June 1992.
2. From Prof. P. Atanasov (Institute of Electronics, Bulgarian Academy of Sciences, Sofia, Bulgaria) to give two lectures on: *An environmental experiment over Athens urban area* and *Some applications of lasers in environmental studies* (see also βλέπε I.2.2.17 and I.2.2.18). [Transport and stay expenses were covered by organisers.]
3. From Dr. P. Davies (Civil, Engineering, University of Dundee, UK) to participate with a lecture in the NATO ARW on: *Fluid mechanics of turbulent jets and plumes*. Viana do Costelo, Portugal, 28 June – 2 July 1993. [Transport and stay expenses were covered by organisers.]
4. From Prof. E. Plate (University of Karlsruhe, Germany) to participate with a lecture in the NATO ASI on: *Wind climate in cities*. Karlsruhe, Germany, 5 -16 July 1993. [Transport and stay expenses were covered by organisers.]
5. From Prof. D. Meschede (Institute for Quantum Optics, University of Hannover, Germany) to give lecture on: *Estimation of atmospheric turbidity parameters in Athens* at the Institute, 24 May 1994.
6. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lecture on: *Assessment of solar radiation from meteorological data* at the Dept., 14 December 1994.
7. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lecture on: *Adaptation of Linke and Unsworth-Monteith atmospheric turbidity parameters to daylight* at the Dept., 24 February 1995. [Transport and stay expenses were covered by organisers.]
8. From Prof. N.S. Margaris (Dept. of Environment, University of the Aegean, Lesbos island, Greece) to give lecture on: *Air pollution long-range transport* at the Dept., 22 November 1996. [Transport and stay expenses were covered by organisers.]
9. From HPU to give lecture on: *Atmospheric pollution and acid rain* at during a Symposium organized by HPU in Tripolis, Greece, 19 December 1997. [Transport and stay expenses were covered by organisers.]
10. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lecture on: *Estimation of atmospheric turbidity in the visible spectrum* at the Dept., 5 June 1998.
11. **Invited speaker** to the *3<sup>rd</sup> Panhellenic Environmental Conference* (Halkida, Greece, 11 - 13 December 1998).
12. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lectures to the postgraduate students in Meteorology – Climatology at the Dept., 17 – 18 December 1998. [Transport and stay expenses were covered by organisers.]
13. **Invited speaker** to the *8<sup>th</sup> Panhellenic Environmental Conference* (Kyparissia, Greece, 28 - 31 January 1999) with lecture on: *Evolution of atmospheric pollution in the Athens basin*.
14. **Invited speaker** to the *Conference “Solar Energy in Cyprus: applications, experiences and perspectives”*, Nicosia, Cyprus, 2 July 1999. [Transport and stay expenses were covered by organisers.]

15. **Invited speaker** with lecture on: *Thoughts for the creation of an Operational Centre in the Region of W. Greece* in the frame of the seminar “Research products and applications in the Region of W. Greece”, Patras, Greece, 18 November 1999.
16. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lecture on: *Daylight levels in the Athens area* at the Dept., 16 November 2001. [Transport and stay expenses were covered by organisers.]
17. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lectures to the postgraduate students in Meteorology – Climatology at the Dept., 16 – 17 December 2002. [Transport and stay expenses were covered by organisers.]
18. From Prof. B.D. Katsoulis (Division of Astrogeophysics, Dept. of Physics, University of Ioannina, Greece) to give lectures to the postgraduate students in Meteorology – Climatology at the Dept., 16 – 17 December 2003. [Transport and stay expenses were covered by organisers.]
19. **Invited speaker** to the 3<sup>rd</sup> *International Conference SOLARIS 2007* (New Delhi, India, 7 – 9 February 2007) with lecture on: *Aerosols: a key issue between solar radiation and climate change*.
20. **Invited speaker** to the TEE seminar about *Forest fires – Assessment and perspectives* (Athens, Greece, 5 May 2008) with lecture on: *Risk assessment and consequences recording systems*.
21. **Invited speaker** to the NATO ARW: *Climate change, human health and social security on Atmospheric aerosol climatology over the globe: emphasis on dust storms*, Dubrovnik, Croatia, 28-30 April 2011. [My transport and stay expenses were covered by the symposium organisers.]

## H.2.Grants

1. Grant of €4.516 from Deutscher Akademischer Austauschdienst (DAAD) in the period May – July 1992. [This grant was related to C.1.1.7. Experienced was gained with the DLR CO<sub>2</sub> lidar system.]
2. Travel grant of £300 from the British Council in Athens to visit Napier University for collaboration in April 1993.
3. Travel grant of \$1300 from A&WMA. [The grant was for my participation in the *International Conference “Regional photochemical measurements and modelling studies”*, San Diego, USA, 7 – 12 November 1993, with presentations B.5.34, 35.]
4. Two travel grants of £450 each from the British Council in Athens to visit Napier University in the period 1/9/1994 - 31/3/1996 for enhancing collaboration.
5. Travel grant of £450 from the British Council in Athens to visit Napier University in the period 1/4/1996 - 31/3/1997 for continuing collaboration.
6. Travel grant of £450 from the British Council in Athens to visit Napier University in the period 1/4/1997 - 31/3/1998 for continuing collaboration.
7. Grant of €4800 from NATO/CCMS in the period September 1999 – December 2004. [The grant was awarded in the frame of the NATO/CCMS Pilot Study C.1.1.13.]

## H.3. Reviewer of scientific works - monographs

### H.3.1.Reviewer of works to scientific journals (the publishing companies in brackets)

1. *Atmospheric Environment* (Elsevier):
  - Ziomas et al. “Twenty years of regular SO<sub>2</sub> measurements in Athens, Greece” (review: September 1991).
  - Svensson et al. “Aircraft measurements and model simulations of the air quality in Athens, Greece” IZ95-08 (review March 1996).

- Carnuth and Trickl “Transport studies with the IFU 3D-wavelength aerosol lidar during the VOTALP Mesolcina experiment” 9032 (review: February 1999).
  - Liu et al. “Internal boundary layer structure under sea-breeze condition in Hong Kong” (review April 2000).
  - Cheng et al. “Monitoring evidence for the impact of sea-breeze circulation on ozone concentration in West-Central Taiwan” (review: January 2001).
  - Karakitsos et al. “Contribution to ambient benzene concentrations in the vicinity of petrol stations. Estimation of the associated health risk” ATMENV-D-06-00737 (review: August 2006).
  - El-Metwally et al. “Seasonal variation of the aerosol characteristics in Cairo as retrieved from spectral sunphotometer measurements” ATMENV-D-07-00987 (review: December 2007).
  - He et al. “Polynomial-regression-based stepwise cluster analysis for urban air quality forecasting” ATMENV-D-07-01264 (review: January 2008).
  - Pey et al. “Discriminating the regional and urban contribution in the North-western Mediterranean: PM levels and composition” ATMENV-D-09-01253 (review: December 2009).
  - Glavas and Sazaki “Ozone “rivers” in the Balkans” ATMENV-D-10-00696 (review: June 2010).
  - Balakrishnaiah et al. “Analysis of optical properties of ambient aerosols inferred from spectral optical depths and Angstrom wavelength exponent” ATMENV-D-10-00653 (review: July 2010).
  - Salazar “Estimation of monthly values of atmospheric turbidity through the comparison of measured values of global irradiance vs. estimated values using CSR and Yang Hybrid model. Study case: Argentina” ATMENV-D-10-00998 (review: September 2010).
  - Glavas and Sazaki Ozone “rivers” in the Balkans” ATMENV-D-10-01130 (review: October 2010).
  - Salazar “Estimation of monthly values of atmospheric turbidity through the comparison of measured values of global irradiance vs. estimated values using CSR and Yang Hybrid model. Study case: Argentina» ATMENV-D-10-00998R1 (review: February 2011).
  - Rao & Niranjana “Optical depths and their spectral curvature of the South Asian Winter Haze at a tropical coastal station in India» ATMENV-D-11-01431 (review: November 2011).
  - Rao & Niranjana “Optical depths and their spectral curvature of the South Asian Winter Haze at a tropical coastal station in India” ATMENV-D-11-01431R1 (review: January 2012).
2. **Solar Energy (Elsevier):**
- Cucumo et al. “General calculation methods for solar trajectories” 95-05-12-2265 (review: June 1995).
  - 95-07-10-1806 (review: August 1995).
  - Sen et al. “Application of generic algorithm for determination of Angstrom equation coefficients” (review: 2000).
  - 01-07-04-0071 (review: September 2001).
  - Alshaibani “Determination of CIE Standard General Sky from horizontal and vertical illuminance/irradiance” SE-D-08-00332 (review: November 2008).
  - Kelly & Gibson “Improved photovoltaic energy output for cloudy conditions with a solar tracking system” SE-D-08-00395 (review: December 2008).
  - Perez-Burgos et al. “Daylight illuminance on horizontal and vertical surfaces. Case study of shaded surfaces” SE-D-09-00091 (review: April 2009).
  - Takebayashi & Moriyama “Analysis of the relationships between the properties of an urban heat canyon and its radiant environment from the viewpoint of the introduction of appropriate urban heat island mitigation technologies” SE-D-11-00819 (review: November 2011).
  - Takebayashi & Moriyama “Analysis of the relationships between the properties of an urban heat canyon and its radiant environment from the viewpoint of the introduction of appropriate urban heat island mitigation technologies” SE-D-11-00819R1 (review: January 2012).
  - Taha “Potential air-temperature impacts of large-scale deployment of solar photovoltaic arrays in urban areas” SE-D-12-00477 (review: June 2012).
  - Popiel & Wojtkowiak “Natural ground temperature distributions” SE-D-12-00670 (review: August 2012).
  - Popiel & Wojtkowiak “Distribution of undisturbed ground temperatures at the region of Poznan City, Poland” SE-D-12-00670R1 (review: September 2012).
  - Gladen et al. “A study of the optical properties of a scattering, non-absorbing media with application to thermotropic materials” SE-D-13-00281 (review: April 2013).
  - Zagouras et al. “Determination of measuring sites for solar irradiance, based on cluster analysis of satellite-derived cloud estimations” SE-D-12-00397R3 (review: July 2013).

- Levinson et al. “Reflectometer measurement of roofing aggregate albedo” SE-D-13-00759 (review: July 2013).
- Matagne & Bachtiri “Exact analytical expression of the hemispherical irradiance on a slope plane from the Perez sky” SE-D-13-00848 (review: August 2013).
- Matagne & Bachtiri “Exact analytical expression of the hemispherical irradiance on a slope plane from the Perez sky” SE-D-13-00848R1 (review: October 2013).
- Haurant et al. “Territorial compensations of irradiance variations in Corsica: existence and optimization of the phenomenon using variations classification” SE-D-13-01140 (review: October 2013).
- Nonnenmacher et al. “Verification of the SUNY direct normal irradiance model with ground measurements” SE-D-13-00771R1 (review: October 2013).
- Datta “Modelling monthly average daily diffuse radiation for northern hemisphere” SE-D-14-00317 (review: April 2014).
- Gafurov et al. “Incorporating spatial correlation into stochastic generation of solar radiation data” SE-D-14-00378 (review: April 2014).
- Wojcicki “The typical day model” SE-D-14-00527 (review: June 2014).
- Wojcicki “The typical day model” SE-D-14-00527R1 (review: July 2014).
- Rehman & Siddiqui “A novel method for determining sky-view factor for isotropic diffuse radiation for a collector in obstacles free or urban sites” SE-D-14-01391 (review: November 2014).
- Srikrishnan et al. “Using multi-pyranometer arrays and neural networks to estimate direct normal irradiance” SE-D-14-01495 (review: December 2014).
- Gafurov et al. “Incorporating spatial correlation into stochastic generation of solar radiation data” SE-D-14-00378R1 (review: December 2014).
- Fernández-Peruchena et al. “Increasing the temporal resolution of direct normal solar irradiance series in different climatic zones” SE-D-14-01442 (review: December 2014).
- Gafurov et al. “Incorporating spatial correlation into stochastic generation of solar radiation data” SE-D-14-00378R2 (review: January 2015).
- Dugaria et al. “Assessment of estimation methods of DNI resource for solar concentrating systems” SE-D-15-00049 (review: January 2015).
- Fernández-Peruchena et al. “Increasing the temporal resolution of direct normal solar irradiance series in different climatic zones” SE-D-14-01442R1 (review: January 2015).
- Menyhart et al. “A new method for checking the leveling of the pyranometer” SE-D-15-00206 (review: March 2015).
- Zhu et al. “Semi-empirical model for clear-sky direct normal irradiance calculation” SE-D-15-00142 (review: May 2015).
- Menyhart et al. “A new method for checking the leveling of the pyranometer” SE-D-15-00206R1 (review: May 2015).
- Zhu et al. “Semi-empirical model for clear-sky direct normal irradiance calculation” SE-D-15-00142R1 (review: June 2015).
- Dugaria et al. “Assessment of estimation methods of DNI resource for solar concentrating systems” SE-D-15-00049R1 (review: July 2015).
- Tapakis et al. “Computations of diffuse fraction of global irradiance: Part 2 – Neural networks” SE-D-15-00550R1 (review: August 2015).
- Moreno-Tejera et al. “Solar resource assessment in Seville, Spain. Statistical characterization of solar radiation at different time resolutions” SE-D-15-01111 (review: September 2015).
- Sharma et al. “Choice of solar radiation data source for designing and performance appraisal of CSP systems in India: Comparing available radiation data sources” SE-D-15-01253 (review: October 2015).
- Sharma et al. “Choice of solar radiation data source for designing and performance appraisal of CSP systems in India: Comparing available radiation data sources” SE-D-15-01253R1 (review: November 2015).
- Moreno-Tejera et al. “Solar resource assessment in Seville, Spain. Statistical characterization of solar radiation at different time resolutions” SE-D-15-01111R1 (review: February 2016).
- Bilbao et al. “Influence of cloudiness on erythemal solar irradiance in Marsaxlokk, Malta: two cases studied” SE-D-16-00161 (review: March 2016).
- Liu et al. “Ensemble forecasting of solar irradiance by applying a mesoscale meteorological model” SE-D-16-01341 (review: April 2016).



- Chaiyapinunt et al. “A shadow-ring device for measuring diffuse solar radiation on a vertical surface in a tropical zone” SE-D-15-01368 (review: May 2016).
  - Chaiyapinunt et al. “A shadow-ring device for measuring diffuse solar radiation on a vertical surface in a tropical zone” SE-D-15-01368R1 (review: June 2016).
  - Bilbao et al. “Influence of cloudiness on erythemal solar irradiance in Marsaxlokk, Malta: two cases studied” SE-D-16-00161R1 (review: July 2016).
  - Liu et al. “Ensemble forecasting of solar irradiance by applying a mesoscale meteorological model” SE-D-16-01341R2 (review: July 2016).
  - Chaiyapinunt et al. “A shadow-ring device for measuring diffuse solar radiation on a vertical surface in a tropical zone” SE-D-15-01368R2 (review: July 2016).
  - Liu et al. “Ensemble forecasting of solar irradiance by applying a mesoscale meteorological model” SE-D-16-01341R3 (review: July 2016).
  - Simon-Martin et al. “Shadow-band radiometer measurement of diffuse solar irradiance: calculation of geometrical and total correction factors” SE-D-16-00982 (review: August 2016).
  - Simon-Martin et al. “Shadow-band radiometer measurement of diffuse solar irradiance: calculation of geometrical and total correction factors” SE-D-16-00982R1 (review: September 2016).
  - Rodriguez-Amigo et al. “Mathematical interpolation methods for spatial estimation of global horizontal irradiation in Castilla-Leon, Spain: a case study” SE-D-16-01641 (review: December 2016).
  - Maleki et al. “Estimation of hourly global solar radiation on inclined surface in a tropical country” SE-D-16-01535R2 (review: January 2017).
  - Rodriguez-Amigo et al. “Mathematical interpolation methods for spatial estimation of global horizontal irradiation in Castilla-Leon, Spain: a case study” SE-D-16-01641R1 (review: February 2017).
  - Brabec et al. “Statistical properties of clear and dark duration lengths” SE-D-17-00581 (review: April 2017).
  - Brabec et al. “Statistical properties of clear and dark duration lengths” SE-D-17-00581r1 (review: June 2017).
  - Jamaly & Kleissl “Spatiotemporal interpolation and forecast of irradiance data using kriging” SE-D-17-00400 (review: June 2017).
  - Fabian et al. “Monthly luminous efficacy models and illuminance prediction using ground-measured and satellite data” SE-D-17-01119R2 (review: July 2017).
  - Jamaly & Kleissl “Spatiotemporal interpolation and forecast of irradiance data using kriging” SE-D-17-00400R1 (review: August 2017).
  - Fabian et al. “Monthly luminous efficacy models and illuminance prediction using ground-measured and satellite data” SE-D-17-01119R3 (review: October 2017).
  - Fabian et al. “Monthly luminous efficacy models and illuminance prediction using ground-measured and satellite data” SE-D-17-01119R4 (review: December 2017).
  - Lytra et al. “Determination of diurnal daylight courses for a central European region” SE-D-17-02444 (review: February 2018).
  - Sartelet et al. “Representation of aerosol optical properties using a chemistry transport model to improve solar radiation modelling” SE-D-18-01493 (review: June 2018).
  - Blaga & Paulescu “Quantifiers for the irradiance variability: a new perspective” SE-D-18-01536 (review: July 2018).
3. ***Atmospheric Research (Elsevier):***
- Penaloza-Murillo “Radiative response of the sky and the surface during the solar eclipses of 1916 at Tucacas and 1998 in the Paraguana peninsula on the western Caribbean coast of Venezuela: an empirical estimation from meteorological observations” (review: March 2005).
  - Plana-Frattori et al. “Estimating atmospheric water vapor content and aerosol optical depth from multifilter rotating shadow-band radiometry at Sao Paulo, Brazil” (review: July 2003).
  - Chaabane “Direct solar radiation, atmospheric turbidity and climatic parameters for two Tunisian sites” ATMOSRES-D-06-00090 (review: March 2007).
  - Ellouz et al. “Study of the atmospheric turbidity over Tunisia” ATMOSRES-D-07-00064 (review: April 2007).
  - Wen and Yeh “Analysis of the atmospheric turbidity levels at Taichung Harbor near Taiwan Strait” ATMOSRES-D-08-00055 (review: April 2008)
  - Nastos and Zerefos “Spatial and temporal variability of consecutive dry and wet days in Greece” ATMOSRES-D-08-00264 (review: November 2008).

- Sharma et al. “Influence of emissions from biomass burning on urban air quality – a study over Hyderabad, India” ATMOSRES-D-09-00226 (review: June 2010).
  - Badarinath et al. “Influence of natural and anthropogenic emissions on aerosol optical properties over tropical urban site – a study using sky radiometer and satellite data” ATMOSRES-D-10-00374 (review: December 2010).
  - Bilbao et al. “Turbidity coefficients from normal direct solar irradiance in Central Spain” ATMOSRES-D-13-00312 (review: August 2013).
  - Bilbao et al. “Turbidity coefficients from normal direct solar irradiance in Central Spain” ATMOSRES-D-13-00312R1 (review: November 2013).
  - Vindel et al. “Stochastic model to describe atmospheric attenuation from yearly global solar irradiation” ATMOSRES-D-14-00144 (review: July 2014).
  - Vindel et al. “Stochastic model to describe atmospheric attenuation from yearly global solar irradiation” ATMOSRES-D-14-00144R1 (review: August 2014).
  - Brabec et al. “A new vision on the relationship between cloud shade and point cloudiness” ATMOSRES-D-15-00203 (review: June 2015).
  - Brabec et al. “A new perspective on the relationship between cloud shade and point cloudiness” ATMOSRES-D-15-00203R1 (review: October 2015).
  - Badescu et al. “Reconstruction of effective cloud fields geometry from series of sunshine number” ATMOSRES-D-16-00063 (review: February 2016).
4. ***Fresenius Environmental Bulletin (Parlar Scientific Publications):***
- Melas et al. “Calculation in real time of the dispersion of air pollutants from industrial stacks using a personal computer” FEB 256 (review: October 1997).
  - Makra et al. “Relationship between the Péczeley’s large-scale weather types and air pollution levels in Szeged, Southern Hungary” FEB-26-330 (review: October 2006, January 2007).
  - Paliatsos et al. Temporal variability of surface ozone at rural locations in Greece” F-27-080 (review: March 2007).
  - Kaldellis et al. “The contribution of renewable energy sources to reducing the air pollution in the Greek electricity generation sector” F-27-381 (review: November 2007).
  - Metaxas et al. “Contribution to the seasonal air temperature forecast in the northern hemisphere: a statistical approach” F-27-429 (review: December 2007).
  - Tzavelas and Paliatsos “A study of the distribution of the maximum daily precipitation totals in Athens, Greece” F-28-205 (review: August 2008).
  - Assael et al. “Applying Thermal Comfort Indexes to investigate aspects of the climate in Greece” F-2009-468 (review: January 2010).
5. ***Journal of Applied Meteorology (American Geophysical Union):***
- Melas and Lazaridis “A comparative study of air pollution potential in Athens area” GDW-125SI (review: May 1998).
6. ***Environmental Modelling and Software (Elsevier):***
- Badescu “Synthesis of short-term time series of daily averaged surface pressure on Mars” EMS146 JNL/2000/000129 (review: August 2000).
  - Kumar “Study of air quality at an industrial area in coastal India” EMS118 JNL/2000/000101 (review: November 2000).
  - Hatzianastassiou et al. “Extreme nitrogen oxide and ozone concentrations in Athens atmosphere in relation to meteorological conditions” EMAS 672 (review: January 2006).
  - Poupkou et al. “A model for European biogenic volatile organic compounds emissions: software development and first validation” ENVSOFT-D-10-00097 (review: March 2010).
7. ***Journal of Atmospheric and Solar-Terrestrial Physics (Elsevier):***
- Rahoma et al. “Spectral study of global solar radiation during the partial solar eclipse 11 August 1999 in Helwan, Egypt” JASTP-20097 (review: October 2000).
  - Tadros et al. “A comparative study on SPCTRAL2, SPCTR-1881 and SMARTS2 models using direct normal solar irradiance in different bands for Cairo and Aswan in Egypt” ATP488 (review: September 2004).
  - Perez-Burgos et al. “An evaluation of solar illuminance and irradiance measurements at Valladolid (Spain)” ATP867 (review: May 2006).
  - Perez-Burgos et al. “An evaluation of solar illuminance and irradiance measurements at Valladolid (Spain)” ATP867R1 (review: January 2007).
  - Li and Tang “Standard skies classification in Hong Kong” ATP1178 (review: August 2007).

- Nymphas et al. "Impact of the total solar eclipse of 29 March 2006 on the surface energy fluxes at Nigeria micrometeorological experiment (NIMEX-3) site, Ibadan, Nigeria" ATP2890 (review: September 2011).
  - Nymphas et al. "Impact of the total solar eclipse of 29 March 2006 on the surface energy fluxes at Nigeria micrometeorological experiment (NIMEX-3) site, Ibadan, Nigeria" ATP2890R1 (review: February 2012).
  - Badescu & Dumitrescu "The CMSAF hourly solar irradiance database (product CM54), accuracy and bias corrections" ATP3316 (review: October 2012).
  - Badescu & Dumitrescu "The CMSAF hourly solar irradiance database (product CM54), accuracy and bias corrections" ATP3316R1 (review: December 2012).
  - Pepaloza-Murillo & Pasachoff "Air-cooling mathematical analysis as inferred from the air temperature observation during the 1<sup>st</sup> total occultation of the Sun of the 21<sup>st</sup> century in June 21, 2001, at Lusaka, Zambia" ATP3662 (review: August 2014).
  - Shirodkar & Menon "Microphysical characteristics of aerosol over a coastal site in Goa, along the west coast of India" ATP4065 (review: December 2014).
  - Badescu & Dumitrescu "Simple models to compute solar global irradiance from the CMSAF products cloud fraction coverage (iCFC) and cloud type (iCTY)" ATP4034 (review: December 2014).
  - Shirodkar & Menon "Microphysical characteristics of aerosol over a coastal site in Goa, along the west coast of India" ATP4065R1 (review: March 2015).
  - Das et al. "Estimation of available global solar radiation using sunshine hours over S. Korea" ATP4137 (review: April 2015).
  - Das et al. "Estimation of available global solar radiation using sunshine hours over S. Korea" ATP4137R1 (review: July 2015).
8. **Energy (Elsevier):**
- Ruiz et al. "Assessment of the Olmo model for hourly global solar irradiance measurements on vertical surfaces facing north, south, east and west" EGY/2000/000155 (review: October 2000).
  - Ecevit et al. "Generating TMY2 using bright sunshine duration instead of global solar radiation" EGY/2001/000025 (review: March 2001).
  - Sahin et al. "Artificial neural network-Kalman filtering approach for solar irradiation estimation" EGY/2003/000309 (review: May 2004).
  - Altunkayank et al. "Artificial neural network-Kalman filtering approach for solar irradiation estimation" EGY/2003/309 (review: August 2005).
  - Suri et al. "Potential of solar electricity generation in the European Union member states and candidate countries" EGY-D-05-00106 (review: November 2005).
  - Sabziparvar et al. "Estimation of global solar energy in arid and semi-arid climates in East and West Iran" EGY-D-06-00088 (review: March 2006).
  - Khalil and Galal "Investigation of energy loss of solar radiation in the atmosphere over Egypt" EGY-D-07-00057 (review: March 2007).
  - Saffaripour and Mehrabian "Multiple regression and correlation analysis of global solar radiation flux" EGY-D-08-00194 (review: July 2008).
  - Ahmad and Tiwari "Evaluation of atmospheric transmittance for composite climate" EGY-D-08-00258 (review: July 2008).
  - Chang "A mathematical approach for estimating solar radiation" EGY-D-08-00336 (review: November 2008).
  - Chenni et al. "Study of solar radiation in view of optimization of photovoltaic systems" EGY-D-09-00636 (review: November 2009).
  - Klaric and Kuzle "Wind power forecasting using cascade-correlating neural networks" EGY-D-08-00575 (review: May 2009).
  - Ayombe et al. "Validated real-time energy model for small-scale grid-connected PV systems" EGY-D-10-00027 (review: March 2010).
  - Muzathik et al. "Estimation of monthly average daily global solar radiation for Terengganu state of Malaysia" EGY-D-10-00251 (review: August 2010).
  - Lim and Jeong "Wind energy estimation of the Wol-Ryong coastal region" EGY-D-10-00415 (review: September 2010).
  - Muzathik et al. "Estimation of monthly average daily global solar radiation for Terengganu state of Malaysia" EGY-D-10-00251R1 (review: October 2010).
  - Lim and Jeong "Wind energy estimation of the Wol-Ryong coastal region" EGY-D-10-00415R1 (review: September 2010).

- Muzathik et al. “Estimation of global solar irradiation and inclined surfaces based on the horizontal measurements for state of Terengganu, Malaysia” EGY-D-10-00251R2 (review: October 2010).
- Martinez-Chico et al. “Cloud cover classification from radiation data and sky images: application to a Mediterranean location” EGY-D-10-01032 (review: eceember 2010).
- Martinez-Chico et al. “Cloud classification in a Mediterranean location using radiation data and sky images» EGY-D-10-01032R1 (review: March 2011).
- Katiyar and Padney “A review of solar radiation models – Part I”, EGY-D-11-00515 (review: May 2011).
- Li et al. “Calculating the diffuse solar radiation in regions without radiation”, EGY-D-11-01795 (review: January 2012).
- Li et al. “A study on the global solar radiation over the Qinghai-Tibetan Plateau during the 40 past years”, EGY-D-12-00363 (review: April 2012).
- Li et al. “Calculating the diffuse solar radiation in regions without radiation”, EGY-D-11-01795R1 (review: April 2012).
- Li et al. “Calculating the diffuse solar radiation in regions without radiation”, EGY-D-11-01795R1 (review: April 2012).
- Escrig et al. “Cloud detection, classification and motion estimation using geostationary satellite imagery for cloud cover forecast”, EGY-D-12-1541 (review: August 2012).
- Li et al. “Predicting daylight illuminance and solar irradiance on inclined surfaces based on classified standard skies”, EGY-D-12-02203 (review: November 2012).
- Escrig et al. “Cloud detection, classification and motion estimation using geostationary satellite imagery for cloud cover forecast”, EGY-D-12-02493 (review: January 2013).
- Li et al. “Predicting daylight illuminance and solar irradiance on inclined surfaces based on classified standard skies”, EGY-D-12-02203R1 (review: February 2012).
- Rusen et al. “Estimation of daily global solar irradiation by coupling the ground measurements of bright sunshine hours to the satellite imagery”, EGY-D-13-00194R1 (review: March 2013).
- Rusen et al. “Estimation of daily global solar irradiation by coupling the ground measurements of bright sunshine hours to the satellite imagery”, EGY-D-13-00194 (review: April 2013).
- Manoel Dos Santos et al. “On modeling the global solar irradiation using air temperature for Alagoas State, Northeastern Brazil”, EGY-D-13-01526 (review: July 2013).
- Alosno et al. “Processing of sky camera imagery based on a sky classification using radiometric data”, EGY-D-13-02659 (review: December 2013).
- Alosno et al. “Sky camera imagery processing based on a sky classification using radiometric data”, EGY-D-13-02659R1 (review: January 2014).
- Akarlan et al. “A new approach for hourly solar radiation forecasting”, EGY-D-14-00159 (review: February 2014).
- Manoel Dos Santos et al. “On modeling the global solar irradiation using air temperature for Alagoas State, Northeastern Brazil”, EGY-D-13-01526R1 (review: February 2014).
- Alonso et al. “Short and medium-term cloudiness forecasting using remote sensing techniques and sky camera imagery”, EGY-D-14-00805 (review: April 2014).
- Tejada-Martinez & Lopez-Velazquez “Polynomial estimation of diffuse solar radiation in a tropical, mountaineous and humid place (Xapala, Mexico)”, EGY-D-14-01159 (review: May 2014).
- Akarlan et al. “A novel multi-dimensional (M-D) linear prediction filter approach for hourly solar radiation forecasting”, EGY-D-14-00159 (review: May 2014).
- Alonso et al. “Short and medium-term cloudiness forecasting using remote sensing techniques and sky camera imagery”, EGY-D-14-00805R1 (review: June 2014).
- Liu et al. “Changes in the relationship between solar radiation and sunshine hours in large cities of China”, EGY-D-14-02567 (review: September 2014).
- Wang et al. “An improved method for estimating the Ångström turbidity coefficient  $\beta$  in central China during 1961-2010”, EGY-D-14-03117 (review: October 2014).
- Wang et al. “An improved method for estimating the Ångström turbidity coefficient  $\beta$  in central China during 1961-2010”, EGY-D-14-03117R1 (review: November 2014).
- Mohammadi et al. “Predicting the wind power density based upon Extreme Learning Machine”, EGY-D-14-03851 (review: December 2014).
- Liu et al. “Changes in the relationship between solar radiation and sunshine hours in large cities of China”, EGY-D-14-02567R1 (review: December 2014).
- Nikitidou et al. “Retrieval of surface solar irradiance based On satellite-derived cloud information in Greece” EGY-D-15-00550 (review: March 2015).
- Dabanli et al. “Solar irradiation calculation using multiple probability d3ensity function (MPDF)” EGY-D-15-00734 (review: March 2015).

- Mohammadi et al. “Predicting the wind power density based upon Extreme Learning Machine”, EGY-D-14-03851R1 (review: March 2015).
  - Cheng & Yu “Multi-model solar irradiance prediction based on automatic cloud classification”, EGY-D-15-01087 (review: April 2015).
  - Nikitidou et al. “Retrieval of surface solar irradiance based on satellite-derived cloud information in Greece” EGY-D-15-00550R1 (review: June 2015).
  - Cheng & Yu “Multi-model solar irradiance prediction based on automatic cloud classification”, EGY-D-15-01087R1 (review: June 2015).
  - Gama et al. “Generation of solar radiation maps for various applications in Algerian climatic conditions”, EGY-D-16-00065 (review: February 2016).
  - Demicran & Kecebas “Comparison of existing and new models for estimating global solar radiation in Mugla, Turkey”, EGY-D-16-02590 (review: July 2016).
  - Baser & Demirhan “A fuzzy regression with support vector machine approach to the estimation of horizontal global solar radiation”, EGY-D-16-04662 (review: November 2016).
  - Baser & Demirhan “A fuzzy regression with support vector machine approach to the estimation of horizontal global solar radiation”, EGY-D-16-04662R1 (review: February 2017).
  - Feng et al. “Estimation of daily net radiation using artificial intelligence models across different climatic zones of China”, EGY-D-16-05021 (review: February 2017).
  - Li et al. “Assessment of onshore wind energy potential under different geographical climate conditions in China” EGY-D-17-05349 (review: December 2017).
9. ***Environmental Technology (Taylor and Francis):***
- Bartzokas et al. “Air pollution levels in Athens, Greece, during objectively-defined weather types” (review: November 2002).
10. ***Journal of the Air and Waste Management Association (Air and Waste Management Association):***
- Vingarzan “Temporal variation in daily concentrations of ozone and acid related substances at Saturna Island, British Columbia” AW-03-00055 (review: November 2003).
  - Robinson et al. “Refinery evaluation of optical imaging to locate fugitive emissions” AW-05-00228 (review: December 2005).
  - Hashmonay “A method for locating gaseous emission hot spots using optical remote sensing” AW-07-00077 (review: April 2007).
  - Robinson et al. “The application of the differential absorption LIDAR (DIAL) technique to the remote measurement of pollutants and greenhouse gases in the troposphere” AW-09-00200 (review: December 2009).
  - Hogrefe et al. “Space-time analysis of AQMEII phase 1 air quality simulations” UAWM-2013-0015 (review: February 2013).
  - Hogrefe et al. “Space-time analysis of AQMEII phase 1 air quality simulations” UAWM-2013-0015.R1 (review: May 2013).
  - Daulbayeva et al. “Dependence of areal atmospheric air pollution from complex landscape terrain (on the example of Kazakhstan cities)” UAWM-2015-0029 (review: March 2015).
11. ***Water, Air and Soil Pollution (Springer):***
- Kassomenos “Socioeconomic aspects in an extended contemporary city. How we can approach them by using a pollutant as indicator” WATE4702 (review: July 2004).
  - Papanastasiou and Melas “Application of PM10’s statistical distribution to air quality management - a case study in central Greece” WATE3649 (review: April 2009).
12. ***Lighting Research and Technology (SAGE):***
- Iliadis “The natural lighting in the dome of the rotunda at Thessaloniki” L719 (review: October 2004).
  - Moeck & Anaokar “Illuminance analysis from high dynamic range images” L777 (review: June 2005).
  - Brown “A physical model of the atmospheric aerosol turbidity for daylight modelling in cities L780 (review: July 2005).
13. ***Building and Environment (Elsevier):***
- Asif et al. “Life cycle assessment: a case study of a dwelling home in Scotland” 04/1210 (review: May 2005).
14. ***International Journal of Environment and Pollution (Interscience Publishers):***
- “Efficiency study and comparison of a system of objective air mass types and the Pészely’s weather types in classifying levels of the main air pollutants for Szeged, Hungary” (review: November 2005).
  - “Electronic fuel injection – a solution for emission reduction” (review: October 2005).

- “Optimal design of a single inclined tray settling chamber - an air pollution control device” (review: October 2005).
  - “Frequency distribution of the boundary layer height in an urban environment” (review: September 2007).
15. ***Environmental Monitoring and Assessment (Springer):***
- Hatzianastassiou et al. “Extreme nitrogen oxide and ozone concentrations in Athens atmosphere in relation to meteorological conditions” EMAS672 (review: January 2006).
  - Paschalidou et al. “A comparative study on various statistical techniques predicting ozone concentrations: implications to environmental management” EMAS1933 (review: September 2007).
  - Karathanasis et al. “On the suitability of simple statistical parameters to characterize air pollution levels” EMAS10186 (review: February 2012).
  - Chung et al. “On episodes of dust storms and anthropogenic dustfalls observed in central Korea in 2009” EMAS-D-12-11784 (review: November 2012).
  - Proias et al. “Ambient PM<sub>2.5</sub> concentrations within the Greater Athens Area, Greece” EMAS-D-12-12050 (review: January 2013).
  - Belaidi et al. “Optical behaviour of desert dust in the Mediterranean region” EMAS-D-17-01326 (review July 2018).
16. ***International Journal of Global Environmental Issues (Interscience Publications):***
- Schuiling et al. “Aims, obstacles and potential stakeholders of macro-engineering projects” (review: May 2006).
17. ***Journal of Applied Remote Sensing (SPIE):***
- Wang et al. “Diurnal cycles in Arctic surface radiative fluxes in a blended satellite-climate re-analysis data set” JARS 06012 (review: April 2007).
  - Wang et al. “Diurnal cycles in Arctic surface radiative fluxes in a blended satellite-climate re-analysis data set” JARS 06012R (review: July 2007).
  - Foster et al. “Spin-image target detection algorithm applied to low density 3D point clouds” JARS 07141 (review: June 2008).
  - Yang et al. “Infrared radiation signature measurement using 3-5 um medium wave infrared MWIR thermal imager” JARS 16628 (review: September 2016).
  - Wang et al. “Infrared radiation signature measurement using 3-5 um medium wave infrared MWIR thermal imager” JARS 16628R (review: November 2016).
18. ***International Journal of Climatology (Wiley):***
- Bilbao et al. “Analysis, variability and attenuation of UV-B solar irradiance in Central Spain” JOC-07-0093 (review: May 2007).
  - Li et al. “Classification of CIE Standard Skies using artificial neural networks” JOC-08-0283 (review: December 2008).
  - Cobaner et al. “Estimation of mean monthly air temperatures in Turkey” JOC-12-0124 (review: April 2012).
  - Dumitrescu et al. “Value and limitations of sunshine duration to reconstruct historical aerosol optical depth time series over Romania from a climate perspective” JOC-16-0874 (review: January 2017).
  - Wang et al. “Assessing the variation trend of solar radiation in East Asia during 1961-2010” JOC-17-0781 (review: November 2017).
19. ***Boreal Environment Research (Boreal Environment Network):***
- Kannel et al. “A simple broadband parameterisation of spectral aerosol optical depth” A3-2008 (review: January 2008).
20. ***Geophysical Research Letters (American Geophysical Union):***
- Badarinath et al. “LIDAR observations of long range transport of aerosols from agriculture crop residue burning in Indo-Gangetic Plains” 2008-GL-033-198 (review: February 2008).
21. ***Environmetrics (Wiley):***
- Láska et al. “Prediction of erythemally effective UV radiation by means of nonlinear regression model” (review: March 2008).
22. ***Polish Journal of Environmental Science (HR):***
- Majewski and Przewozniczuk “Air pollution with PM<sub>10</sub> particulate matter on the area of Warsaw agglomeration (Poland)” (review: May 2008).
  - Figurski et al. “COAMPS in Polish environmental studies” (review: May 2008).
  - Ćwiklak et al. “The influence of traffic on particle-phase Polycyclic Aromatic Hydrocarbons (PAHs) in the urban atmosphere in Zabrze, Upper Silesia, Poland” (review: November 2008).

- Alkama et al. “Air pollution in Bejaia city (Algeria): measures and forecasts” (review: November 2008).
  - Chang et al. “Environmental issues for cities in China: SO<sub>2</sub> emission and population distribution” (review: January 2009).
  - Ukpebor et al. “Diurnal variations of carbon monoxide (CO) pollution from motor vehicles in an urban centre in Nigeria using a CO dosimeter” (review: July 2009).
  - Czarnańska and Nidzgorzka–Lencewicz “Impact of weather conditions on urban air quality in the winter and summer of anomalous year 2006 in Poland” 229/2009 (review: December 2009).
  - Zwodziak et al. “Air pollution origin using PM10 and carbon dioxide isotopic analyses” 29/2010 (review: March 2010).
  - Wieszala and Gajdzik “Identification of the exploitation dust in road dust – results of direct tests” 96/2010 (review: July 2010).
  - Majewski et al. “Seasonal variation of particulate matter concentration and composition in the area of Warsaw agglomeration, Poland” 171/2010 (review: July 2010).
  - Majewski et al. “Seasonal variation of particulate matter mass concentration and content of metals in the area of Warsaw, Poland” 171/2010 (review: October 2010).
  - Mozdziej et al. “Benzo(a)pyrene emission in the cities of the Upper Silesia industrial area in southern Poland: 1980-2005” 300/2010 (review: January 2011).
  - Ahmadi and Mahmoudi “Trend of Tehran air quality index (AQI) during 2000-2009” 18/2011 (review: March 2011).
  - Vidosavljevic et al. “Environmental pollution long-term consequence of war in East Croatia” 84/2011 (review: May 2011).
  - Aydin et al. “Chemical characteristics of settled particles during dust storm” 108/2011 (review: June 2011).
  - Narozny et al. “Particulate matter – invisible air pollution” 235/2011 (review: November 2011).
  - Sielicki et al. “Analysis of atmospheric particulate matter from Gdansk and Basingstoke with the use of SEM and computed back-trajectories” 65/2012 (review: June 2012).
  - Hou et al. “Nitrogen and phosphorous in atmospheric deposition and roof runoff in Beijing, China” 69/2012 (review: July 2012).
  - Llanes-Cardenas et al. “CORDEX-NA: Atmospheric and oceanic conditions of the Pacific that induce wet and dry monsoons in the North American monsoon” PJOES-00695-2017-01 (review: June 2017).
  - Llanes-Cardenas et al. “CORDEX-NA: Atmospheric and oceanic conditions of the Pacific that induce wet and dry monsoons in the North American monsoon” PJOES-00695-2017-02 (review: July 2017).
  - Moeinian et al. “Analysis of PM2.5 changes correlation with the rate of stroke mortality in Mashhad metropolis during the years 2014 and 2015” PJOES-01521-2017-01 (review: October 2017).
  - Liu et al. “Effect of aspect – sunny or shady – of slope on phases of precipitation in the Tianshan Mountains, China” PJOES-02193-2017-01 (review: January 2018).
  - Liu et al. “Effect of sunny/shady slopes on phases of precipitation in the Tianshan Mountains, China” PJOES-02193-2017-02 (review: March 2018).
23. ***Atmospheric Science Letters (Wiley):***
- Badarınath et al. “Black carbon (BC) aerosol mass concentration variations in urban and rural environments of India - A case study” ASL-08-046 (review: November 2008).
  - Lee et al. “Assessment of medium-range ensemble forecasts of heat wave” ASL-15-042 (review: May 2015).
24. ***Meteorological Applications (Wiley):***
- Mangia et al. “A numerical study of the effect of the sea breeze circulations on photochemical pollution over a highly industrialised peninsula” MET-08-0080 (review: November 2008).
  - Rizza et al. “Large-Eddy Simulation of the planetary boundary layer under baroclinic conditions during daytime and sunset turbulence” MET-11-0065 (review: July 2011).
  - Rizza et al. “Large-Eddy Simulation of the planetary boundary layer under baroclinic conditions during daytime and sunset turbulence” MET-11-0065R1 (review: August 2011).
25. ***Annales Geophysicae (European Geophysical Union):***
- El-Aksary et al. “Transport of dust and anthropogenic aerosols across Alexandria, Egypt” Angeo-2009-30 (review: April 2009).
  - Goto et al. “Simulation of aerosol optical properties over a tropical urban site in India using a global model and its comparison with ground measurements”, angeo-2010-227 (review: January 2011).

- Goto et al. “Simulation of aerosol optical properties over a tropical urban site in India using a global model and its comparison with ground measurements”, angeo-2010-227-R1 (review: March 2011).
- Cadet et al. “Comparison of ground-based and satellite-derived solar ultraviolet radiation levels at 6 S. Africa sites” angeo-2016-119 (review: July 2017).
- 26. ***Natural Hazards and Earth System Sciences (European Geophysical Union):***
  - Tzavelas et al. “Models for exceedances over high thresholds of the precipitation totals over Athens, Greece” NHESS-2009-108 (review: May 2009).
- 27. ***Indian Journal of Radio and Space Physics (NISCAIR Publications):***
  - Kane “Ozone depletion, worst not yet over” RSP-514-2009 (review: May 2009).
- 28. ***International Journal of Biometeorology (Springer):***
  - Papanastasiou et al. “Temperature, comfort and pollution levels during heat waves and the role of sea breeze” IJBM-D-09-00105 (review: July 2009).
- 29. ***Advances in Geosciences (European Geophysical Union):***
  - Nastos and Zerefos “Cyclic modes of the intra-annual variability of precipitation in Greece” (review: December 2009).
- 30. ***Optical Engineering (SPIE):***
  - Chen et al. “Microstructured design for light trapping on thin film silicon solar cells” OE 100162 (review: April 2010).
  - Xing et al. “A model for correcting global solar irradiance measured with rotating shadowband radiometer” OE 111262 (review: October 2011).
  - Xing et al. “A model for correcting global solar irradiance measured with rotating shadowband radiometer” OE 111262R (review: December 2011).
  - Yoon et al. “Window material daylighting performance assessment algorithm: computing radiosity and split-flux methods” OE 140012 (review: January 2014).
- 31. ***Journal of Geophysical Research – Atmospheres (American Geophysical Union):***
  - Miguel et al. “Measurements, analysis and attenuation of erythemal ultraviolet solar radiation in central Spain” 2010JD014731 (review: August 2010).
  - Bilbao et al. “A new method for long-term erythemal irradiance data reconstruction from total solar irradiance and radiative transfer model” 2010JD01520 (review: November 2010).
  - Nair et al. “Simulation of South Asian aerosols for regional climate studies” 2011JD01671 (review: July 2011).
  - Nair et al. “Simulation of South Asian aerosols for regional climate studies” 2011JD01671R1 (review: November 2011).
  - Srivastava et al. “Seasonal variability in aerosol optical properties and associated radiative forcing effects over Manora Peak in the foothills of Himalayas” 2013JD019475 (review: February 2013).
  - Srivastava et al. “Seasonal variability in aerosol optical properties and associated radiative forcing effects over Manora Peak in the foothills of Himalayas” 2013JD020220 (review: June 2013).
- 32. ***Asia-Pacific Journal of Atmospheric Sciences (Springer):***
  - “An evaluation of an automated method of MFSRS to retrieve high cloud optical depth over the United States” 20100035 (review: November 2010).
- 33. ***Meteorology and Atmospheric Physics (Springer):***
  - Badescu and Paulescu “Autocorrelation properties of the sunshine number and sunshine stability number”, MAP-D-10-00047 (review: December 2010).
  - Badescu and Paulescu “Autocorrelation properties of the sunshine number and sunshine stability number”, MAP-D-10-00047R1 (review: February 2011).
  - Badescu and Dimitrescu “CMSAF products cloud fraction coverage and cloud type used for solar global irradiance estimation”, MAAP-D-15-00099 (review: July 2015).
  - Badescu and Dimitrescu “CMSAF products cloud fraction coverage and cloud type used for solar global irradiance estimation”, MAAP-D-15-00099R1 (review: October 2015).
- 34. ***Renewable Energy (Elsevier):***
  - Zawilksa and Brooks “An assessment of the solar resource for Durban, South Africa” RENE-D-10-01227 (review: December 2010).
  - Zawilksa and Brooks “An assessment of the solar resource for Durban, South Africa” RENE-D-10-01227R1 (review: February 2010).



- Ramirez-Faz and Lopez-Luque “Developemnt of a methodology for quantifying insolation variables in windows and building openings” RENE-D-11-00058 (review: March 2011).
- Ramirez-Faz and Lopez-Luque “Developemnt of a methodology for quantifying insolation variables in windows and building openings” RENE-D-11-00058R1 (review: May 2011).
- Notton et al. “Neural network approach to estimate 10-minutes solar global irradiation on tilted planes” RENE-D-12-00508 (review: May 2012).
- Notton et al. “Neural network approach to estimate 10-minutes solar global irradiation on tilted planes” RENE-D-12-00508R1 (review: July 2012).
- David et al. “Evaluating tilted plane models for solar radiation using comprehensive testing procedures at a southern hemisphere location” RENE-D-12-01104 (review: August 2012).
- Chaiwiwatworakul & Chirarattananon “Luminous efficacies of global and diffuse horizontal irradiances in a tropical region” RENE-D-12-01056 (review: September 2012).
- Chaiwiwatworakul & Chirarattananon “Luminous efficacies of global and diffuse horizontal irradiances in a tropical region” RENE-D-12-01056R1 (review: October 2012).
- Vernay et al. “Characterizing measurement campaigns for an innovative calibration apparoach of the global horizontal irradiation estimated by HelioClim-3” RENE-D-12-01782 (review: November 2012).
- Jamil et al. “Empirical correlation of estimating global solar radiation using meteorological parameters” RENE-D-12-01956 (review: January 2013).
- Tapakis & Charalambides “Very high values of global irradiance due to cloud enhancement in Eastern Mediterranean” RENE-D-13-00238 (review: March 2013).
- Zhang et al. “A computational statistical model for sub-hourly solar radiation forecasting” RENE-D-13-00506 (review: June 2013).
- Tapakis & Charalambides “Enhanced values of global irradiance due to the presence of clouds in Eastern Mediterranean” RENE-D-13-00238R1 (review: June 2013).
- Wu et al. “Prediction of hourly solar radiation with genetic approach combined multi-model framework” RENE-D-13-00762 (review: August 2013).
- Nikitidou al. “The aerosol effect on direct normal irradiance in Europe under cloud-free skies” RENE-D-13-01589 (review: September 2013).
- Wu et al. “Prediction of hourly solar radiation with genetic approach combined multi-model framework” RENE-D-13-00762R1 (review: September 2013).
- Nikitidou al. “The aerosol effect on direct normal irradiance in Europe under cloud-free skies” RENE-D-13-01589R1 (review: November 2013).
- Nikitidou al. “The aerosol effect on direct normal irradiance in Europe under cloud-free skies” RENE-D-13-01589R2 (review: February 2014).
- Pusat al. “Generation of typical meteorological year for different climates of Turkey” RENE-D-13-02480 (review: March 2014).
- Pusat al. “Generation of typical meteorological year for different climates of Turkey” RENE-D-13-02480R1 (review: May 2014).
- Mghouchi et al. “Estimated the direct, diffuse and global solar flux of Tetouan City in northern Marocco for clear sky” RENE-D-14-00655 (review: June 2014).
- Pusat al. “Generation of typical meteorological year for different climates of Turkey” RENE-D-13-02480R2 (review: July 2014).
- Rezrazi al. “An optimisation methodology of artificial neural networks models for predicting solar radiation: a case study” RENE-D-14-01133 (review: July 2014).
- Razavieh al. “Worldwide wind energy status and the characteristics of wind energy in Iran, case study: the province of Sistan-Baluchestan” RENE-D-14-00955 (review: August 2014).
- Khan al. “Evaluation of wind energy potential alongside motorways: a case of Pakistan” RENE-D-14-00936 (review: August 2014).
- Gualtieri “Surface turbulence intensity as a predictor of extrapolated wind resource to the turbine hub height” RENE-D-14-01083 (review: September 2014).
- Johnson & Erhardt “Projected impacts of climate change on wind energy density in the United States” RENE-D-14-01569 (review: October 2014).
- Luo et al. “Integral reflectivity in urban areas based on multiple reflections” RENE-D-14-02007 (review: October 2014).

- Carrasco-Diaz et al. “An assessment of wind power potential along the coast of Tamaulipas, northeastern Mexico” RENE-D-14-01330 (review: November 2014).
- Kaushik & Rafiuden “Wind energy resource assessment for the Fiji islands: Kadavu island and Suva peninsula” RENE-D-14-01799 (review: November 2014).
- Lin et al. “Estimation of atmospheric turbidity over Zhengzhou, China during 1960-2013” RENE-D-14-02215 (review: December 2014).
- Gualtieri “Surface turbulence intensity as a predictor of extrapolated wind resource to the turbine hub height” RENE-D-14-01083R1 (review: December 2014).
- Carrasco-Diaz et al. “An assessment of wind power potential along the coast of Tamaulipas, northeastern Mexico” RENE-D-14-01330R1 (review: December 2014).
- Luo et al. “Integral albedo in urban areas based on multiple albedos” RENE-D-14-02007R1 (review: January 2015).
- Pedro & Coimbra “Nearest-neighbor methodology for prediction of intra-hour global horizontal irradiance and direct normal irradiance” RENE-D-15-00087 (review: January 2015).
- Pedro & Coimbra “Nearest-neighbor methodology for prediction of intra-hour global horizontal irradiance and direct normal irradiance” RENE-D-15-00087R1 (review: February 2015).
- Doucoure et al. “Time series prediction using artificial wavelet neural network and multi-resolution analysis” RENE-D-15-002555 (review: March 2015).
- Luo et al. “Integral albedo in urban areas based on multiple albedos” RENE-D-14-02007R2 (review: March 2015).
- Luo et al. “Integral reflectivity in urban areas based on multiple reflections” RENE-D-14-02007R2 (review: April 2015).
- Simões & Estanqueiro “A new methodology for urban wind resource assessment” RENE-D-15-00442 (review: May 2015).
- Pishgar-Komleh et al. “Wind energy potential assessment in Zabol, Iran” RENE-D-15-00442 (review: May 2015).
- Johnson & Erhardt “Projected impacts of climate change on wind energy density in the United States” RENE-D-14-01569R1 (review: June 2015).
- Nonnenmacher et al. “Day-ahead resource forecasting for concentrated solar power integration” RENE-D-14-00909 (review: June 2015).
- Nonnenmacher et al. “Day-ahead resource forecasting for concentrated solar power integration” RENE-D-14-00909R1 (review: August 2015).
- Kaushik & Rafiuden “Wind energy resource assessment for the Fiji islands: Kadavu island and Suva peninsula” RENE-D-14-01799R1 (review: September 2015).
- Kaplanis et al. “On a universal model for the prediction of the daily global solar radiation” RENE-D-15-01802 (review: September 2015).
- Gokcek et al. “Determination of Weibull parameters for wind power exploitation in Izmir-Aliaga, Turkey” RENE-D-15-01594 (review: October 2015).
- Simões & Estanqueiro “A new methodology for urban wind resource assessment” RENE-D-15-00442R1 (review: October 2015).
- Pashiardis & Kalogirou “Quality control of solar shortwave and terrestrial longwave radiation for surface radiation measurements at two sites in Cyprus” RENE-D-15-02172 (review: November 2015).
- Kaplanis et al. “On a universal model for the prediction of the daily global solar radiation” RENE-D-15-01802R1 (review: December 2015).
- Durna et al. “PV power generation for different seasons and stages depending on meteorological variables” RENE-D-16-00033 (review: February 2016).
- Pashiardis & Kalogirou “Quality control of solar shortwave and terrestrial longwave radiation for surface radiation measurements at two sites in Cyprus” RENE-D-15-02172R1 (review: February 2016).
- Liu et al. “Variogram time series analysis of wind speed” RENE-D-16-00337 (review: April 2016).
- Petrzala et al. “An advanced clear-sky model for more accurate irradiance and illuminance predictions for arbitrarily oriented inclined surfaces” RENE-D-16-01012 (review: May 2016).
- Liu et al. “Variogram time series analysis of wind speed” RENE-D-16-00337R1 (review: June 2016).
- Cao et al. “Evaluation of diffuse solar radiation models in N. China: new model establishment and radiation sources comparison” RENE-D-16-01383 (review: June 2016).

- Bertrand & Jourée “Erratum to “Evaluation of different models to estimate the global solar radiation on inclined surfaces” *Ren. Energy* 50 (2013) 710-721” RENE-D-16-01789 (review: July 2016).
  - Bahrami “Assessment of collectible solar energy on fixed, single and dual-axis solar tracking panels in Nigeria” RENE-D-16-01614 (review: July 2016).
  - Petrzala et al. “An advanced clear-sky model for more accurate irradiance and illuminance predictions for arbitrarily oriented inclined surfaces” RENE-D-16-01012R1 (review: July 2016).
  - Cao et al. “Evaluation of diffuse solar radiation models in N. China: new model establishment and radiation sources comparison” RENE-D-16-01383R1 (review: September 2016).
  - Marzo et al. “Daily global solar radiation estimation in desert areas using daily extreme temperatures and extraterrestrial radiation” RENE-D-16-02177 (review: October 2016).
  - Cesar de Andrade & Tibe “SUNCLOUD-E: software for the study and identification of cloud-produced lens effects in global solar radiation” RENE-D-16-02711 (review: October 2016).
  - Cao et al. “Evaluation of diffuse solar radiation models in N. China: new model establishment and radiation sources comparison” RENE-D-16-01383R2 (review: November 2016).
  - Baser & Demirhaqn “A fuzzy regression with support vector machine approach to the estimation of horizontal global solar radiation” RENE-D-16-04662 (review: November 2016).
  - Marzo et al. “Daily global solar radiation estimation in desert areas using daily extreme temperatures and extraterrestrial radiation” RENE-D-16-02177R1 (review: November 2016).
  - Lemos et al. “Assessment of solar radiation components in Brazil using the BRL model” RENE-D-16-03077 (review: December 2016).
  - Cornejo et al. “A thorough analysis of solar irradiation measurements in the Region of Arica Parinacota, Chile” RENE-D-16-03420 (review: January 2017).
  - Lemos et al. “Assessment of solar radiation components in Brazil using the BRL model” RENE-D-16-03077R1 (review: February 2017).
  - Kalogirou et al. “Statistical analysis and inter-comparison of erythemal solar radiation for Athelassa and Larnaca, Cyprus” RENE-D-17-00274 (review: March 2017).
  - Cornejo et al. “A thorough analysis of solar irradiation measurements in the Region of Arica Parinacota, Chile” RENE-D-16-03420R1 (review: March 2017).
  - Kalogirou et al. “Statistical analysis and inter-comparison of erythemal solar radiation for Athalassa and Larnaca, Cyprus” RENE-D-17-00274R1 (review: April 2017).
  - Bailek et al. “A new empirical model for forecasting the diffuse solar radiation over Saharan Medium Algerian Big South” RENE-D-17-01695 (review: July 2017).
  - Bailek et al. “A new empirical model for forecasting the diffuse solar radiation over Saharan Medium Algerian Big South” RENE-D-17-01695R1 (review: August 2017).
  - Akarlam et al. “Novel short-term solar irradiance forecasting models” RENE-D-17-03634 (review: December 2017).
  - Akarlam et al. “Novel short-term solar irradiance forecasting models” RENE-D-17-03634R1 (review: February 2018).
  - Royo et al. “Generation of the site adapted clearest sky year of direct normal irradiance for solar concentrating technologies” RENE-D-18-00036 (review: February 2018).
  - Plain et al. “Low solar resource days. How could they impact the sizing of 100% solar micrigrids power systems in Africa?” RENE-D-18-01285 (review: May 2018).
  - Plain et al. “Low solar resource days. How could they impact the sizing of 100% solar micrigrids power systems in Africa?” RENE-D-18-01285R1 (review: June 2018).
35. ***International Journal of Remote Sensing (Taylor and Francis):***
- Wong et al. “Estimation of aerosol sources and aerosol transport pathways to Hong Kong, using AERONET clustering and backward trajectories” TRES-SIP-2011-0017 (review: February 2011).
  - Wong et al. “Estimation of aerosol sources and aerosol transport pathways to Hong Kong, using AERONET clustering and backward trajectories” TRES-SIP-2011-0017.R1 (review: May 2011).
  - Guleria et al. “Validation of MODIS retrieval AOD and an investigation on aerosols transport over Mohal in the NW Indian Himalaya” TRES-PAP-2011-0109.R1 (review: May 2011).
  - Guleria et al. “Validation of MODIS retrieval AOD and an investigation on aerosols transport over Mohal in the NW Indian Himalaya” TRES-PAP-2011-0109.R2 (review: May 2011).
  - Das Gupta and Rani “Validation of Kalpana-1 atmospheric motion vectors against upper air observations and numerical model derived winds” TRES-PAP-2011-0701 (review: December 2011).

- Themistocleous et al. “The identification of pseudo-invariant targets using ground field spectroscopy measurements intended for the removal of atmospheric effects from satellite imagery: the case study of Limassol area in Cyprus” TRES-PAP-2012-0054 (review: February 2012).
  - Hou et al. “Analysis of the lowest atmospheric layers carbon dioxide and the affecting factors over Chjina based on satellite observations” TRES-PAP-2012-0095 (review: April 2012).
  - Themistocleous et al. “The identification of pseudo-invariant targets using ground field spectroscopy measurements intended for the removal of atmospheric effects from satellite imagery: the case study of Limassol area in Cyprus” TRES-PAP-2012-0054R1 (review: May 2012).
  - Ganguly “Long-term variation in erythemal UV index for Indian cities” TRES-SIP-2012-0004 (review: July 2012).
  - Gharai et al. “Monitoring of intense dust storm over Indian region using contemporary satellite data-a case study” TRES-PAP-2012-0609 (review: November 2012).
  - Gharai et al. “Monitoring of intense dust storm over Indian region using contemporary satellite data-a case study” TRES-PAP-2012-0907 (review: January 2013).
  - Gharai et al. “Monitoring of intense dust storm over the Indian region using contemporary satellite data-a case study” TRES-PAP-2012-0907.R1 (review: March 2013).
  - Gharai et al. “Monitoring of intense dust storm over the Indian region using contemporary satellite data-a case study” TRES-PAP-2012-0907.R2 (review: March 2013).
  - El-Metwally & Wald “Monthly means of daily solar irradiation over Egypt estimated from satellite database and various empirical formulae” TRES-PAP-2012-0632.R1 (review: March 2013).
  - Xu et al. “Study on spatio-temporal dynamics of aerosol optical depth of the Yangtze River Delta and the impact of land cover” TRES-PAP-2013-0484 (review: July 2013).
  - Yao & Lu “A particulate-based air quality index (PAQI) for air quality assessment” TRES-LET-2013-0270 (review: September 2013).
  - Xu et al. “Study on spatio-temporal dynamics of aerosol optical depth of the Yangtze River Delta and the impact of land cover” TRES-PAP-2013-0826 (review: November 2013).
36. ***Theoretical and Applied Climatology (Springer):***
- Poupkou et al. “Present climate trends analysis of the Etesian winds in the egean Sea”, TAAC-D-11-00045 (review: March 2011).
  - Poupkou et al. “Present climate trends analysis of the Etesian winds in the Aegean Sea”, TAAC-D-11-00045R1 (review: April 2011).
  - Papanastasiou and Kittas “Maximum urban heat island intensity in a medium sized coastal Mediterranean city”, TAAC-D-11-00117 (review: June 2011).
  - Shamin et al. “A hybrid modelling approach for assessing solar radiation”, TAAC-D-14-00094 (review: May 2014).
  - Shamin et al. “A hybrid modelling approach for assessing solar radiation”, TAAC-D-14-00094R1 (review: October 2014).
  - Badescu & Dumitrescu “Simple solar radiation modelling for different cloud types and climatologies”, TAAC-D-14-00547 (review: December 2014).
  - Maghrabi et al. “Long-term variations of AOD from an AERONET station in the central Arabian Peninsula”, TAAC-D-17-00080 (review: February 2017).
  - Paulescu et al. “Retrieval of effective cloud field parameters from radiometric data”, TAAC-D-17-00261 (review: May 2017).
  - Paulescu et al. “Retrieval of effective cloud field parameters from radiometric data”, TAAC-D-17-00261R1 (review: May 2017).
  - Maghrabi et al. “Long-term variations of AOD from an AERONET station in the central Arabian Peninsula”, TAAC-D-17-00080R1 (review: July 2017).
37. ***Advances in Meteorology (Hindawi Publishing Corporation):***
- Pu et al. (guest editorial board) “Advanced data assimilation and predictability studies on high-impact weather and climate” as a proposal for a special issue (review: July 2009).
  - Meskhidze et al. (guest editorial board) “Marine aerosol-cloud-climate interaction” as a proposal for a special issue (review: August 2009).
  - Esau et al. (guest editorial board) “Svabald meteorology” as a proposal for a special issue (review: April 2011).

- Kaskaoutis et al. “Interaction of meteorology with sources, sinks and transports of dust around the globe and climate implications” as a proposal for a special issue (review: April 2011).
- Lupo et al. “Blocking anticyclones” as a proposal for a special issue” (review: June 2011).
- Miller et al. “Regional climate change and potential impact in the mid-latitudes” as a proposal for a special issue (review: September 2011).
- Ganor et al. “Properties and geographical sources of mineral dust in Israel”, 190646 (review: December 2011).
- Xie et al. “Air-sea interactions and marine meteorology” as a proposal for a special issue (review: October 2012).
- Nastos et al. “Advances in urban biometeorology” as a proposal for a special issue (review: December 2012).
- Fraile et al. “Precipitation-aerosol interactions: current state of knowledge and new perspectives” as a proposal for a special issue (review: February 2013).
- Lupo et al. “Large-scale dynamics, anomalous flows and teleconnections” as a proposal for a special issue (review: February 2013).
- Amorim et al. “Pedestrian exposure to air pollution in cities: modeling the effect of roadside trees” AMET-964904 (review: June 2013).
- Tapiador et al. “Precipitation science: observations, retrievals and modeling” as a proposal for a special issue (review: September 2013).
- Jiang et al. “Monitoring and modeling terrestrial ecosystems response to climate change” as a proposal for a special issue (review: September 2013).
- Satyanarayana et al. “ABL processes and atmospheric modeling” as a proposal for a special issue (review: October 2013).
- Xie et al. “Regional climate: downscaling, prediction and impact assessment” as a proposal for a special issue (review: October 2013).
- Dumka et al. “Influence of dynamic and synoptic meteorology on aerosol properties, characteristics and climate implications” as a proposal for a special issue (review: December 2013).
- He et al. “Meteorological impacts on landform changes” as a proposal for a special issue (review: August 2014).
- Shouting et al. “Climate change and ecosystem responses” as a proposal for a special issue (review: November 2014).
- Shouting et al. “Climate change and ecosystem responses” as an improved proposal for a special issue (review: November 2014).
- Pietrafesa et al. “Event to sub-seasonal scale atmospheric, oceanic and hydrologic phenomena with societal implications” as a proposal for a special issue (review: February 2015).
- Zhang et al. “Advances in cross-disciplinary research on meteorology and human health - implications for policy and practice” as a proposal for a special issue (review: February 2015).
- Zhang et al. “Research on meteorology and human health - implications for policy and practice” as a proposal for a special issue (review: March 2015).
- Trajkovic et al. “Hydro-meteorological hazards in a changing environment: early warning, forecasting and impact assessment” as a proposal for a special issue (review: March 2015).
- Yang et al. “Satellite climate data records and applications” as a proposal for a special issue (review: April 2015).
- Zhang et al. “Advances in remote sensing and modeling of terrestrial hydrometeorological processes and extremes” as a proposal for a special issue (review: April 2015).
- Kim et al. “Air pollution and the global environment” as a proposal for a special issue (review: April 2015).
- Hu et al. “Advances in atmospheric boundary layer/air pollution meteorology” as a proposal for a special issue (review: May 2015).
- Yoo et al. “Radar meteorology and hydrology” as a proposal for a special issue (review: May 2015).
- Yoo et al. “Radar meteorology and hydrology” as a proposal for a special issue (review: June 2015).
- Kim et al. “Statistical modeling of hydro-meteorological processes” as a proposal for a special issue (review: June 2015).
- Wu et al. “Hydrometeorological hazards: Monitoring, forecasting, risk assessment and socioeconomic responses” as a proposal for a special issue (review: June 2015).
- Xydis et al. “Wind power integration, forecasting and resource assessment” as a proposal for a special issue (review: November 2015).
- Choi et al. “Application of satellite observations to operational hydrology” as a proposal for a special issue (review: March 2016).

- Pradhanan et al. “Advances in Hydrometeorological predictions and applications” as a proposal for a special issue (review: May 2016).
  - Xu et al. “Stratospheric processes and their role in weather and climate” as a proposal for a special issue (review: October 2016).
  - Mahmood et al. “Robust estimation of extreme events” as a proposal for a special issue (review: October 2016).
  - Safeek et al. “Snow drought: measurement, modeling, and analysis of snow in mediating drought” as a proposal for a special issue (review: October 2016).
  - Xu et al. “Stratospheric processes and their role in weather and climate” as a proposal for a special issue (review: November 2016).
  - Jung et al. “Atmospheric aerosols and aerosol-cloud interaction” as a proposal for a special issue (review: March 2017).
  - Qi et al. “Remote sensing precipitation measurement, validation and applications” as a proposal for a special issue (review: March 2017).
  - Marin et al. “Hydrometeorological time series analysis and their relation to climate change all over the world” as a proposal for a special issue (review: March 2017).
  - Huang et al. “Meteorological data acquisition, processing, analysis and application to crop production management” as a proposal for a special issue (review: May 2017).
  - Yin et al. “Satellite soil moisture and its applications” as a proposal for a special issue (review: July 2017).
  - Avino et al. “Monitoring and modeling aerosol processes” as a proposal for a special issue (review: October 2017).
38. ***Environmental Chemistry Letters (Springer):***
- Stojic et al. “VOC concentration in the atmosphere of Belgrade semi-urban area”, ECLE-D-11-00058 (review: May 2011).
39. ***Environmental Engineering and Management Journal (Technical University of Iasi):***
- Hong et al. “Study on the relationship of visibility and aerosol characteristics in Tapei”, 196-Ma-10 (review: September 2011).
  - Hong et al. “Study on the relationship of visibility and aerosol characteristics in Tapei», 196-Ma-10R1 (review: November 2011).
40. ***Journal of Hazardous Materials (Elsevier):***
- Manivannan et al. “Particulate Matter characterization by Support Vector Machines based on gray level co-occurrence matrix”, HAZMAT-D-11-05450 (review: January 2012).
  - Manivannan et al. “Particulate Matter characterization by Support Vector Machines based on gray level co-occurrence matrix”, HAZMAT-D-11-05450R1 (review: March 2012).
41. ***Energy Conversion and Management (Elsevier):***
- Oteiza and Perez-Burgos “Diffuse illuminance availability on horizontal and vertical surfaces at Madrid, Spain”, ECM-D-12-00015 (review: February 2012).
  - Alonso et al. “Determination of the sun area on sky camera imagery using radiometric data” ECM-D-13-00904 (review: July 2013).
  - Amrouche et al. “Artificial neural network based daily local forecasting for global solar radiation” ECM-D-13-01149 (review: August 2013).
  - Khatib & Elmenreich “Novel simplified hourly energy flow models for photovoltaic power systems” ECM-D-13-01691 (review: November 2013).
  - Khatib & Elmenreich “Novel simplified hourly energy flow models for photovoltaic power systems” ECM-D-13-01691R1 (review: November 2013).
  - Baig et al. “Trapping light escaping from the edges of the optical element in a Concentrating Photovoltaic system” ECM-D-14-02378 (review: October 2014).
  - Baig et al. “Trapping light escaping from the edges of the optical element in a Concentrating Photovoltaic system” ECM-D-14-02378R1 (review: October 2014).
  - Yu et al. “Modeling and experimental research of the solar-thermal coupling system of a Solar Power Tower Plant” ECM-D-15-4300 (review: December 2015).
  - Guenounpou et al. “Comparative performance of PV modules of different technologies over one year of exposure: application to southern coastal region of Mediterranean” ECM-D-15-04315 (review: January 2016).
42. ***Energy and Buildings (Elsevier):***

- Zhao et al. “Analysis on energy saving optimization of campus buildings based on energy simulation”, ENB-D-12-00189 (review: April 2012).
  - Yassin & Ohba “A wind tunnel study on the effect of thermal stability on flow and dispersion of rooftop stack emissions in the near wake of a building”, ENB-D-12-00766 (review: August 2012).
  - Lundholm et al. “Snow depth and vegetation type affect green roof thermal performance in winter”, ENB-D-14-00240 (review: April 2014).
  - Carrasco-Hernandez et al. “Using urban canyon geometries obtained from Google Street View for atmospheric studies”, ENB-D-14-00288 (review: May 2014).
  - Brahman et al. “Optimal electrical and thermal energy management of a residential energy hub, integrating demand response and energy storage system”, ENB-D-14-01294 (review: October 2014).
  - Brahman et al. “Optimal electrical and thermal energy management of a residential energy hub, integrating demand response and energy storage system”, ENB-D-14-01294R1 (review: November 2014).
  - Ramadhani et al. “Heuristic power optimization and intelligent lighting control for SSLs”, ENB-D-15-00661R1 (review: September 2015).
  - Talebizadeh et al. “Comments on “Prediction of the optimum slope and surface azimuth angles using the Generic Algorithm, Energy and Buildings 43 (2011) 2998-3005”, ENB-D-16-00533 (review: May 2016).
43. ***Progress in Photovoltaics: Research and Applications (Taylor and Francis):***
- Betcke et al. “An empirical model for the spectral distribution of solar irradiance on a tilted plane based on principal component analysis”, PIP-12-194 (review: November 2012).
44. ***Earth Science Informatics (Springer):***
- Ali et al. “Development of parallel chemical transport model to enhance the performance of aerosol prediction”, ESIN-D-12-00066 (review: December 2012).
45. ***Urban Climate (Elsevier):***
- Sachdeva et al. “Variation of aerosol indirect effect (during 2002-2010) in the urban area of south eastern part of India”, UCLIM-D-12-00054 (review: January 2013).
46. ***Remote Sensing Letters (Taylor and Francis):***
- Mao et al. “Observation study on the size distribution of sand dust aerosol particles over Yinchuan, China” TRES-LET-2013-0086 (review: April 2013).
47. ***Atmosphere (MDPI):***
- Crosbie et al. “A multi-year aerosol characterization for the greater Tehran area using satellite, surface, and modelling data” atmosphere-47403 (review: February 2014).
48. ***Journal of Solar Energy (Hindawi Publishing Corporation):***
- Maraj et al. “Solar radiation models for the city of Tirana, Albania” 382832 (review: March 2014).
49. ***International Journal of Atmospheric Sciences (Hindawi Publishing Corporation):***
- Mahalakshmi et al. “Vehicular emissions responds to air pollution and ground reaching solar radiation: a case during a public strike over urban region” 621909 (review: November 2014).
50. ***Computers and Geosciences (Elsevier):***
- Xiao et al. “Retrieval of dust storm aerosols using an integrated neural network model” CAGEO-D-14-00512 (review: November 2014).
51. ***Air Quality, Atmosphere and Health (Springer):***
- Awad et al. “Synoptic characteristics of spring dust days over northern Saudi Arabia” AIRQ-D-14-00170 (review: December 2014).
  - Nizar & Dodamani “Spatio-temporal distribution of aerosols over the Indian sub-continent and its dependence on prevailing meteorological conditions” AIRQ-D-18-00142 (review: July 2018).
52. ***Indoor and Built Environment (Taylor and Francis):***
- Li et al. “Analysis of vertical sky components under various CIE Standard General Skies” IBE-D-14-0225 (review: January 2015).
  - Li et al. “Analysis of vertical sky components under various CIE Standard General Skies” IBE-D-14-0225R1 (review: January 2015).
  - Li et al. “Analysis of vertical sky components under various CIE Standard General Skies” IBE-D-14-0225R2 (review: February 2015).
53. ***Deep Sea Research II (Elsevier):***
- Menon et al. “Spatial heterogeneity in spectral variability of aerosol optical depth and its implications to aerosol radiative forcing in the tropical Indian Ocean and in the Indian Ocean sector of Southern Ocean” DSR2-D-14-00123 (review: January 2015).

- Menon et al. “Spatial heterogeneity in spectral variability of aerosol optical depth and its implications to aerosol radiative forcing in the tropical Indian Ocean and in the Indian Ocean sector of Southern Ocean” DSR2-D-14-00123R1 (review: February 2015).
- 54. ***International Journal of Energy Engineering II (Scientific and Academic Publishing):***
  - “Mathematical modeling of solar radiation incident on tilted surface for photovoltaic application at Bhopal, M.P, India” IJEE-100500183 (review: January 2015).
- 55. ***Advances in Science and Research (Copernicus Publications):***
  - Bilbao et al. “UV and global irradiance measurements and analysis during the MARSAXLOKK (Malta) campaign” ASR-2015-10 (review: January 2015).
  - Bilbao et al. “UV and global irradiance measurements and analysis during the MARSAXLOKK (Malta) campaign” ASR-2015-10 (review: May 2015).
- 56. ***American Journal of Environmental Engineering (Scientific & Academic Publishing):***
  - “Emission and distribution rate of particulate matter in Subbarayanahalli iron ore mine, Sandur, Karnataka, India – a case study” AJEE-112500161 (review: April 2015).
  - “A simple methodology for quality control of micrometeorological datasets” AJEE-112500198 (review: June 2016).
  - “Prediction of pollutant concentration through the evaluation of multiple air dispersion models” AJEE-112500224 (review: July 2017).
- 57. ***Resources and Environment (Scientific and Academic Publishing):***
  - “Diurnal and monthly variations in atmospheric CO<sub>2</sub> level in Qena, upper Egypt” RE-1002000182 (review: May 2015).
  - “Statistical comparison between empirical models and artificial neural network method for global solar radiation at Qena, Egypt” RE-1002000187 (review: July 2015).
  - “Community-based adaptation to climate change: a case of Soc Trang, Vietnam” RE-102000280 (review: June 2018).
- 58. ***Environmental Science and Pollution Research (Springer):***
  - Dumka et al. “Light extinction estimates based on chemical aerosol constituents in Delhi” ESPR-D-16-03735 (review: August 2016).
  - Dumka et al. “Columnar aerosol characteristics and radiative forcing over Doon valley in the Shivalik ranges of northwestern Himalayan region” ESPR-D-15-01748 (review: August 2016).
  - Dumka et al. “Columnar aerosol characteristics and radiative forcing over Doon valley in the Shivalik ranges of northwestern Himalayan region” ESPR-D-15-01748R1 (review: September 2016).
  - Kaushal et al. “Winter-time carbonaceous aerosols over Dhauladhar region of NW Himalayas” ESPR-D-17-04498 (review: September 2017).
  - Rupakheti et al. “Observation of optical properties and sources of aerosols at Buddha’s birthplace, Lumbini, Nepal: environmental and climate implications” ESPR-D-17-05276 (review: October 2017).
- 59. ***World Environment (Scientific and Academic Publishing):***
  - “The effect of ozone and aerosols on the surface erythemal UV irradiance estimated from TOMS measurements” ENV-100400165 (review: July 2015).
  - “Sliced Functional Time Series (SFTS) forecasting of rainfall data over Pakistan” ENV-100400199 (review: December 2017).
- 60. ***International Journal of Sustainable Energy (Scientific and Academic Publishing):***
  - Asumadu-Sarkodie & Owusu “Assessment of solar energy resource potentials in Ghana” ENV-100400165 (review: August 2015).
- 61. ***Remote Sensing (Multidisciplinary Digital Publishing Institute):***
  - Chen et al. “Variation of aerosol types over Beijing in recent 13 years derived from AERONET observations” remotesensing-106207 (review: November 2015).
  - Chen et al. “Variation of aerosol types over Beijing in recent 13 years derived from AERONET observations” remotesensing-106207 (review: December 2015).
  - Zhang et al. “Retrieval of aerosol optical depth using the empirical orthogonal functions (EOFs) based on PARASOL multi-angle intensity data” remotesensing-195806 (review: May 2017).
  - He et al. “Aerosol optical properties and associated direct radiative forcing over the Yangtze River basin during 2001-2015” remotesensing-203384 (review: June 2017).
  - He et al. “Aerosol optical properties and associated direct radiative forcing over the Yangtze River basin during 2001-2015” remotesensing-203384-r1 (review: July 2017).



- He et al. “Performance of NPP-VIIRS and Aqua-MODIS aerosol optical properties depth products over the Yangtze River Basin” *remotesensing-253669* (review: December 2017).
  - He et al. “Performance of NPP-VIIRS and Aqua-MODIS aerosol optical properties depth products over the Yangtze River Basin” *remotesensing-253669-rev 1* (review: January 2018).
  - Qin et al. “Improving the estimation of daily aerosol optical depth and aerosol radiative effect using an optimized artificial neural network” *remotesensing-306954* (review: May 2018).
  - Qin et al. “Improving the estimation of daily aerosol optical depth and aerosol radiative effect using an optimized artificial neural network” *remotesensing-306954* (review: June 2018).
62. ***Applied Energy (Elsevier):***
- Kocifai & Komar “Modeling diffuse irradiance under arbitrary and homogeneous skies: comparison and validation” *APEN-D-15-03892* (review: November 2015).
  - Kocifai & Komar “Modeling diffuse irradiance under arbitrary and homogeneous skies: comparison and validation” *APEN-D-15-03892R1* (review: January 2016).
  - Ghosh et al. “Using a multi-criteria decision making framework for choosing utility-scale solar project sites in Karnataka, India” *APEN-D-15-04364* (review: July 2016).
63. ***Journal of Solar Energy Research Updates (Avanti Publishers):***
- “All-world solar collector optimum slope determination basing on site latitude and day number” *JSERU-SS-1-16* (review: February 2016).
64. ***International Journal of Probability and Statistics (Scientific & Academic Publishing):***
- “Dependency modelling of natural rare phenomena: application on oil rigs” *IJSP-111900060* (review: April 2016).
65. ***Science of the Total Environment (Elsevier):***
- Makra et al. “Monitoring of long-range transport effects on urban PM10 using clusters of backward trajectory positions” *STOTEN-D-09-00548* (review: May 2009).
  - Piyushkumar et al. “Optical and radiative properties of aerosols over Desalpar, a remote site in western India: Source identification, modification processes and aerosol type discrimination” *STOTEN-D-16-04152* (review: August 2016).
66. ***International Journal of Environmental Research and Public Health (Multidisciplinary Digital Publishing Institute):***
- Schrempf et al. “Is multidirectional UV exposure responsible for increasing melanoma prevalence with altitude?” *ijerph-146899* (review: August 2016).
  - Zhao et al. “The relationship of PM variation to visibility and MLH under haze/fog condition in multi-cities of northeast China” *ijerph-187794* (review: April 2017).
  - Zhao et al. “The relationship of PM variation to visibility and MLH under haze/fog condition in multi-cities of northeast China” *ijerph-187794R1* (review: April 2017).
  - Wang et al. “Risk assessment of face skin exposure to UV irradiance from different rotation angle ranges” *ijerph-193100* (review: April 2017).
  - Wang et al. “Risk assessment of face skin exposure to UV irradiance from different rotation angle ranges” *ijerph-193100R1* (review: May 2017).
  - Paraschiv et al. “OMI and ground-based in situ tropospheric nitrogen dioxide observations over several European cities during 2005-2014” *ijerph-231361* (review: October 2017).
  - Paraschiv et al. “OMI and ground-based in situ tropospheric nitrogen dioxide observations over several European cities during 2005-2014” *ijerph-231361-revised* (review: October 2017).
  - Siani et al. “Historical trends of solar UV index and ozone in two quite different sites (in the search of optimal solar exposure and reliable weather predictions)” *ijerph-329271* (review: July 2018).
67. ***International Journal of Agriculture and Forestry (Scientific & Academic Publishing):***
- “Constraints faced by small scale farmers in adapting to climate change in Kakamega County” *IJAF-104100450* (review: November 2016).
68. ***International Journal of Environmental Science and Technology (Springer):***
- “Evaluation of sunshine duration and temporal-spatial distribution based on geostatistical methods in Iran” *IJEST-D-17-00394* (review: June 2017).
  - “Evaluation of sunshine duration and temporal-spatial distribution based on geostatistical methods in Iran” *IJEST-D-17-00394R1* (review: July 2017).

- “Evaluation of sunshine duration and temporal-spatial distribution based on geostatistical methods in Iran” IJEST-D-17-00394R2 (review: August 2017).
- 69. **International Journal of Urban Science (Tayler & Francis):**
  - “Investigating temperature and precipitation changes in different periods affected by unequal growth of urban development” RJUS-2017-0051 (review: June 2017).
- 70. **Climate (Multidisciplinary Digital Publishing Institute):**
  - Davis “The relationship between atmospheric carbon dioxide and global temperature for the last 425 million years” climate-220890 (review: September 2017).
  - Davis et al. “The Antarctic Centennial Oscillation: a natural paleoclimate cycle in the southern hemisphere that influences global temperature” climate-235557 (review: October 2017).
  - Seip & Wang “Does the hiatus in global warming depend upon interactions between El Niño and the PDO?” climate-333235 (review: July 2018).
- 71. **Physical Chemistry (Scientific & Academic Publishing):**
  - “A study of nanoparticle sizes and their distributions aerosols along the road in Ulaanbaatar city PC-102200093 (review: September 2017).
- 72. **Applied Sciences (Multidisciplinary Digital Publishing Institute):**
  - Huang et al. “Atmospheric attenuation correction based on a constant reference for high-precision infrared radiometry” applsci-228510 (review: September 2017).
  - Huang et al. “Atmospheric attenuation correction based on a constant reference for high-precision infrared radiometry” applsci-228510-revised (review: November 2017).
- 73. **Energies (Multidisciplinary Digital Publishing Institute):**
  - Lotfinejad et al. “A comparative assessment to predict daily solar radiation using Bat-neural Network (BNN), Generalized Regression Neural Network (GRNN) and Neuro-Fuzzy (NF): a case study” energies-239116 (review: November 2017).
  - Wang et al. “Hourly solar radiation forecasting using a Volterra-LSSVM model combined with signal decomposition” energies-251305 (review: December 2017).
  - Wang et al. “Hybrid decomposition-reconfiguration models for long-term solar radiation prediction only using historical radiation records” energies-295983 (review: April 2018).
  - Wang et al. “Hybrid decomposition-reconfiguration models for long-term solar radiation prediction only using historical radiation records” energies-295983 (review: May 2018).
  - Moncada et al. “Deep learning to forecast solar irradiance using a 6-month CPS-UTSA sky imager dataset” energies-311532 (review: May 2018).
- 74. **Journal of Safety Engineering (Scientific & Academic Publishing):**
  - “Appraising variations in climate change parameters along the lower west African region” safety-111800042 (review: February 2018).
  - “Status of safety climate in chemical industry-Karnataka” safety-111800044 (review: April 2018).
- 75. **Entropy (Multidisciplinary Digital Publishing Institute):**
  - Lopes & Machado “Complexity analysis of global temperature time series” entropy-291069 (review: April 2018).
- 76. **Atmósfera (Universidad Nacional Autónoma de México)**
  - Incecik et al. “Evaluation of WRF parameterizations for GHI forecasts: a study for Turkey” 52522-149176-1 (review: April 2018).
- 77. **Sustainability (Multidisciplinary Digital Publishing Institute):**
  - Costanzo et al. “Application of climate-based daylight modelling to the refurbishment of a school building in Sicily” sustainability-328899 (review: July 2018).

### H.3.2. Reviewer of works to scientific conferences

1. **Reviewer** of the scientific work “Luminous efficacy models - Evaluation against UK data” by T. Muneer and D. Kinghorn, presented in the *IESNA Conference* at Siatl, USA, 20 August 1997.
2. **Reviewer** of scientific works submitted to the *ISES Solar World Congress 1999*, Jerusalem, Israel, 4 - 9 July 1999.

3. **Reviewer** of scientific works for the *Mild-types energy technologies and environment* organised by TEI-Piraeus, December 2000.
4. **Reviewer** εργασιών of works submitted to the 6<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Ioannina, Greece, 25 – 28 September 2002.
5. **Reviewer** of 11 scientific works submitted to the 7<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"* organized by EMTE and MYK, Larnaka, Cyprus, September 2004.
6. **Reviewer** of 3 works submitted to the 8<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Athens, Greece, May 2006.
7. **Reviewer** of 3 works submitted to the *SOLARIS 2008 Conference*, Hong-Kong, December 2008.
8. **Reviewer** of 3 works submitted to the 9<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Thessaloniki, Greece, May 2008.
9. **Reviewer** of 9 works submitted to the 10<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Patras, Greece, May 2010.
10. **Reviewer** of 23 works submitted to the *ISES Solar World Congress 2011* held in Kassel, Germany, 28 August – 2 September 2011.
11. **Reviewer** of 5 works submitted to the 11<sup>th</sup> *International Conference on "Meteorology-Climatology-Atmospheric Physics"* (COMECAP 2012), Athens, Greece, May 2012.
12. **Reviewer** of 6 works submitted to the 12<sup>th</sup> *International Conference on "Meteorology-Climatology-Atmospheric Physics"* (COMECAP 2014), Chania, Crete, Greece, May 2014.
13. **Reviewer** (January 2015) of 1 work submitted to the 1<sup>st</sup> *International Conference on "Geographical Information Systems Theory, Applications and Management"* (GISTAM 2015) held in Barcelona, Spain, 28 – 30 April 2015.
14. **Reviewer** (January 2016) of 1 work submitted to the 2<sup>nd</sup> *International Conference on "Geographical Information Systems Theory, Applications and Management"* (GISTAM 2016) held in Rome, Italy, 26 – 27 April 2016.
15. **Reviewer** of 6 works (#11, 80, 131, 137, 186, 189, February-March 2016) submitted to the 13<sup>th</sup> *International Conference on "Meteorology-Climatology-Atmospheric Physics"* (COMECAP 2016), Thessaloniki, Greece, 19 - 21 September 2016.
16. **Reviewer** (January 2017) of 3 works (#13, 41, 43) submitted to the 3<sup>rd</sup> *International Conference on "Geographical Information Systems Theory, Applications and Management"* (GISTAM 2017) held in Port, Portugal, 27 – 28 April 2017.
17. **Reviewer** (November, December 2017) of 4 works (#21, 37, 38, 59) submitted to the 4<sup>th</sup> *International Conference on "Geographical Information Systems Theory, Applications and Management"* (GISTAM 2018) held in Funchal, Madeira, Portugal, 17 – 19 March 2018.
18. **Reviewer** of 5 works (#36, 67, 106, 120, 172, July 2018) submitted to the 14<sup>th</sup> *International Conference on "Meteorology-Climatology-Atmospheric Physics"* (COMECAP 2018), Alexandroupolis, Greece, 15 - 17 October 2018.

### H.3.3.Reviewer of monographs

1. **Reviewer** of the book *Diffusion and transport of pollutants in atmospheric mesoscale flow fields* by A. Gyr and F.S. Rys, publ. by Kluwer Academic Publishers, 1995.
2. **Reviewing Reader** (1998 - 1999) of chapters: 1 – “Meteorology and air pollutant dispersion in the atmosphere” (by I. Ziomas), 2 – “The atmosphere: composition and physical characteristics” (by E. Remountaki), 3 – “Air pollutants – Tropospheric chemistry” (by E. Remountaki) και 4 – “Particles in the atmosphere” (by E. Remountaki), which now comprise volume C entitles “The atmosphere as wastes receptor” and concerns

- the postgraduate course programme “Wastes management” of HOU. Ed. by HOU 2003, pp. 1-312, ISBN 960-538-523-6.
3. **Reviewer** (September 2005) of chapter 6 “Mitigation of anthropogenic climate change via a macro-engineering scheme: climate modeling results” by G. Bala and K. Caldeira, in: *Macro-engineering: a challenge for the future*, eds V. Badescu, R.B. Cathcart and R.D. Schuiling, published by Springer, vol. 54, 2006, Water Science and Technology Library series, doi:10.1007/1-4020-4604-9.
  4. **Reviewer** of the work “A simple parameterisation of columnar aerosol optical thickness” by Kannel et al. with submission code 5-3-007 BE to be included in the volume *Biology - Ecology* in the Proceedings of the *Estonian Academy of Sciences* (review: in April 2006).
  5. **Reviewer** of the chapter “Solar thermal technologies” by M. Asif and T. Muneer in: *Encyclopedia of energy engineering and technology*, ed. B.L. Capehart, published by Taylor & Francis in 2007, ISBN 978-0-8493-3653-9 (hardback) 978-0-8493-3896-0 (electronic) (review: June 2006).
  6. **Reviewer** of chapter 28 “Available solar energy and weather forecasting on Mars surface” by V. Badescu in: *Mars, perspective energy and material resources*, ed. V. Badescu, published by Springer in 2010, ISBN 978-3-642-03628-6 (review: December 2008).
  7. **Reviewer** of the proposed book “Weather modeling and forecasting of PV systems operation” by M. Paulescu, E. Paulescu, P. Gravila, V. Badescu for possible publication from Springer within 2012 (review: July 2011).
  8. **Reviewer** of the proposed book “Practical modeling of solar radiation for renewable energy applications” by D. Myers for possible publication from CRC Press/Taylor-Francis within 2012 (review: July 2011).
  9. **Expert reviewer** for the IPCC Working Group I (WGI) 5<sup>th</sup> Assessment Report (AR5) on *Climate change 2013: The physical science basis* (review: January 2012).

## H.4. Evaluator of research proposals

### H.4.1. Evaluator of research proposals with national funding

1. **Evaluator** of research proposals (October 1997) for funding from GSRT under the *National Informatics System 1997* programme (EPET II/Subprogramme 2).
2. **Evaluator** of 2 research proposals for internal funding from University of the Aegean sources.
3. **Evaluator** of research proposals (April and June 1998) submitted to GSRT for funding within the *Career Programme to Greek-speaking Researchers from Abroad 1997* (EPET II/Subprogramme 2/Measure 2.3).
4. **Evaluator** of research proposals (September 1998) submitted to GSRT for funding through the *Greek-French Science & Technology Cooperation Programme 1998* (EPET II/Subprogramme 2/Measure 2.5).
5. **Evaluator** of research proposals (December 1998) submitted to GSRT for funding through the *Greek-Czech Science & Technology Cooperation Programme 1998* (EPET II/Subprogramme 2/Measure 2.5).
6. **Evaluator** of a research proposal (December 1998) submitted to GSRT for funding through the *Greek-Slovak Science & Technology Cooperation Programme 1998* (EPET II/Subprogramme 2/Measure 2.5).
7. **Evaluator** of research proposals (May 1999) submitted to GSRT for funding through the *Greek-Italian Science & Technology Cooperation Programme 1999* (EPET II/Subprogramme 2/Measure 2.5).

8. **Evaluator** of research proposals (May 1999) submitted to GSRT for funding through the *Greek-German Science & Technology Cooperation Programme 1999* (EPET II/Subprogramme 2/Measure 2.5).
9. **Evaluator** of a research project final report, phase A' (July 2000) submitted to GSRT for funding under the *Co-funding 1996* programme of EPET II/Measure 5.1.
10. **Evaluator** of a research proposal (January 2001) submitted to GSRT for funding through the *Greek-Ukrainian Science & Technology Cooperation Programme 2000-2001* (EPET II/Subprogramme 2/Measure 2.5).
11. **Evaluator** of a research proposal (May 2001) submitted to GSRT for funding through the *Greek-Italian Science & Technology Cooperation Programme 2001-2003* (EPET II/Subprogramme 2/Measure 2.5).
12. **Evaluator** of a research project final report, phase A' & B' (October 2001) submitted to GSRT for funding under the *Co-funding 1996* programme of EPET II/Measure 5.1.
13. **Evaluator** of research proposals (November 2006) submitted to GSRT for funding under the *Human Networks of S&T Training – Cycle B', Measure 8.3, Human research & technological potential, Action 8.3.6, Act 8.3.6* of EPAN.
14. **Evaluator** of a proposal (December 2006) for the creation of a new postgraduate course in *Lighting Design* by HOU.
15. **Evaluator** of applications for budget reformation of some on-going projects (May 2008) under the *PRAXE – Spin-offs, Phase B – Investment startup activities, 2<sup>nd</sup> and 3<sup>rd</sup> cycles, Measure 4.1: Support of research units for the pre-standardisation and commercial exploitation of research results. Identification and exploitation of research products with the creation of new enterprises* of EPAN.
16. **Evaluator** of #998 proposal (October 2011) by an applicant to IKY for a scholarship in order to attend the MSc course of AUTH on “Atmospheric Physics”.
17. **Evaluator** of #235, #350 and #408 research proposals (June 2012) submitted to GSRT for funding under the *Bilateral Greece – China S&T Cooperation 2012 - 2014*.
18. **Evaluator** of proposals #436, #2276, #488, #1843, #3511, #2235 and #3713 (October 2012) and #2156 (December 2012) by applicants to IKY for grants in order to attend MSc courses in the energy field within Greece and abroad (Europe).
19. **Evaluator** of the final report (March 2016) of the #11-ROM 36-5-ET30 research project implemented through GSRT funding under the *Bilateral Greece – Romania S&T Cooperation 2011 – 2012* programme.

#### **H.4.2. Evaluator of research proposals with international funding**

1. **Evaluator** of research proposals submitted to EC FP5 *Energy, environment and sustainable development, Atmospheric composition change* in 1999.
2. **Evaluator** of research proposals submitted to EC INTAS in 2001.
3. **Evaluator** of research proposals submitted to EC *Open Call 2003* and *Belarus-INTAS Call 2003*.
4. **Evaluator** of research proposals submitted to EC INTAS *Infrastructure Actions - Autumn 2003*.
5. **Evaluator** of research proposals submitted to EC INTAS *Infrastructure Actions - Spring 2004*.
6. **Evaluator** of research proposals submitted to EC INTAS *Infrastructure Actions - Autumn 2004*.
7. **Evaluator** of research proposals submitted to EC LIFE ENVironment – *Demonstration Projects 2005*.
8. **Evaluator** of research proposals submitted to EC INTAS *Open Call 2005-2006 Pre-proposal*.

9. **Evaluator** of research proposals submitted to EC INTAS *Collaborative Call with Moldova 2005-Research Project and Proposal for Young Scientist Fellowship*.
10. **Evaluator** of research proposals submitted to EC INTAS *Open Call 2005-2006 Full Proposal*.
11. **Evaluator** (May 2006) of the research proposal “Measurement and modelling of UV radiation distribution over human anatomy” submitted to *US-Israel Binational Science Foundation 2005*.
12. **Evaluator** of research proposals submitted to EC INTAS *YSF Open Call 2006*.
13. **Evaluator** (March 2013) of 6 research proposals (#117713, 119613, 522513, 611013, 612213, 621613) submitted to the *Research Grants Council of the University Grants Council* the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
14. **Evaluator** (March 2013) of a research proposal (Natural and anthropogenic aerosols transport over the Arabian Sea) submitted to the *King Fahd University of Petroleum & Minerals, Deanship of Scientific Research* of Saudi Arabia.
15. **Evaluator** (July 2013) of 2 research proposals (# RE-040, RE-049) submitted to the *ERAfrica 2013* (<http://www.erafrica.eu/index.php>) call for proposals. These 2 research proposals were in the thematic area of Renewable Energies.
16. **Evaluator** (March 2014) of 1 research proposal (#16211814) submitted to the *Research Grants Council of the University Grants Council* the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
17. **Evaluator** (March 2015) of 2 research proposals (#11211615, 25221215) submitted to the *Research Grants Council of the University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
18. **Evaluator** (April 2015) of 1 research proposal (# ID 277912) submitted to the programme *PRELUDIUM 8* \* of the *National Science Centre* in Poland (<https://www.ncn.gov.pl/?language=en>) for funding.
19. **Evaluator** (May 2015) of 2 research proposals (#1408715, 11302815) submitted to the *Research Grants Council of the University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
20. **Evaluator** of #14212116 (March 2016) and #14324816 (April 2016) research proposals submitted to the *Research Grants Council of the University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
21. **Evaluator** (September 2016) of 3 research proposals (#169, 309 και 313), submitted to the the *ERANETMED2* programme of the European Commission for funding according to its call on *Environmental challenges and solutions for vulnerable communities in the Mediterranean region*.
22. **Evaluator** (October 2016) of 3 research proposals (#332986, 333730, 337199) submitted to the programme *OPUS* of the *National Science Centre* in Poland (<https://www.ncn.gov.pl/?language=en>) for funding.
23. **Evaluator** (March 2017) of 2 research proposals (#14202817, 17203317) submitted to the *Research Grants Council of the University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
24. **Evaluator** (March 2017) of 1 research proposal (#21771) submitted to the EC COST Action programme *OC-2016-2 Call*.
25. **Evaluator** (April 2017) of 1 research proposal (#11301117) submitted to the *Research Grants Council of the University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.

26. **Evaluator** (April 2017) of 1 research proposal (#350850) submitted to the programme *PRELUDIUM 12* of the *National Science Centre* in Poland (<https://www.ncn.gov.pl/?language=en>) for funding.
27. **Evaluator** (September 2017) of 1 research proposal (#522) submitted to the *2017 call for S&T projects* under the *ERA.Net RUS+* programme (<http://eranet-rus.eu/en/196.php#SnT>) for funding.
28. **Evaluator** (October 2017) of 1 research proposal (#372768) submitted to the programme *OPUS 13* of the *National Science Centre* in Poland (<https://www.ncn.gov.pl/?language=en>) for funding.
29. **Evaluator** (November 2017) of 3 research proposals (#22401, 22431, 22445) submitted to the EC COST Action programme *OC-2017-1 Call*.
30. **Evaluator** (February 2018) of 1 research proposal (#14206818) submitted to the *Research Grants Council* of the *University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
31. **Evaluator** (March 2018) of 1 research proposal (#11305718) submitted to the *Research Grants Council* of the *University Grants Council* of the Hong Kong Special Administrative Region (<http://www.ugc.edu.hk/eng/ugc/index.htm>) for funding.
32. **Evaluator** (April 2018) of 3 research proposals (#17, ) submitted to the *MBR Space Settlement Challenge* call at the Guaana platform (<https://www.guaana.com/>) with funding from the *Dubai Future Foundation (DFF)*.

## H.5. Awards

1. **The 4<sup>th</sup> award of “DOMES 2013 Awards”** in the category *Best first building by a young architect of the years 2010-2012*. I participated in the young architect’s team, Iva Vassileva. The team designed a villa in Ekali, northern suburb of Athens; the villa has been constructed. My contribution was in the bioclimatic and energy design of the residence.
2. **Selection** of the published article “Mapping atmospheric corrosion on materials of archaeological importance in Athens” (see H.2.135) in the editions of the journal *Environment Progress* (<http://environmentprogress.com/>), which makes reference to selected articles of other scientific journals.
3. **Award** of *Certificate of Appreciation* for serving as a reviewer for the scientific journal of *Optical Engineering* during 2014.
- 4.

## H.6. Social activity – scientific recognition

1. **Scientific consultant** to *Solar Data Task Group* of CIBSE, UK since 1994.
2. **Member** of the **Scientific Committee** of the *2<sup>nd</sup> Environmental Conference*, Zakynthos island, Greece, 1993.
3. **Member** of the *Scientific Committee* set up by HPU to give awards to High School pupils in environmental education (1994).
4. **Chairman** of session SS2 of the *21<sup>st</sup> NATO/CCMS International Technical Meeting on Air pollution modelling and its application*, Baltimore, USA, 6 - 10 November 1995.
5. **Selection** by the EC *Statistical Bureau* as **National expert** in participating in specifying the most appropriate “pressure indicators in the air pollution policy field” (first round).
6. **Selection** from *Kluwer Publishers* for depositing my opinion on the launch of a new scientific journal entitled *Environmental Fluid Dynamics*.
7. **Selection** by the EC *Statistical Bureau* as **National expert** for participating in specifying the most appropriate “pressure indicators in the air pollution policy field” (second round).

8. **National representative** in the international network *Silicon Valley Toxics Coalition* (SVTC) based in USA.
9. **Member** of the Scientific Committee of the 2<sup>nd</sup> *Environmental Conference*, Zakynthos island, Greece, 26 - 28 November 1993.
10. **Inclusion** of ATHIBLEX campaign in the list of the relevant campaigns performed in Europe and N. America for measurements of oxidizing air pollutants by the SOS Bureau, N. Carolina State University, College of Forest Resources, USA.
11. **Member** of the Scientific Committee of the 9<sup>th</sup> *International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, S. Angello di Sorrento, Italy, 4 - 9 October 1997.
12. **Co-chairman** of session Atmospheric Chemistry and Climate during the 9<sup>th</sup> *International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, S. Angello di Sorrento, Italy, 4 - 9 October 1997.
13. **Co-chairman** of poster sessions of the 9<sup>th</sup> *International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, S. Angello di Sorrento, Italy, 4 - 9 October 1997.
14. **Chairman** of afternoon session (1 July 1993) of the NATO ARW on *Advances in the fluid mechanics of turbulent jets and plumes*, Portugal, 28 June – 3 July 1993.
15. **Member** of the Scientific Committee of the 3<sup>rd</sup> *Environmental Conference*, Halkida, Greece, 1998.
16. **Chairman** of sessions 1 and 10 of the 3<sup>rd</sup> *Environmental Conference*, Halkida, Greece, 1998.
17. **Chairman** of session on *Meteorology* of the 8<sup>th</sup> *Panhellenic Physics Conference*, Kyparissia, Greece, 28 - 31 January 1999.
18. **Member** of the Scientific Committee of the Conference on *Mild-type energy technologies and environment – Proposed solutions specific for Greece*, TEI-Piraeus, Greece, 11 - 12 December 2000.
19. **Selection** of ATHIBLEX results in the EPRI Final Report TR-114238 *Comprehensive overview of scientific findings from major ozone field studies in N. America and Europe*, ed. A. Hansen, December 1999.
20. **Member** of the Scientific Committee of the 5<sup>th</sup> *Panhellenic Conference on "Meteorology-Climatology-Atmospheric Physics"*, Thessaloniki, Greece, 28 - 30 September 2000.
21. **Co-chairman** of session *Climatology – Urban climatology* (29 September) of the 5<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology – Atmospheric Physics"*, Thessaloniki, Greece, 28 - 30 September 2000.
22. **Member** of the **Scientific Committee** of the journal *Fresenius Environmental Bulletin*.
23. **Member** of the **Scientific Committee** of the 11<sup>th</sup> *International Symposium on "Environmental Pollution and its Impact on Life in the Mediterranean Region"*, Lemesos, Cyprus, 6 - 10 October 2001.
24. **Member** of the Scientific Committee of the *Seismology seminar day*, organised by HPU, Halkida, Greece, 12 May 2001.
25. **Member** of the Scientific Committee of the HPU journal *Physics Review*.
26. **Member** of the CIE Technical Committee 3-37 (TC 3-37) since June 2001.
27. **Member** of the Scientific Committee of the 6<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics"*, Ioannina, Greece, 25 - 28 September 2002.
28. **Co-chairman** in session *Atmospheric pollution and biometeorology* (27 September) of the 6<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics"*, Ioannina, Greece, 25 - 28 September 2002.
29. **Member** of the Scientific Committee of the 7<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics"*, Larnaka, Cyprus, 28 - 30 September 2004.



30. **Member** της of the International Consulting Committee for the 5<sup>th</sup> *General BPU Conference*, Vrnjacka Banja, Serbia, 25 - 29 August 2003.
31. **Co-chairman** of session *Meteorology and geosciences* (26 August) for the 5<sup>th</sup> *General BPU Conference*, Vrnjacka Banja, Serbia, 25 - 29 August 2003.
32. **Expert** of GSRT in theme *Global change and ecosystems*, EC 6FP, 2004 - 2006.
33. **Expert** of GSRT in horizontal theme *Horizontal issues that concern whole 2<sup>nd</sup> Special Programme*, EC 6FP, 2004 - 2006.
34. **Member** of the Scientific Committee of the 8<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics"*, Athens, Greece, 24 - 26 May 2006.
35. **Chairman** of CIE TC 3-37 "Guide for the application of the general CIE sky standard", Berlin, Germany, 22 September 2005.
36. **President** of the Organising Committee of the 1<sup>st</sup> *International Urban Nightscape 2006 Conference*, Athens, Greece, 21 – 24 September 2006.
37. **Member** of the International Scientific Committee of the 3<sup>rd</sup> *International SOLARIS 2007 Conference*, New Delhi, India, 7 – 9 February 2007.
38. **Expert** of GSRT in theme *Environment* of EC 6FP for the period 2004 - 2006.
39. **National deligate** of GSRT in theme *Environment (including climate change)* of EC 7FP for the period 2006 - 2008.
40. **Member** and **deligate** of GSRT (March 2007) in the EC experts group for the "development of the European strategy on sustainability".
41. **Focal point** for the GEO activity *CL-06-03: Key terrestrial observation systems of climate*.
42. **Focal point** for the GEO activity *WE-06-01: Surface-based global observing system for weather*.
43. **Focal point** for the GEO activity *WE-06-05: Numerical weather-prediction capacity building*.
44. **Member** of the Scientific Committee of the 9<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics" COMECAP 2008*, Thessaloniki, Greece, 28 - 31 May 2008.
45. **Co-chairman** of *Meteorology* session (30 May) of the 9<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics" COMECAP 2008*, Thessaloniki, Greece, 28 - 31 May 2008.
46. **Member** of the International Scientific Committee of the 4<sup>th</sup> *International SOLARIS 2008 Conference*, Hong-Kong, 4 – 5 December 2008.
47. **Chairman** of *Solar radiation* session (4 December) of the 4<sup>th</sup> *International SOLARIS 2008 Conference*, Hong-Kong, 4 – 5 December 2008.
48. **Member** of the Scientific Committee of the 10<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics" COMECAP 2010*, Patras, Greece, 25 - 28 May 2010.
49. **Co-chairman** of *Atmospheric physics I* session (27 May) of the 10<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics" COMECAP 2010*, Patras, Greece, 25 - 28 May 2010.
50. **Member** of the International Scientific Committee of the 5<sup>th</sup> *International SOLARIS 2011 Conference*, Brno, Czech Republic, 10 – 11 August 2011.
51. **Member** of the Scientific Committee of the 11<sup>th</sup> *Panhellenic Conference on "Meteorology – Climatology - Atmospheric Physics" COMECAP 2012*, Athens, Greece, 30 May – 2 June 2012.
52. **Use** of the methodology proposed by Kambezidis and Papanikolaou (see B.2.7) in the computation of global solar radiation data by the *World Radiation Monitoring Center - Baseline Surface Radiation Network* ([http://www.bsrn.awi.de/en/data/measurements/radiation\\_measurements/](http://www.bsrn.awi.de/en/data/measurements/radiation_measurements/)).

53. **Member** of the 7-Member Committee for the promotion of associate professor A. Argyriou, Dept. of Physics, University of Patras to the position of full professor. The procedure was implemented through accredited teleconference on 3/7/2014.
54. **National delegate** of GSRT in theme *Climatic action, environment, efficiency of sources and primary materials* of EC HORIZON 2020 for the period 2013 - 2015.
55. **Member** of the 3-Member Introductory Committee and the 7-Member Review Committee for the promotion to ELE (Special Operative Scientists) of B' grade of colleagues in the Institute (Drs. D. Katsanos, M. Lianou, A. papagiannaki). The appointment to the committees was decided during the 1115<sup>th</sup> meeting of the Admonistrative Board of NOA on 24/10/2016. The promotional procedure was implemented at NOA/Thission on 19/12/2016.
56. **Member** of the Programme Committee of the 1<sup>st</sup> *International Conference on "Geogrphical Information Systems Theory, Applications and Management" GISTAM 2015*, Barcelona, Spain, 28 – 30 April 2015.
57. **Member** of the Programme Committee of the 2<sup>nd</sup> *International Conference on "Geogrphical Information Systems Theory, Applications and Management" GISTAM 2016*, Rome, Italy, 26 – 27 April 2016.
58. **Member** of the Programme Committee of the 3<sup>rd</sup> *International Conference on "Geogrphical Information Systems Theory, Applications and Management" GISTAM 2017*, Porto, Portugal, 27 – 28 April 2017.

#### H.7. Member of editorial boards in scientific journals

1. **Member of the Editorial Board** of the electronic journal *Advances in Meteorology* (AMET) since 2008 (<http://www.hindawi.com/journals/amet/editors.html>).
2. **Member of the Editorial Board** of the *Polish Journal of Environmental Studies* (PJoES) since 2011 (<http://www.pjoes.com/index.php?s=board>).
3. **Member of the Editorial Board** of the *Journal of Fundamentals of Renewable Energy and Applications* (JFREAA) since 2011 (<http://www.ashdin.com/journals/jfrea/editors.aspx>).
4. **Chief Editor** of the *American Journal of Environmental Engineering* (AJEE) since 2011(<http://journal.sapub.org/AJEE>).
5. **Member of the Editorial Board** of the journal *Frontiers in Environmental Engineering* (FIEE) since 2012 (<http://www.seipub.org/fiee/>).
6. **Member of the Editorial Board** of the *International Journal of Renewable Energy Technology Research* (IJRETR) since November 2012 (<http://www.ijretr.org/>).
7. **Member of the Editorial Board** of the journal *Frontiers in Atmospheric Sciences* (FAS) since September 2013 (<http://www.edinwilson.org/journal/ffst>).
8. **Member of the Editorial Board** of the *Journal of Environment & Agricultural Studies* (JEAS) since April 2014 (<http://zealscienza.com/zealscienza/index.php/journal-of-environment-agricultural-studies>).
9. **Member of the Editorial Board** of the *Renewable Energy* (RENE) since June 2014 (<http://www.journals.elsevier.com/renewable-energy/editorial-board/>).
10. **Member of the Editorial Board** of the *Research Journal of Environmental Sciences* (RJES) since August 2017 (<http://rjes.amscentral.com/signin.php>).

#### H.8. Citations to publications

1. According to *Scopus* (<http://www.scopus.com/search/form.url?zone=TopNavBar&origin=NO%20ORIGIN%20DEFINED>) and setting the word **Kambezidis** in the serach tab there are found

(18/12/2013) **1465** citations from other scientists or **2111** citations in general to my published work in scientific journals.

2. According to *ResearchGate* ([https://www.researchgate.net/profile/Harry\\_Kambezidis/stats/citations](https://www.researchgate.net/profile/Harry_Kambezidis/stats/citations)) there are found (18/12/2015) **2476** citations from other scientists to my published work.



# SECTION I

## OTHER ACTIVITIES

### I.1. Various activities

1. Attendance of physics lectures at Demokritos Research centre, summer 1973.
2. Attendance of seminars on *Optronics Systems* at KETA, May 1979.
3. Attendance of a NATO/AGARD seminar on *The antennas efficiency in their operating environment*, Athens, Greece, October 1983.
4. Scientific visit to Aerologisches Forschungsinstitut in Munich, Germany, April 1982.
5. Scientific visit to Ruder Ruder Boškovič, Zagreb, Croatia, October 1985. [In the frame of the C.1.3 research project.]
6. Scientific visit to DLR, Wessling, Germany, June 1986. [Related to C.1.3.]
7. Design and construction of a 10-channel lowpass filter unit at NOA, 1988. [Related to B.8.12.]
8. State permission for practicing the profession of Radio Electrician A'.
9. **President** of 3-member committee at NOA in 1996 for receiving products and services.
10. **Invited speaker** to the open-day event *The approach of the aims of Local Authorities with the application of the new technologies in the fields of Agriculture, Environment & Tourism*, Greece, 24 January 1999. Talk on *Application of the new technologies for the improvement of the environmental indices*.
11. **Representing** CRES (as member of the Administrative Board) in the business retinue accompanying His Majesty the President of the Hellenic Republic K. Papoulis during his official visit to Zagreb, Croatia (13 – 14 March 2007).
12. **Invited speaker** to the open-day event *Night lighting - Rethymno*, organized by the Municipality of Rethymno and HIC, Rethymno, Crete, Greece, 21 April 2007. Talk on *Conclusions of the international conference Urban Nightscape 2006*.
13. Participation in the conference *Bridging Environment, Development and Cultural Inheritance*, Athens, Greece (15 June 2007).
14. Participation in the open-day event "*Green*" *enterprise & employment*, Athens, Greece (25 June 2007).
15. **Invited speaker** to the open-day event *Environment – time zero*, organized in the frame of DIMITRIA gala event, Ag. Dimitrios, Athens, Greece (21 October 2007). Talk on same subject with the title of the event.
16. Instructor in the conference on *Assessment and confrontation of natural hazards*, organized by EKDA, NOA and UNESCO, Athens, Greece (21 – 23 November 2007). Talk on *Causes of atmospheric pollution & its impact on the air quality of big cities*.
17. Participation in the "Working group 7" of EKDA as evaluator of questions posed by 3 appointed editors for a training course for public servants on *Legislative frame, permissions and applications of renewable energy sources*. (October 2009 – February 2010).

### I.2. Reference letters to me

1. From Prof. B.A. Sotiropoulos, AUTH, Greece, April 1989. [related to MRM.]
2. From Prof. T. Muneer, Napier University, UK, October 1994.

3. From Prof. T. Muneer, Napier University, UK, October 1997.
4. From P. Lamaris, President of EBHE, Greece.
5. From Prof. T. Muneer, Napier University, UK, July 1998.
6. From Prof. K. Cassios, NTUA, Greece, July 1998.
7. From Mr. F. Köpp, DLR, Germany, 1992.
8. From Prof. J. Bilbao, University of Valladolid, Spain, April 1995.
9. From Dr. S. Darula, Slovak Academy of Sciences, Slovakia, April 2005.
10. From Dr. A. Klumpp, University of Hohenheim, Germany, April 2005.
11. From Dr. P. Reinhartz, DLR, Germany, April 2005.
12. From Prof. P. Tregenza, University of Sheffield, UK, April 2005.
13. From Dr. Z. Tóth, Hungarian Meteorological Service, Hungary, April 2005.
14. From Prof. V. Badescu, Technical University of Bucharest, Romania, April 2005.
15. From I. Agapitidis, President of CRES, Greece, October 2006.
16. From A.P. Cracknell, Co-Editor-in-Chief, International Journal of Remote Sensing, December 2012.
17. From H. Lund, Co-Editor-in-Chief, Energy, January 2013.
18. From A. Thomas, Journal Manager, Atmospheric Environment, January 2013.
19. From D. Yogi Goswami, Co-Editor-in-Chief, Solar Energy, January 2013.
20. From Prof. T. Muneer, Napier University, UK, January 2013.
21. From Prof. V. Badescu, Technical University of Bucharest, Romania, February 2013.
22. From Prof. M. Wild, Technical University of Zurich (ETH-Zurich), Switzerland, March 2013.

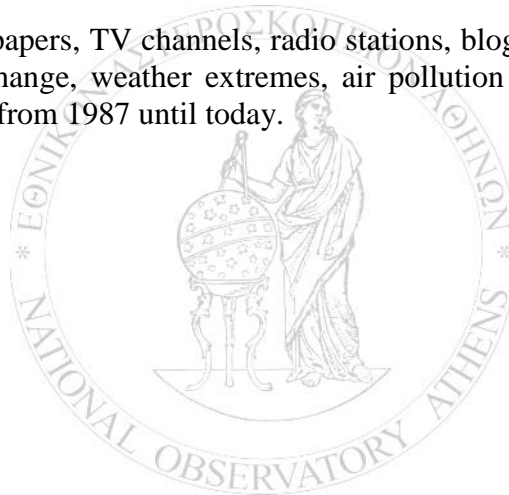
### **I.3. Reference letters from me**

1. To Dr. I. Michaelides to assert a managerial post in the Institute of Cyprus (letter 14 November 2006).
2. To Dr. V. Djepa, Bulgarian citizen, to assert a post in ESA (letter 13 November 2006).
3. To Dr. V. Djepa to assert a grant from DAAD (letter 13 November 2006).
4. To Dr. V. Djepa to assert a Lecturer post in the Geography & Geosciences Institute (letter 11 December 2006).
5. To Dr. V. Djepa to assert a programming scientist post in the Centre for Ecology & Hydrology, UK (letter 24 April 2007).
6. To Dr. V. Djepa to assert a research post in the King College London, UK (letter 3 May 2007).
7. To Dr. V. Djepa to assert a post-doctoral post in the Mullard Space Science Laboratory, UK (letter 5 June 2007).
8. To Dr. V. Djepa to assert a post-doctoral post in the National Centre for Earth Monitoring, UK (letter 6 February 2009).
9. To Dr. A.R. Sharma to assert a Research Assistant position in Earth System Research laboratory of NOAA, USA (letter 14 August 2009).
10. To Dr. S.K. Kharol to assert a Research Assistant position in Earth System Research laboratory of NOAA, USA (letter 14 August 2009).
11. To Dr. S.K. Kharol to assert a Post-Doctoral position in the Dept. of Physics & Atmospheric Science, Dalhousie University, Canada (letter 19 December 2009).
12. To Dr. V. Djepa to assert a visiting scientist post in UCAR, USA (letter 7 April 2010).
13. To Dr D. Kaskaoutis to assert a Post-Doctoral position in the Dept. of Geography, University of Sussex, UK (letter 29 May 2010).
14. To Dr. V. Djepa to assert a post-doctoral research associate post at the British Geological Survey, UK (letter 9 January 2011).

15. To Dr. V. Djepa to assert a PhD position at the Open University in UK in the field of *Astrophysics* (letter 1 May 2011).
16. To Dr. V. Djepa to assert a Post-Doctoral position in the Dept. of Applied Mathematics & Theoretical Physics, University of Cambridge, UK (letter 27 April 2012).
17. To Dr D. Kaskaoutis to assert a Project Manager position in the Dept. of Meteorology, University of Reading, UK (letter 5 August 2012).
18. To Dr D. Kaskaoutis to assert an Assistant Professor position in the Dept. of Atmospheric & Oceanic Sciences, University of McGill, Canada (letter 22 December 2012).
19. Dr. V. Djepa to assert a “Women in Science L’ OREAL” fellowship, UK (letter 12 March 2013).
20. Dr. V. Djepa to assert a fellowship at the Royal Society, UK (letter 18 September 2014).
21. Dr. V. Djepa to assert a post-doctoral research assistant post at the Oxford University, UK (letter 10 April 2015).
22. Dr. V. Djepa to assert a research associate position at the Cambridge University, UK (letter 17 April 2015).
23. Dr. U.C. Dumca to assert the Scientist-D position at ARIES, India (letter 13 June 2015).

#### **I.4. Reports to mass media**

1. **298** reports in newspapers, TV channels, radio stations, blogs and other journals in Greece related to climate change, weather extremes, air pollution effects on human health, and Saharan dust events from 1987 until today.



# SECTION J

## STATISTICAL DETAILS

(the most important up to now)

### General

State diplomas	1
University degrees	2
Postgraduate degrees	2
PhD	1
State-recognised university degrees	3
Member of scientific societies	17
Grants	6

### Published work-1

Articles in national scientific journals	15 (8 MK, 7 XK)
Articles in international scientific journals	157 (154 MK, 3 XK)
[Articles B.2.14, 25, 26 do not count as they constitute comments of other scientists.]	
Articles in national scientific conferences	43 (32 MK, 11 XK)
Articles in international scientific conferences - symposia	145 (139 MK, 6 XK)

Below the 2017 impact factor (IF) of the international scientific journals in which I have articles published is given according to the *Science Citation Index* ([http://thomsonreuters.com/products\\_services/science/science\\_products/a-z/science\\_citation\\_index/](http://thomsonreuters.com/products_services/science/science_products/a-z/science_citation_index/)); the number of the published articles in each journal is given in brackets:

1. <b>Advances in Geosciences</b>	[1]	<b>1.310</b>
2. <b>Advances in Meteorology</b>	[2]	<b>1.645</b>
3. <b>Advanced Materials Research</b>	[1]	-
4. <b>Applied Optics</b>	[2]	<b>1.791</b>
5. <b>Atmospheric Chemistry &amp; Physics</b>	[4]	<b>5.509</b>
6. <b>Atmospheric Chemistry &amp; Physics Discussions</b>	[3]	-
7. <b>Atmospheric Environment</b>	[15]	<b>3.708</b>
8. <b>Atmospheric Measurement Techniques</b>	[1]	<b>3.248</b>
9. <b>Atmospheric Research</b>	[13]	<b>3.817</b>
10. <b>Atmospheric Science Letters</b>	[1]	<b>1.198</b>
11. <b>Balkan Physics Letters</b>	[1]	-
12. <b>Boundary-Layer Meteorology</b>	[3]	<b>2.573</b>
13. <b>Building Research Journal</b>	[1]	-
14. <b>Climatic Change</b>	[1]	<b>3.537</b>
15. <b>Contributions to Atmospheric Physics</b>	[1]	-
16. <b>Energy</b>	[1]	<b>4.968</b>
17. <b>Energy Conversion &amp; Management</b>	[2]	<b>6.377</b>
18. <b>Energy Procedia</b>	[1]	-
19. <b>Energy Policy</b>	[1]	<b>4.039</b>
20. <b>Environmental Science &amp; Pollution Research</b>	[1]	<b>2.800</b>
21. <b>Environmetrics</b>	[1]	<b>1.321</b>
22. <b>Forest Ecology &amp; Management</b>	[1]	<b>3.169</b>

23. <b>Fresenius Environmental Bulletin</b>	[21]	<b>0.425</b>
24. <b>Geomatics, Natural Hazards &amp; Risks</b>	[1]	<b>1.713</b>
25. <b>Global Nest Journal</b>	[2]	<b>0.280</b>
26. <b>Global &amp; Planetary Change</b>	[2]	<b>3.982</b>
27. <b>Il Nuovo Cimento C</b>	[2]	<b>0,600</b>
28. <b>International Journal of Atmospheric Sciences</b>	[1]	-
29. <b>International Journal of Climatology</b>	[3]	<b>3.100</b>
30. <b>International Journal of Environment &amp; Pollution</b>	[2]	<b>0.320</b>
31. <b>International Journal of Remote Sensing</b>	[4]	<b>1.782</b>
32. <b>J. of Applied Meteorology (vvv J. of Applied Met. &amp; Climatol.)</b>	[1]	<b>2.236</b>
33. <b>Journal of Atmospheric Chemistry</b>	[2]	<b>1.708</b>
34. <b>Journal of Atmospheric &amp; Solar-Terrestrial Physics</b>	[11]	<b>1.492</b>
35. <b>Journal of Fundamentals of Renewable Energy &amp; Applications</b>	[2]	<b>0.760</b>
36. <b>Journal of Geophysical Research - Atmospheres</b>	[3]	<b>3.450</b>
37. <b>Journal of Solar Energy Research Updates</b>	[1]	-
38. <b>Lighting Research &amp; Technology</b>	[2]	<b>1.961</b>
39. <b>Meteorology &amp; Atmospheric Physics</b>	[5]	<b>1.356</b>
40. <b>Pure &amp; Applied Geophysics</b>	[4]	<b>1.652</b>
41. <b>Quarterly Journal of Royal Meteorological Society</b> (B.2.14 does not count)	[3]	<b>2.978</b>
42. <b>Remote Sensing of the Environment</b>	[1]	<b>6.457</b>
43. <b>Renewable Energy</b>	[6]	<b>4.900</b>
44. <b>Renewable &amp; Sustainable Energy Reviews</b>	[1]	<b>9.184</b>
45. <b>Science of the Total Environment</b>	[1]	<b>4.610</b>
46. <b>Solar Energy (B.2.25 &amp; B.2.26 do not count)</b>	[8]	<b>4.374</b>
47. <b>Solar Energy Materials &amp; Solar Cells</b>	[1]	<b>5.018</b>
48. <b>Theoretical &amp; Applied Climatology</b>	[3]	<b>2.321</b>
49. <b>Water, Air &amp; Soil Pollution</b>	[2]	<b>1.769</b>
50. <b>Zeitschrift für Meteorologie (vvv Meteorologische Zeitschrift)</b>	[1]	<b>1.436</b>

### Published work-2

Monographs	<b>5</b>
Chapters in books	<b>11</b>
Guest editor	<b>4 times</b>
Technical reports	<b>39</b>

### Effectiveness

1. By applying the below formula for the *Total Impact Factor (TIF)* of my published works to the above 50 international journals:

$$TIF = \frac{\sum_{i=1}^N IF_i f_i}{N}$$

where IF is the impact factor of each journal according to the above Table, f is the frequency of occurrence (number of published articles of mine) in each journal, N is the total number of journals (here N=50) and i=1.....50; then it is found that:

$$TIF = 7.588.$$



2. *Scopus*  
<https://www.scopus.com/search/form.uri?zone=TopNavBar&origin=authorNamesList&display=authorLookup>) deploys today (8/8/2018) **149** published articles of mine after entering the keyword **Kambezidis**.

The number of citations to my publications, excluding the self ones ( $ETA_{Scopus}$ ), as registered in the *Scopus* website for the period 1996 – 8/8/2018, is  $ETA_{Scopus} = 2374$ . In the same website all tabulated publications of mine are  $KAD_{Scopus} = 149$ . By diving  $ETA_{Scopus}$  by  $KAD_{Scopus}$  the number of citations from other scientists per published article of mine ( $AEDA_{Scopus}$ ) is equal to:

**$AEDA_{Scopus} = 15.933$  citations/article.**

The **h index** from *Scopus* for all publications of mine from 1996 to 8/8/2018 is:

**h = 30** for all citations, and

**h = 27** for all citations excluding self ones.

3. *The Web of Science*  
[http://apps.webofknowledge.com/UA\\_GeneralSearch\\_input.do?product=UA&SID=F3L8btjYokskrtpx6fL&search\\_mode=GeneralSearch](http://apps.webofknowledge.com/UA_GeneralSearch_input.do?product=UA&SID=F3L8btjYokskrtpx6fL&search_mode=GeneralSearch)) cites today (8/8/2018) **138** published articles of mine after entering the keyword **Kambezidis**.

The number of citations to my publications, excluding the self ones ( $ETA_{WebofScience}$ ), as registered in the *Web of Science* website for the period 1996 – 8/8/2018, is  $ETA_{WebofScience} = 2148$ . In the same website all tabulated publications of mine are  $KAD_{WebofScience} = 138$ . By diving  $ETA_{WebofScience}$  by  $KAD_{WebofScience}$  the number of citations from other scientists per published article of mine ( $AEDA_{WebofScience}$ ) is equal to:

**$AEDA_{WebofScience} = 18.640$  citations/article.**

The **h index** from the *Web of Science* for all publications of mine from 1996 to 8/8/2018 is:

**h = 29** for all citations, and

**h = 27** for all citations excluding self ones.

### Research work

Participation in research projects and studies	<b>42</b>
Coordination of research projects and studies	<b>15</b>

### Educational work

Supervision of undergraduate university theses	<b>31</b>
Supervision of postgraduate university theses	<b>22</b>
Supervision of doctorate projects	<b>13</b> (2 outside Greece)
Supervision of training courses for students	<b>44</b>

### Scientific recognition

Review of articles submitted to scientific journals	<b>77</b> journals
Review of articles submitted to scientific conferences - symposia	<b>18</b> conferences
Evaluator of research proposals	<b>51</b> times
Review of books or separate chapters	<b>9</b>

Member of monitoring committee of doctorate projects in Greece	5 times
Member of monitoring committee of doctorate projects abroad	2 times
External examiner of doctorate projects abroad	5 times
Dissemination of scientific information to the public	298 times

<b>Managerial experience</b>	
President of committees and societies	7 times
Member of Administrative Boards of committees and societies	7 times

<b>Innovations</b>	
Developemnt of the internationally recognized MRM code.	
Upgrade of ASNOA infrastructure.	
First measurements of solar radiation on inclined planes in Greece.	
First application of Unsworth-Monteith turbidity index in Greece.	
First application of the ITA method in Greece.	

