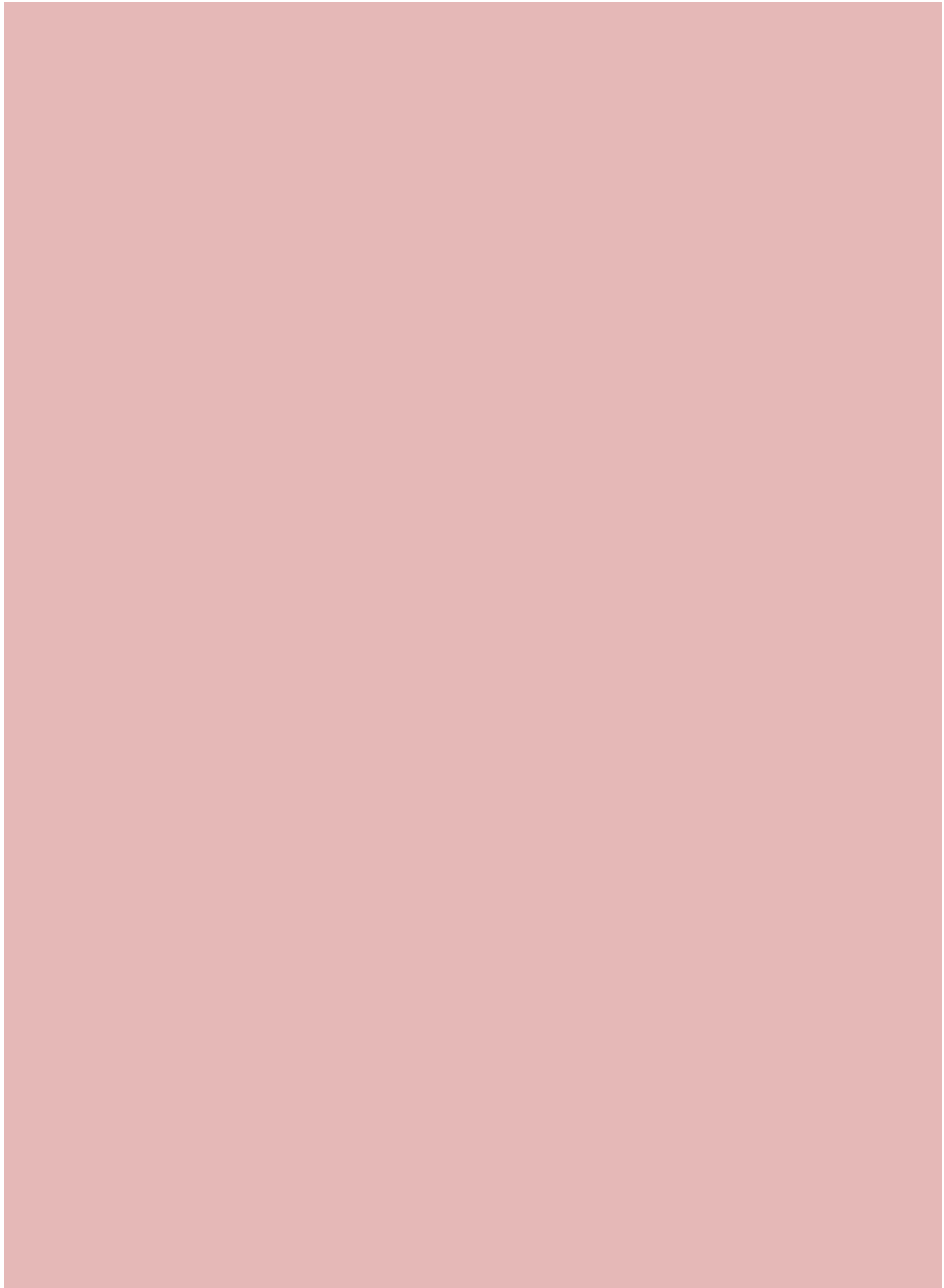


**CURRICULUM VITAE**  
**Dr. PAVLOS KASSOMENOS**

**MAY 2013**





## 1. PERSONAL INFORMATION

Surname : Kassomenos  
Name : Pavlos  
Marital Status : Married  
Place and Date of Birth : Piraeus, 8/1/1956

Home Address:

Street name and Address: Velisariou 15-19  
Postal Code : 45 221  
City :  
Ioannina  
Country : Greece  
Phone : + 30 -26510-49633  
Mobile : + 30 -6944- 697950  
Fax : +30-26510-08671  
Email : pkassom@uoi.gr

kassomenos.pavlos@gmail.com

Organization of Employment:

University of Ioannina, School of Physics, Division of Environment and Meteorology  
Address : University Campus of Ioannina  
Postal Code : 45 110  
City : Ioannina  
Country : Greece  
Phone : + 30 - 26510-08470  
: + 30 - 6944 697950  
Fax : + 30 - 26510-08671  
Email : [pkassom@uoi.gr](mailto:pkassom@uoi.gr)  
: [kassomenos.pavlos@gmail.com](mailto:kassomenos.pavlos@gmail.com)  
: <http://users.uoi.gr/pkassom>

## 2. HIGHER EDUCATION

- B.Sc., University of Patras, School of Physics, Patras, Greece, 1979.
- M.Sc., University of Athens, School of Physics, Athens, Greece, 1981.
- Ph.D., University of Athens, School of Physics, Athens, Greece, 1993.
- Honorary Research Fellow, School of Geography and the Environment, University of Birmingham, UK, 2004-2005
- Honorary Research Fellow, School of Public health, King's College, London, UK, 2010
- Honorary Research Fellow, Environment Institute, Joint Research Center of the European Union/ISPRA Italy, 2010.

### 3. LANGUAGES

English, Greek (mother tongue), French

### 4. EMPLOYMENT

1983-1985, Research Associate, Dept. of Applied Physics, University of Athens, Athens, Greece and the Greek Ministry of Planning, Housing and the Environment.

1985-1990, Teaching in high schools (Physics, Chemistry, Environmental Technology)

1990-1994, Research Associate, Dept. of Applied Physics, University of Athens, Greece.

1995-1997, Research Associate, National Observatory of Athens, Institute of Meteorology and Physics of the Atmospheric Environment, Athens, Greece

1997-1999, Research Associate, Dept. of Applied Physics, University of Athens Athens, Greece, also teaching in high schools (Physics, Chemistry and Environmental Technology).

1999-2000 Temporal Associate Professor, Technical University of Crete, Department of Environmental Engineering

2000-2006 Assistant Professor, University of Ioannina, School of Physics, Division of Environment and Meteorology.

2006-today Associate Professor, University of Ioannina, Department of Physics, School of Physics, Division of Environment and Meteorology.

2009-today Coordinator of the program “Management of waste gases in the air” of the Greek Open University.

2011-today Associate editor of the Elsevier’s Journal “The Science of the Total Environment”.

### 5. TEACHING EXPERIENCE

I have taught the following subjects:

#### **Undergraduate Courses**

- Environmental Meteorology, 1999-2000, School of Environmental Engineering, Technical University of Crete, Greece.
- Environmental Physics, 2001-today, School of Physics, University of Ioannina, Greece.
- Meteorology, 2001-2009, School of Physics, University of Ioannina, Greece.
- Fluid Mechanics, 2003, School of Physics, University of Ioannina, Greece.

#### **Postgraduate Courses**

##### **1. «Meteorology-Climatology and Physics of the Atmospheric Environment, University of Ioannina, School of Physics »**

#### **Subjects Taught**

- General Meteorology and Organology, 2002-2007.
- Environmental Physics, 2002-2007.
- Environmental Chemistry and Air Pollution Models, 2002-2007.
- Natural Resources, Natural Disasters and Risk Analysis, 2002-2007.

**2. «Atmospheric Sciences and the Environment, University of Ioannina, School of Physics»**

**Subjects Taught**

- General Meteorology, 2008-2011.
- Environmental Physics, 2008-today.
- Environmental Impact Assessment, 2008-today
- Atmospheric Chemistry, 2008-today
- Man and its Environment, 2007-today

**3. «Postgraduate Studies on the Environment and the new Technologies, Technical Education Foundation of Thessaloniki»**

**Subject Taught**

- Atmospheric Physics, 2005-2009.

**4. «Postgraduate Studies on Chemistry and Environmental Technology, University of Ioannina, School of Chemistry»**

**Subject Taught**

- Air quality Models, 2009-today.

**5. «Postgraduate Studies on Waste Management of the Greek Open University»**

**Subject Taught**

- Management of waste gases in the air, 2009-today.

**6. «Management of Environmental issues affecting Public health, University of Athens, Medical School” .**

**Subject Taught**

- Climate Models, Risk Assessment and Public health

**PhDs**

1. Anastasia Paschalidou, University of Ioannina, School of Physics, 2007. «Creation of a Box model for the prediction of Air pollution in medium size cities»
2. Aristotle Papadopoulos, University of Ioannina, School of Physics, 2007. «Meteorological conditions prevailing during wild fires in Greece»
3. Dimitrios Kaskaoutis, University of Ioannina, School of Physics, 2008. «Study of the optical properties and the aerosol type over different land uses, by using data from satellites and the AEPONET network».
4. Spyros Karakitsios, University of Ioannina, School of Biological Applications and Technologies, 2008. «Exposure of various groups of population on benzene and factors that are forming it»

5. Bill Evangelopoulos, University of Ioannina, School of Chemistry 2008. «On the investigation of air pollution in an urban and industrial areas using chemical and computational methods »
6. Konstantinos Dimitriou, University of Ioannina, School of Physics 2012. Study of PM10's in the atmospheres of various European Cities. Regional and local Sources».
7. Areti Vlahogianni, University of Ioannina, School of Physics 2013, «Comparative Study of air pollution levels in Greek and Finish cities».
8. George Efstathiou, University of Ioannina, School of Physics, 2013«Study of the parameterazations of ABL and microphysics processes to the simulation of heavy rains».
9. John Panagopoulos, University of Ioannina, School of Physics «Wind flow in an Urban environment». To be finished in 2014.
10. Sotiris Manopoulos, University of Ioannina, School of Physics «Energy efficiency in Buildings». To be finished in 2015.

## 6. PARTICIPATING IN RESEARCH PROJECTS

### A. *Scientific Responsible in Research Projects*

1. Integrated Environmental Monitoring, Forecasting and Warning Systems in Metropolitan Areas (EMMA).

Country :Italy, England, Spain, Sweden, Greece.  
 Time Period :1996-1998.  
 Collaborations :IMPETUS LTD, Stockholm SLB, ITATEL TECHNITEL, SICE, Universities of Madrid, Nottinham, Middlessex, JRC-ISPRA (EI).  
 Funding :CEU (DG XIII).

2. Environmental Monitoring Warning and Emergency Management System (ENVISYS).

Country :Greece, Spain, Norway.  
 Time Period :1995-1996.  
 Collaborations :Impetus Ltd, University of Valencia, Informationkontrol (Norge).  
 Funding :CEU.

3. PHEWE: Assessment and Prevention of Acute health effects of Weather Conditions in Europe.

Time Period :2002-2005.  
 Collaboration :WHO, University of Athens (Medical School), University of Birmingham among others.  
 Funding :EU-Quality of Life.

4. Environmental Indices concerning Aerosols in Athens and Belgrade.

Time Period :2002-2004.  
 Collabrations :Serbian Institute of Meteorology and Hydrology, National Observatory of Athens.  
 Funding :GSRT

5. Indices for Environmental Disasters.

Time Period :2003-2005.  
 Collaborations :National Observatory of Athens, Bogagishi Un, Turkey.

Funding :GSRT

6. PROTEPE. Advanced Techniques on Environmental measurements and predictions.

Time Period :2003-2005.

Collaborations :Aristotle Univ of Thessaloniki, University of Thrace, National Technical Un of Athens, National Observatory of Athens, University of Athens.

Funding :GSRT

7. EPEAEK II-Courses in Postgraduate Studies

Time Period :2003-2005.

Funding :Greek Ministry of Education.

8. Project PYTHAGORAS. Exposure of Population Groups on pollutants concentrations, indoor and outdoors.

Time period :2004-2007.

Collaborations :Department of Biological Applications and Technologies

Funding :Greek Ministry of Education

9. Planning for the sustainable management of the water resources of the Aaos/Vjosa river across Greek-Albanian borders.

Time period :2005-2008.

Collaborations :Albanian Academy of Sciences.

Funding :G.S.R.T.

10. Development of a National Research Network for the European Research Infrastructure COPAL.

Time Period :2010.

Collaborations :Aristotle University of Thessaloniki, Univ of Athens, Academy of Sciences, National Technical University of Athens, Univ of Crete.

Funding :G.S.R.T.

11. Climate Change and Public Health in Cyprus.

Time Period :2011-2014.

Collaborations :Univ. Of Cyprus, University of Thrace, Kings College, London.

Funding :Cyriot Foundation for the promotion of Scientific Research.

12. Project Heraclitus. Study of rainflow episodes in the area of Eastern Chalkidiki, Greece.

Time Period :2010-2013.

Collaborations :Aristotle University of Thessaloniki.

Funding :Greek Ministry of Education.

13. Project Cooperation. A greek system of management of Natural risks systems.

Time period :2013-2015.

Collaborations :EPSILON , ATESE, DEMOCRITUS, EKPA.

Funding :ESPA 2007-2013.

## ***B. Participation in Research Projects.***

1. Study of the meteorological conditions conducive to air pollution episodes over Athens, Greece.

Country : Athens, GR.  
Time period : 1983-84.  
Collaborations : University of Athens.  
Funding : Ministry of Planning, Housing and the Environment GR /  
European Community.

2. Air pollution study of the Megalopolis industrial valley.

Country : Megalopolis, GR.  
Time period : 1983-84.  
Collaborations : University of Athens - National Observatory of Athens  
Funding : Public Power Corporation, GR.

3. Study of the air pollutant transport from the Thriassion valley to the Athens Basin.

Country : Thriassion valley, GR.  
Time period : 1983-84.  
Collaborations : University of Athens.  
Funding : Borough of Nikea.

4. Study of the air transport over Athens and the Greater Athens Area.

Country : Athens, GR.  
Time period : 1984-85.  
Collaborations : University of Athens - National Observatory of Athens.  
Funding : Ministry of Planning, Housing and the Environment GR/CEC.

5. Models to predict meteorological conditions conducive to air pollution episodes.

Country : Athens, GR.  
Time period : 1984-1985  
Collaborations : University of Athens.  
Funding : Ministry of Planning Housing and the Environment, GR/CEC.

6. Climatological conditions study of the air pollution episodes in Athens, period 1983-87.

Country : Athens, GR.  
Time period : 1988-89.  
Collaborations : University of Athens.  
Funding : Ministry of Planning Housing and the Environment, GR.

7. Experimental and modelling study of the dispersion conditions in Athens, Greece.

Country : Athens, GR.  
Time period : 1990-1991.  
Collaborations : University of Athens  
Funding : General Secretariat of Research and Technology, GR.

8. A study of weather conditions during air pollution episodes in Athens, Greece. Model Simulations. New Techniques in Graphics and Parallel Processing.

Country : Athens, GR.  
Time period : 1991-1993  
Collaborations : University of Athens.  
Funding : IBM-T.J. Watson Research Centre, USA, IBM Hellas and the  
General Secretariat of Research and Technology, GR.

9. Simulations of flow fields and the dispersion in the Mediterranean area.



Country :Greece  
Time Period :1992.  
Collaborations :University of Athens  
Funding :World meteorological Organization (W.M.O)

10. Creation of a national network of Environmental Informatics.

Country : Greece  
Time period : 1992  
Collaborations : Departments of Informatics and Applied Physics of the University of Athens  
Funding : CEC

11. Development of data bases for meteorological and hydrological information (project STRIDE).

Country : Greece.  
Time period : 1992-1994.  
Collaborations : University of Athens, NTUA, Aristotle University of Thessaloniki, NRC “Democritus”, and NOA  
Funding : CEC /STRIDE project

12. Study of the South European cycles of air pollution.

Country :Greece  
Time period :1992-94.  
Collaborations :National Observatory of Athens, among others.  
Funding :CEC.

13. Theoretical and experimental study of the evolution of Atmospheric Boundary Layer in Athens.

Country : Greece.  
Time period : 1995.  
Collaborations : University of Athens.  
Funding : General Secretariat of Research and Technology.

14. CEO (Center of Earth Observation in Agriculture). Proof of Concept.

Country :Greece.  
Time period :1995-1996.  
Collaborations :Universities of Athens and Thessaly, ETHIAGE, INTRACOM.  
Funding :CEC.

15. Measurements of air pollutants by using airplane over Athens and Thessaloniki ( Project STAAARTE).

Time period :1996-1997.  
Collaborations :Universities of Thessaloniki and Athens, DLR.  
Funding :CEC.

16. Project TCA/AQ (thematic Centre for the Air Quality).

Country :Greece, Holland, Norge  
Time period :1995-1998.  
Collaborations :Rivm, Nilu, TNO.  
Funding :CEC.

17. Study of Air Pollution using satellite images (Project LIFE).

Country :Greece.  
Time period :1995-1996.  
Collaboration :University of Athens.  
Funding :Ministry of Environment, CEU.

18. Creation of a human Network for air pollution issues (Project Hydra).

Country :Greece.  
Time period :1995-1996.  
Collaborations :Universities of Athens, Thessaloniki, Patras, National Technical University of Athens.  
Funding :GSRT.

19. National network for the detection of the Atmospheric Environment in Greece (EPPER 4).

Country : Greece.  
Time Period : 1996-1998.  
Collaborations : NTUA, University of Thessaloniki.  
Funding : YPEHODE.

20. Inventorying of the requirements and Hammering out a plan to apply the EU directive for the integrated prevention pollution control (IPPC) (EPPER 4).

Country : Greece.  
Time period : 1996-1998.  
Collaborations : NTUA, IMPAE  
Founding : YPEHODE.

21. Creation of a mobile remote sensing station to detect air pollutant's using Lidar technology (EPPER 4).

Country : Greece.  
Time period : 1996-1998.  
Collaborations : University of Patras, University of Thessaloniki  
Founding : YPEHODE.

22. Development of an operational center for the detection of air pollution and enforcement of restrictive measures in the Greater Athens area. (EPPER 4).

Country : Greece.  
Time period : 1996-1997.  
Collaborations : Universities of Patras, Thessaloniki, and ENVECO.  
Funding : YPEHODE.

23. Study of the air pollution status in the Athens Basin. Phase I

Time period :1996-1997.  
Collaborations :JRC-ISPRA (EI).  
Funding :JRC-ISPRA (EI).

24. MEDACT-APHRODITE.

Time Period :1997-1998.  
Colaborations :Univ of Athens , Cypriot Ministries.  
Funding :CEU.

25. Inland Sattelite Observation for Local Exploitation (ISOLE).

Time Period :1997-1999.  
Collaborations :Univ. Athens, CETEMAR, VITROCISSET, SAI, SMA.  
Funding :CEU.

26. Study of the air pollution status in the Athens Basin. Phase II

Time period :1998-1999.  
Collaborations :JRC-ISPRA (EI).  
Funding :JRC-ISPRA (EI).

27. Study of the air pollution status in the Athens Basin. Phase III

Time period :1999-2000.  
Collaborations :JRC-ISPRA (EI).  
Funding :JRC-ISPRA (EI).

28. National Network of Environmental Informatics (Main Project).

Time period :1999-2001.  
Collaborations :EPSILON.  
Funding : Ministry for Environment

29. Integrated Information System for Monitoring Environmental Emergencies of High Probability of Occurrence in the Mediterranean (PROMED).

Time period :1999-2001.  
Collaborations :SASEMAR, INDI.  
Funding :Ministry for Environment, CEU-DG XI.

30. I-CARE: Integrated tool for planning and management in coastal areas.

Time period :2005-2008.  
Collaborations :Universities of Patras and Lecce, Prefecture of Achaia.  
Funding :INTERREG III-ARCHIMED

31. Project Pythagoras II. Study of air pollution from fine and ultra fine particles in the Athenian atmosphere. Concentration levels by mass, number, spatial and time variation and quantitative assessment of the participating sources.

Time Period :2005-2008.  
Collaborations :School of Chemical Engineering, National Technical University of Athens  
Funding :Greek Ministry of Education.

32. Project Pythagoras II. Study of the mechanisms of transportation and the origin of airborne particles and ozone in the Athens basin using contemporary optical methods and Laser techniques.

Time period :2005-2008.  
Collaborations :School of Applied Mathematics and Physics, National Technical University of Athens.  
Funding :Greek Ministry of Education

### **C. Projects, Studies**

1. Study of the air pollutant transport from the Thriassion valley to the Athens Basin.

Country : Thriassion valley, GR.  
Time period : 1983-84.

Collaborations : University of Athens.  
Funding : Borough of Nikea

2. Air pollution study of the Megalopolis industrial valley.

Country : Megalopolis, GR.  
Time period : 1983-84.  
Collaborations : University of Athens - National Observatory of Athens  
Funding : Public Power Corporation, GR.

3. Study of the dispersion of air pollutants released from the power plant in Lavrio and Aliveri.

Country : Greece.  
Time period : 1992-1993.  
Collaborations : University of Athens  
Funding : Public Power Corporation.

4. Study of the dispersion of air pollutants released from the power plant of Soroni, Rhodes.

Country : Greece.  
Time period : 1992-1993.  
Collaborations : University of Athens  
Funding : Public Power Corporation.

5. Study of the dispersion of air pollutants released from the power plant of Ag. Georgios in Keratsini after its modification to natural gas unit.

Country : Greece.  
Time period : 1992-1993.  
Collaborations : University of Athens  
Funding : Public Power Corporation.

6. Environmental impact assessment study for the airport of Lemnos.

Country : Greece.  
Time period : 1993.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

7. Environmental impact assessment study for the airport of Mykonos.

Country : Greece.  
Time period : 1993.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

8. Environmental impact assessment study for the airport of Rhodes.

Country : Greece.  
Time period : 1993.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

9. Environmental impact assessment study for the airport of Kos.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

10. Environmental impact assessment study for the airport of “Macedonia” airport, Thessaloniki.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

11. Environmental impact assessment study for the airport of Serres.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, National Technical University of Athens  
Funding : ADK SA, SIVILLA LTD.

12. Preliminary study for the installation of the new units of PPC in Soroni, Rhodes.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

13. Study of the dispersion-diffusion of air pollutants released from the new programming units of PPC in Lavrio and Aliveri.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

14. Study of the dispersion of air pollutants released from the power plant of Thera.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

15. Study of the dispersion of air pollutants released from the power plant of Melos.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

16. Study of the dispersion of air pollutants released from the power plant of Karpathos.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

17. Study of the dispersion of air pollutants released from the power plant of Kalymnos.

Country : Greece.  
Time period : 1994.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Public Power Corporation.

18. Study of the dispersion of air pollutants released in the area of construction of the new peripheral road of Mandra-Magoula-Aspropyrgos.

Country :Athens, Greece.  
Time period :1994.  
Collaborations :IMPETUS LTD.  
Funding :Mandra Municipality.

19. Microclimatic study for the formation of banks of Kifissos river in the area of installation of the bridge of Metamorphose of the circular road of Elefsina-Stavrou-Spata.

Country : Greece.  
Time period : 1995.  
Collaborations : National Technical University of Athens.  
Funding : IMPETUS, LTD.

20. Environmental impact assessment study for the tunnels of Metamorphose and Heraklion in the highway road Elefsina-Stavros-Spata.

Country : Greece.  
Time period : 1995.  
Collaborations : IMPETUS, LTD, ODOOTECHNIKI SA.  
Funding : IMPETUS, LTD.

21. Study of dispersion-diffusion of air pollutants released from the new programming units of PPC in Soroni, Rhodes.

Country : Greece.  
Time period : 1995.  
Collaborations : University of Athens.  
Funding : Public Power Corporation.

22. Environmental Impact Assessment Study for the METRO of Athens.

Country : Greece.  
Time period : 1994-1995.  
Collaborations : IMPETUS LTD, DROMOS SA  
Funding : YPEHODE

23. Investigation of the implications in air quality in the Greater Athens Area apart from the operation of the new airport in Spata and the old one in Hellinikon.

Country : Greece.  
Time period : 1994-1995.  
Collaborations : University of Athens, Aristotle University of Thessaloniki  
Funding : Athens Airport SA, YPEHODE.

24. Environmental Impact Assessment Study for the road of Nikea-Larisa and the deviation of Farsala.

Country : Greece.  
Time Period : 1996.  
Collaborations : SIMA LTD  
Funding : YPEHODE.

25. Environmental Impact Assessment Study for the road Kastanies-Ormenio, Evros.

Country : Greece.  
Time period : 1996.

Collaboration : IMPETUS LTD  
Funding : YPEHODE.

26. Environmental Impact Assessment Study for the bridge of Alfios, Helia.

Country : Greece.  
Time period : 1996.  
Collaboration : IMPETUS LTD  
Funding : YPEHODE

27. Environmental Impact Assessment Study for the deviation of Limni, Evia.

Country : Greece  
Time period : 1995-1996.  
Collaboration : International Planning LTD  
Funding : YPEHODE.

28. Environmental Impact Assessment Study for the road Istiea-Edipsos.

Country : Greece  
Time period : 1995-1996.  
Collaboration : International Planning LTD  
Funding : YPEHODE.

29. Environmental Impact Assessment Study for the road Marmari-Karistos.

Country : Greece  
Time period : 1995-1996.  
Collaboration : International Planning LTD  
Funding : YPEHODE.

30. Environmental Impact Assessment Study for the road of Krieza-Zarakes, Evia.

Country : Greece  
Time period : 1995-1996.  
Collaboration : International Planning  
Funding : YPEHODE

31. Environmental Impact Assessment study for the road of Zarakes-Marmari Evias.

Country : Greece  
Time period : 1995-1996.  
Collaborations : International Planning LTD  
Funding : YPEHODE.

32. Environmental Impact Assessment study for the deviation road of Amfissa.

Country : Greece  
Time period : 1995-1996.  
Collaborations : International planning LTD  
Funding : YPEHODE.

33. Environmental Impact Assessment study for the road Logitsi-Tatarna, Evritania.

Country : Greece  
Time period : 1995-1996.  
Collaboration : International planning LTD  
Funding : YPEHODE.

34. Risk assessment studies for industries in Northern Greece (Western Thessaloniki).

Country : Greece.  
Time period : 1995-1997.  
Collaboration : NTUA  
Funding : YPEHODE

35. Study for the restoration of the area in which the Helliniko airport is situated after its transportation in Spata.

Country : Greece.  
Time Period : 1996-1997.  
Collaborations : NTUA  
Funding : YPEHODE.

36. Environmental Impact Assessment study for the new airport of Kithira

Country : Greece.  
Time period : 1995-1996.  
Collaborations : IMPETUS LTD  
Funding : Civil Aviation Service

37. Microclimatic study for the construction of an open theatre in Seih-Sou, Thessaloniki.

Country : Greece.  
Time period : 1996.  
Collaboration : General Company of Constructions  
Funding : GCC.

38. Examination of remote sensing techniques for the detection of the kind and the vegetation quality and the crop estimation. EPET II (GSRT) No. 66.

Country : Greece  
Time Period : 1996-1997.  
Collaborations : Univ. of Thessaloniki, Athens, Aegean, and NTUA.  
Funding : CEU

39. Investigation of the implications on air quality in the greater Kalymnos area from the operation of the new airport of Kalymnos.

Country : Greece  
Time Period : 1998-1999.  
Collaborations : IMPETUS LTD.  
Funding : CAS (Greek Civil aviation Service)

40. Investigation of the effects in the Atmospheric Environment from the operation of Refineries. The case of Petrola.

Time period :1997-1998.  
Collaborations :National Technical University of Athens  
Funding :Petrola LTD.

41. Integrated system for the detection and observation of oil spills.

Time period :1997-1999.  
Collaborations :Un. Of Athens, IMPETUS EΠΕ  
Funding :GSRT.

42. Operational Center for the Prediction of air pollution episodes in Athens II (Main Project)



Country : Greece  
Time period :1999-2001.  
Collabotaions :SIVILLA TTD  
Funding : Greek Ministry of Environment

43. Operational Center for the Prediction of air pollution episodes in Athens III (Consultant)

Country : Greece  
Time period :1999-2001.  
Collaborations :ADK SA  
Funding : Greek Ministry of Environment

44. Turbulent flows during landing and taking off of airplanes in the airport of Chios, Greece.

Country : Greece  
Time period : 2000.  
Collaborations :SIVILLA LTD  
Funding : Greek Ministry of Environment

45. Master plan for the abatement of air pollution in the city of Ioannina, Greece.

Country : Greece  
Time period :2003  
Collaborations :ADK SA, AXON LTD  
Funding :Ministry of Environment

46. Master plan for the abatement of air pollution in the city of Mytilene, Greece.

Country : Greece  
Time period :2003  
Collaborations :ADK SA, AXON LTD.  
Funding :Ministry of Environment

47. Environmental Impact Assessment of the construction of a “Chamber” and restoration of the road between 387-399 Kms in the railway of Athens-Thessaloniki.

Time period :2000.  
Collaborations :Impetus LTD  
Funding :Prefecture of Larissa.

48. Study of the atmospheric circulation in the area of the installation of the new airport of Kasteli, Heraklion, Crete.

Time period :2003.  
Collaborations : Civil Aviation Service, ETE.  
Funding : Civil Aviation Service, Greece.

49. Study of the atmospheric circulation in the area of the installation of the new airport of Tripoli.

Time period :2003.  
Collaborations :Civil Aviation Service, ETE.  
Funding :Civil Aviation Service, Greece.

50. Study of the dispersion-difussion of air pollutants in the area of Kavos-Sidero, Crete.

Time period :2006.  
Collaborations :Loyalward Group Plc, ETE.  
Funding :ETE

51. Study of the dispersion-difussion of air pollutants in the area of Pireaus after the extension of TRAM in this area.

Time period :2006.

Funding :ETE

52. Study of the dispersion-difussion of air pollutants in the area of Gold mines in Chalkidiki.

Time period :2010.

Funding :ENVECO LTD

53. Study of the dispersion-difussion of air pollutants in the area of Gold mines in Perama, Evros.

Time period :2011.

Funding :ENVECO LTD

54. Study of the dispersion-difussion of air pollutants in the area of Gold mines in Sapes, Thrace.

Time period :2011.

Funding :ENVECO LTD

55. Study of the dispersion-difussion of air pollutants in Cyprus, in the area of establishment of the new factory for burning of wastes.

Time period :2011.

Funding :ENVECO LTD

56. Evaluation of the measurements during the project "Obsrvations of Road Traffic Noise in Attiki Road.

Time Period :2012-2013.

Funding :Dynamic Acoustics LTD.

## **7. SCIENTIFIC COLLABORATIONS WITH OTHER INSTITUTIONS AND PRIVATE COMPANIES**

1. King's College, University of London, UK
2. Joint Research Center, ISPRA, Italy. Institute for Environment and Health, EU.
3. Harvard Univeristy, School of Public Health, USA.
4. University of Southern California, USA.
5. University of Wisconsin-Madison, USA
6. Finnish Meteorological Institute, FI.
7. The University of Birmingham, UK.
8. University of Augsburg, Germany.
9. The University of Auckland, NZ.
10. Joint Research Center, ISPRA, Italy. Institute for Consumers Protection, EU.
11. European Environment Agency, Kopenhagen, Danmark
12. IDAEA-CSIC, Barcelona, Spain
13. Bogazici University, TR
14. Health Protection Agency, UK.
15. National Technical University of Athens, GR.
16. Aristotle University of Thesaloniki, GR.
17. National Observatory of Athens, GR.

18. University of Athens, GR
19. University of Patras, GR.
20. Democritus University of Thrace, GR
21. University of Crete, GR
22. General Secretariat of Research and Technology, GR.
23. Ministry of Environment, GR.
24. Democritus Research Center in Greece.
25. Power Public Corporation.
26. Greek Met Office
27. Greek Private Companies

## **8. MEMBERSHIPS**

1. Hellenic Meteorological Society- Member.
2. Hellenic Physical Society- Member.
3. European Association for the Science of Air Pollution – Member
4. American Meteorological Society-Member
5. International Society of Biometeorology – Member
6. International Association of the Urban Climate- Member

## **9. EDITORIAL**

1. The science of the Total Environment. Associate Editor. Elsevier Publications.
2. Global Nest:The International Journal, SRCosmos Publications.
3. International Journal of Ecology, Hindawi Publications.

## **10. EVALUATOR IN INTERNATIONAL JOURNALS**

1. Theoretical and Applied Climatology.
2. International Journal of Climatology.
3. Global Nest:The International Journal.
4. Mathematical Computer Modelling
5. Atmospheric Environment.
6. Journal of Geophysical Research-Atmospheres
7. Environmental Monitoring and Assessment.
8. Water Air and Soil Pollution.
9. Environmental Modelling and Software.
10. Indoor Build Environment.
11. International Journal of Environment and Pollution
12. Chemometrics and Intelligent Laboratory Systems
13. Journal of Environmental Management
14. Environmental Science and Policy
15. International Journal of Biometeorology
16. Journal of the Air and Waste Management Association
17. Atmospheric Science Letters
18. Meteorological Applications
19. Chemical papers
20. Atmospheric Chemistry and Physics
21. Environmental Science and Technology

22. Environmental Science and Pollution Research
23. Atmospheric Research
24. Environmental Research
25. Air Quality Atmosphere and Health
26. Fresenius Environmental Bulletin
27. Journal of Royal Statistical Society
28. Physics and Chemistry of the Earth
29. Hazardous Materials
30. Environmental Pollution
31. Environmental Management
32. World Applied Science Journal
33. Climate Research
34. Journal of Applied Meteorology and Climatology
35. Environmental Technology
36. Journal of Zhejiang University-SCIENCE B
37. Human and Ecological Risk Assessment
38. Environmental Geochemistry & Health
39. Aerosol and Air Quality Research

**11. ORGANIZATION OF INTERNATIONAL CONFERENCES-  
PRESIDENT/MEMBER OF THE ORGANIZING COMMITTEE.**

1. 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 17-20 Oct., Crete, 2005.
2. 6<sup>th</sup> Management Committee Meeting of 733 COST ACTION, Harmonization and Applications of weather type classification for European Regions. 7-9 May, 2008, Ioannina, Greece.
3. 10<sup>th</sup> International Conference on Protection and Restoration of the Environment, Corfu 5-9 July 2010.

**12. MEMBER OF CONFERENCES' SCIENTIFIC COMMITTEE.**

1. 6<sup>th</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 2002.
2. 8<sup>th</sup> International Conference in Environmental Science and Technology, 2003
3. 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2005.
4. 9<sup>th</sup> International Conference in Environmental Science and Technology, 2005
5. 13<sup>th</sup> International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, 2005.
6. 11<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2007.
7. 10<sup>th</sup> International Conference in Environmental Science and Technology, 2007.
8. 1<sup>st</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), 2007.
9. 12<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2008.
10. 11<sup>th</sup> International Conference in Environmental Science and Technology, 2009.
11. 2<sup>nd</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), 2009.

12. 13<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2010.
13. 10<sup>th</sup> International Conference on Protection and Restoration of the Environment, 2010.
14. 2<sup>nd</sup> International Conference on “Hazardous and Industrial Waste management”, 2010.
15. 14<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2011.
16. 3<sup>rd</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), 2011.
17. 12<sup>th</sup> International Conference in Environmental Science and Technology, 2011.
18. 4<sup>o</sup> Macedonian Environmental Conference, 2011.
19. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Ioannina, 2011.
20. 14<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2012.
21. 11<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012, Athens, 29 May – 1 June 2012.
22. 15<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Madrid 2013.
23. 13<sup>th</sup> International Conference in Environmental Science and Technology Athens, 2013.
24. 17<sup>th</sup> International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Istanbul, 2013.

### **13. EVALUATOR OF SCIENTIFIC PROJECTS**

1. Expert Evaluator-DG Research-Directorate L, EU
2. Ministry of Education, Greece
3. Ministry of Development, Greece.
4. Foundation for the Promotion of Scientific Research in Cyprus
5. Karatheodori Foundation for the Promotion of Scientific Research, University of Patras, Greece.
6. Polish-Norwegian Research Programme, The National Centre for Research and Development, Poland.
7. Project Heraclitus, University of Patras.

### **14. CONTRIBUTING AUTHOR" FOR GEO-5'S CHAPTER 4 ON EUROPE ON THE TOPIC OF AIR POLLUTION/AIR QUALITY POLICIES IN EUROPE.**

### **15. NATIONAL REPRESENTATIVE IN COST ACTIONS OF THE EUROPEAN UNION**

1. Action 730 (2005-2009). Towards a Universal Thermal Climate Index UTCI. Assessing the Thermal Environment of the Human Being.
2. Action 733 (2005-2010). Harmonization and Applications of weather type classification for European Regions.
3. Action ESo602 (2007-2012). Towards a European Network on Chemical Weather Forecasting and Information Systems (ENCWF).

4. Action ES0902 (2010-2015). Permafrost and Gas Hydrate Related Methane Release in the Arctic and Impact on Climate Change - European Cooperation for Long-term Monitoring (PERGAMON)
5. Action ES1004 (2011-2016). European framework for online integrated air quality and Meteorology modeling.

## 16. PARTICIPATION IN SCIENTIFIC CONFERENCES

1. IXX ITM of NATO/CCMS in "Air Pollution Modelling and Its Application". 29 September - 4 October 1991, Ierapetra, Crete, Greece.
2. 1<sup>st</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 21-23 May 1992, Thessaloniki, Greece 1<sup>st</sup> Workshop of NATO/CCMS on "Air Pollution Transport and Diffusion over coastal areas". May 3-5, 1993, Athens, Greece.
3. XX ITM of NATO/CCMS in "Air Pollution Modelling and Its Application" 29 November-3 December 1993, Valencia, Spain.
4. 2<sup>nd</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 27-29 September 1994, Thessaloniki, Greece.
5. 4<sup>th</sup> Conference of Environmental Science and Technology, Molivos, Lesvos, 1-4 Sept 1995.
6. 3<sup>rd</sup> International Conference on Air Pollution "AIR POLLUTION 95". Porto Carras, Chalkidiki, 26-29 September, 1995.
7. Energie et Climat Urbain, CUEPE, Geneva, 1<sup>st</sup> December, 1995.
8. International Symposium on Applied Agrometeorology and Agroclimatology, Volos, April 24-26, 1996.
9. 2<sup>nd</sup> Concertation meeting in Telematics Application Programme. Sector Environment, Brussels, 24-28 June, 1996.
10. 4<sup>th</sup> International Conference on Air Pollution "AIR POLLUTION 96". Toulouse, France, 27-29 August, 1996.
11. 3<sup>rd</sup> International Conference in Protection and Restoration of Environment, Chania, Creta, 28-30 Aug. 1996.
12. 3<sup>rd</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 27-29 September 1996, Athens, Greece.
13. 7<sup>th</sup> Conference on Mesoscale Processes, 9-13 Sept. 1996, Reading, England.
14. 4<sup>th</sup> Concertation meeting in Telematics Application Programme. Sector Environment, Brussels, 7-8 April 1997.
15. 5<sup>th</sup> Conference in Environmental Science and Technology-Molivos Lesvos, 1-4 Sept. 1997.
16. 4<sup>th</sup> European Earth Observation System (EEOS) Workshop, Santorini, 2-3 October, 1997.
17. 6<sup>th</sup> International Highway and Urban Pollution Symposium. Ispra, Italy, 18-21 May, 1998.
18. 4<sup>th</sup> Panhellenic Conference in Meteorology-Climatology and Atmospheric Physics, September 1998, Athens.
19. European Conference on Applied Climatology, ECAC 98, Vienna, Austria, October 19-23, 1998.
20. Air Quality in Europe: Challenges for the 2000s, Venice 19-21 May 1999.
21. 6<sup>th</sup> Conference in Environmental Science and Technology, Samos, 28 August-2 September 1999.
22. Joint Conference of the International Societies for Environmental Epidemiology (ISEE) and Exposure Analysis (ISEA). Exposure assessment, environmental epidemiology and

- decision making: closer interactions for better protection of public health, Athens 5-8 September, 1999.
23. 7<sup>th</sup> Conference in Environmental Science and Technology, Syros, 3-7 September, 2001.
  24. 15<sup>th</sup> Symposium Informatics for Environmental Protection: Sustainability in the Information Society, ETH Zurich, October 10-12, 2001.
  25. Protection and Restoration of the Environment VI. Skiathos, July 1-5, 2002.
  26. 10<sup>th</sup> Scientific Conference of the International Association of Meteorology of Atmospheric Sciences, Heraklion, Crete. 18-25 September, 2002.
  27. 6<sup>th</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 25-28 September 2002, Ioannina, Greece.
  28. First Scientific Conference of the European Federation of Marine Science and Technologies Societies. Athens, 27-29 September 2002.
  29. 8<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Sofia, Bulgaria, 14-17 October, 2002.
  30. 4<sup>th</sup> International Conference on Urban Air Quality-Measurements-Modelling and Management. Prague, 25-27 March, 2003.
  31. 2<sup>nd</sup> International Symposium of Medical Geology, Nutrition and cancer, Instabul, Turkey. March 31-April 03, 2003.
  32. 8<sup>th</sup> International Conference in Environmental Science and Technology, Myrina, Lemnos, 8-11 Sept. 2003.
  33. 9<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Garmich, Germany, 1-4 June, 2004.
  34. Protection and Restoration of the Environment VII. Myconos, June 28-July 1, 2004.
  35. 7<sup>th</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 28-30 September 2004, Nicosia, Cyprus.
  36. 7<sup>th</sup> Panhellenic Geographical Conference of the Greek Geographical Society, 14-17 October 2004, Mytilene.
  37. 5<sup>th</sup> International Conference on Urban Air Quality-Measurements-Modelling and Management. Valencia, 25-27 March, 2005.
  38. AMS 17<sup>th</sup> Conference on Applied Climatology, Savannah, USA, June 20-24, 2005.
  39. 13<sup>th</sup> International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, Thessaloniki 8-12 October, 2005.
  40. 9<sup>th</sup> International Conference in Environmental Science and Technology, Rhodes, 1-3 Sept. 2005.
  41. 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Crete, Greece, 14-17 October, 2005.
  42. Protection and Restoration of the Environment VII. Chania, July 1-6, 2006.
  43. 8<sup>th</sup> Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 25-27 May 2006, Athens, Greece.
  44. WSEAS 2006 Conference. Vouliagmeni 11-13 July, 2006
  45. 6<sup>th</sup> International Conference on Urban Air Quality-Measurements-Modelling and Management. Nicosia, Cyprus, 25-27 March, 2007.
  46. 11<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Cambridge, UK, 4-7 July, 2007.
  47. 10<sup>th</sup> International Conference in Environmental Science and Technology, Kos, 8-10 Sept. 2009.
  48. 1<sup>st</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Skiathos, June 2007.
  49. 4<sup>th</sup> International Conference Information and Communication Technologies in Bio and Earth Sciences, Athens, September 18-20, 2009.

50. 2<sup>nd</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Myconos, June 2009.
51. 7<sup>th</sup> International Conference on Urban Air Quality-Measurements-Modelling and Management. Instabul, Turkey, 27-30 March, 2009.
52. Advances in Weather and Circulation type classifications and Applications (COST 733 Mid-Term Conference), 22-25 October 2008, Krakow, Poland.
53. ImpactE International Conference on “Past Present and Future Health Impacts” May 25-26. Calouste Gulbekian Foundation. Lisbon. Portugal.
54. 11<sup>th</sup> International Conference in Environmental Science and Technology, Chania, 3-5 Sept. 2009.
55. International Symposium on Environmental Software Systems, 2009. Venice, Italy 6-9 October 2009.
56. 15<sup>th</sup> International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, with Focus on Environmental Threats in the Mediterranean Region: Problems and Solutions. Bari, Italy 7-11 October, 2009.
57. Protection and Restoration of the Environment X. Corfu, July 5-9, 2010.
58. 2<sup>nd</sup> International Conference of “Hazardous and Industrial Waste Management”. Chania, 5-8 October, 2010.
59. 4<sup>th</sup> Macedonian Environmental Conference. Thessaloniki, March, 2010, 18-20.
60. 3<sup>rd</sup> Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Skiathos, June 2011.
61. 6<sup>th</sup> International Workshop on sand/duststorms and associated dustfall. Athens, September 2011.
62. 12<sup>th</sup> International Conference in Environmental Science and Technology, Rodos, Sept. 2011.
63. 16<sup>th</sup> International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, Ioannina September, 2011.
64. 13<sup>th</sup> EGU Plenious Conference in Mediterranean Storms, September, 2011.
65. 14<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, October, 2011.
66. 1<sup>st</sup> Thessaly’s Environmental Conference, Skiathos, 6-8 September, 2012.
67. 4<sup>th</sup> International Symposium and IUAPPA Regional Conference 10-13 September 2012, Istanbul, Turkey.
68. 3<sup>rd</sup> International Conference on Industrial and hazardous Waste Management. Chania, 12-14 September, 2012.
69. 13<sup>th</sup> International Conference in Environmental Science and Technology, Athens, 2013.
70. 17<sup>th</sup> International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Istanbul, 2013.

## 17. GUEST TALKS

1. Technical University of Crete, Chania, 1999. Study and Management of Atmospheric Pollution in small cities.
2. Athens, 2004. 24-25 February. University of Athens, Medical School. «Introduction in Environmental Impact assessment Models and crisis management».
3. University of Birmingham, Department of Geography and the Environment, January 30-31, 2005. “Weather, Cold Spells and Wood Burning across, UK”.
4. Mytilene 2007, 10/12. University of Aegean, Department of Marine Studies. “Air pollution in Coastal Areas».



5. Synoptic circulation control on wild fire occurrence. Advances in Weather and Circulation type classifications and Applications 25 October 2008, University of Krakow, Poland.
6. Weather related Health Impacts, 2009. ImpactE International Conference on “Past Present and Future Health Impacts” May 25-26. Calouste Giubekian Foundation. Lisbon. Portugal.
7. Forest Fires and Hazards, 2010. COST 733 Training School. Classifications in Atmospheric Sciences and their applications, 12-16 April, Augsburg, Germany.
8. “Air pollution, secondary Organic Aerosols and Health”. University of London, School of Hygiene and Tropical Medicine, March, 2010.
9. “Environmental and Health Information Systems”. Joint Research Center, ISPRA, Italy. June 2010.
10. Air Pollution and Health, 2010. Invited Plenary Lecture in the Xth Protection and Restoration of the Environment Conference, 6th of July, 2010. Corfu, Greece.
11. Simulation with Environmental Models. University of Athens, Medical School 6/2/2013.
12. National Particulates in the Atmosphere. University of Athens, School of Physics, 2013.

## 18. PUBLICATIONS

### A. Publications in Refereed Journals

1. Kambezidis H., P. Kassomenos, H. Kiriaki, 1986: Smoke concentration levels in a monitoring network in Athens, Greece, *Atmospheric Environment*, **20**, 601-604.
2. Kallos G., P. Kassomenos, R.A. Pielke, 1993: Synoptic and mesoscale weather conditions during air pollution episodes in Athens, Greece, *Boundary Layer Meteorology*, **62**, 163-184.
3. Pilinis C., P. Kassomenos, G. Kallos, 1993: Modeling of photochemical pollution in Athens, Greece: Application of the RAMS-CALGRID modeling system. *Atmospheric Environment*, **27B**, 353-370.
4. Kassomenos P., V. Kotroni, G. Kallos, 1995: Analysis of climatological and air quality observations from Greater Athens Area. *Atmospheric Environment*, **29B**, 3671-3688.
5. Varotsos C., C. Cracknel, N. Sakellariou, S. Katsikis, G. Chronopoulos, P. Kassomenos, 1995: On the SO<sub>2</sub>, NO<sub>2</sub> interferences in total ozone measurements made with the Dobson spectrophotometer No. 118 in Athens. *International Journal of Remote Sensing*, **16**, 1805-1813.
6. Kallos G., A. Papadopoulos, M. Varinou, P. Kassomenos, 1995: Estimation of the contribution to air quality degradation in Athens from major elevated sources. *International Journal of Environment and Pollution*, **5**, Nos. 4-6, 611-622.
7. Synodinou B., M. Petrakis, P. Kassomenos, S. Lykoudis, 1996: Atmospheric Stability and Atmospheric Circulation in Athens, Greece. *IL NUOVO CIMENTO*, Vol. **19C**, 245-255.
8. Kassomenos P., S. Lykoudis, M. Petrakis, A. Papadopoulos, 1996: Mesoscale transport of air pollutants over Athens: Implications for air quality. *International Journal of Environment and Pollution*, Vol 6., **Nos. 2/3**, 214-224.
9. Jacovides C., P. Kassomenos, N. Kaltsunides, 1996: Estimates of Effective Aerosol Optical Depths from Spectral Solar radiation measurements. *Theoretical and Applied Climatology*, **53**, 211-220.
10. Petrakis M., S. Lykoudis, P. Kassomenos, 1996: A software tool for the creation of a typical meteorological year. *Environmental Modelling and Software*, Vol **11**, **No 4**, 221-227.

11. Helmis C. G, D. N. Asimakopoulos, K. H. Papadopoulos, P. Kassomenos, J. A. Kalogiros, P. G. Papageorgas, S. Blikas, 1997: Air mass exchange between the Athens Basin and the Messogia Plain of Attica, Greece. *Atmospheric Environment*, **31**, 3833-3849.
12. Kassomenos P., H. A. Flocas, S. Lykoudis and M. Petrakis, 1997: A study of frost events in areas characterised by the absence of observations. *Meteorology and Atmospheric Physics*, **62**, 249-256.
13. Kassomenos P., S. Lykoudis, M. Petrakis, 1997: On the behaviour of air pollutants released from elevated stacks in the vicinity of Athens, Greece. *International Journal of Environment and Pollution*, Vol. **8**, Nos. **1/2**, 134-147.
14. Kassomenos P., H. A. Flocas, A. N. Skouloudis, S. Lykoudis, V. Asimakopoulos, M. Petrakis, 1998: Relationship of air quality indicators and synoptic scale circulation at 850 hPa over Athens during 1983-1995. *Environmental Technology*, Vol. **19**, 13-24.
15. Kassomenos P., H.A. Flocas, S. Lykoudis, M. Petrakis, 1998: Analysis of mesoscale patterns in relation to synoptic conditions over an urban Mediterranean Basin. *Theoretical and Applied Climatology*, Vol. **59**, 215-229.
16. Petrakis M., H.D. Kambezidis, S. Lykoudis, A.D. Adamopoulos, P. Kassomenos, J. Michaelidis, G. Rouditis, J. Chrysis, I. Hadjigianni, 1998: Generation of a Typical Meteorological Year for Nicosia, Cyprus. *Renewable Energy*, Vol. **13**, No 3, 381-388.
17. Kassomenos P., H. A. Flocas, S. Lykoudis, A. N. Skouloudis, 1998: Spatial and temporal characteristics of the relationship between air quality status and mesoscale circulation over an urban Mediterranean basin. *The Science of the Total Environment*, **217**, 37-57.
18. Triantafyllou A., P. A. Kassomenos, G. Kallos, 1999: On the degradation of air quality due to SO<sub>2</sub> and PM<sub>10</sub> in the Eordea Basin, Greece. *Meteorologische Zeitschrift*, **8**, 60-70.
19. Kassomenos P., A. N. Skouloudis, S. Lykoudis, H. A. Flocas, 1999: "Air Quality Indicators" for Uniform Indexing of Atmospheric Pollution over Large Metropolitan Areas. *Atmospheric Environment*, **33**, 1861-1879.
20. Argyriou A., S. Lykoudis, S. Kontoyiannidis, C. Balaras, D. Asimakopoulos, M. Petrakis and P. Kassomenos, 1999. Comparison of Methodologies for TMY generation using 20 years data for Athens, Greece. *Solar Energy*, **66**, 33-45.
21. Asimakopoulos D., C.G., Helmis, K.H. Papadopoulos, J.A. Kalogiros, P. Kassomenos, M. Petrakis, 1999. Inland propagation of sea breeze under opposing offshore winds. *Meteorology and Atmospheric Physics*, **70**, 97-110.
22. Kassomenos P., S. Lykoudis, G. Kallos, 1999: Winter southern wind flow and air pollution episodes over Athens, Greece. *Global Nest: The International Journal*, **1**, **2**, 99-110.
23. Pavlos Kassomenos, Alexandros Gryparis, Evangelia Samoli, Klea Katsouyanni, Spyros Lykoudis, H. A. Flocas. 2001. Atmospheric Circulation Types and Daily Mortality in Athens, Greece. *Environmental Health Perspectives*, **109**, 591-596.
24. Triantafyllou A. and P. Kassomenos, 2002. Aspects of atmospheric flow and dispersion of air pollutants in a mountainous basin. *The Science of the total Environment*, **297**, 85-103.
25. Kassomenos P., O. Sindosi, C. Lolis, 2003: Seasonal variation of the circulation types occurring over southern Greece. A 50-yr study. *Climate Research*, **24**, 33-46.
26. Chaloulakou A., P. Kassomenos, N. Spyrellis, P. Democritou, P. Koutrakis, 2003. Measurements of PM<sub>10</sub> and PM<sub>2.5</sub> particle concentrations in Athens, Greece. *Atmospheric Environment*, **37** (5), 649-660.
27. Kassomenos P., O. Sindosi, C. Lolis, A. Chaloulakou 2003: On the relation between seasonal synoptic circulation types and spatial air quality characteristics in Athens, Greece. *Journal of the Air and Waste management Association*, **53**, 309-324.

28. Kassomenos P., 2003: Anatomy of the synoptic conditions occurring over southern Greece during the second half of 20<sup>th</sup> century. Part I. Winter and Summer. *Theoretical and Applied climatology*, Vol **75**, 1-2, 65-77.
29. Kassomenos P., 2003: Anatomy of the synoptic conditions occurring over southern Greece during the second half of 20<sup>th</sup> century. Part II. Autumn and Spring. *Theoretical and Applied climatology*, Vol. **75**, 1-2, 79-92.
30. Petrakis M., B. Psiloglou, P. Kassomenos, C. Cartalis, 2003: Summertime measurements of Benzene and Toluene in Athens using a Differential Optical Absorption Spectroscopy system, 2003. *Journal of the Air and Waste management Association*, Vol. **53** (9), 1052-1064.
31. Saisana M., G. Dubois, A. Chaloulakou, P. Kassomenos, N. Spyrellis, 2003: Streamlining Environmental Monitoring networks: Application to Nitrogen Dioxide in North Italy. *Systems Analysis, Modelling, Simulation*, **43**(2), 241-250.
32. Keramitsoglou I., C. Cartalis and P. A. Kassomenos, 2003: Decision Support System for Managing oil spill Events. *Environmental Management*, Vol. **32**, No. 2, pp. 290-298.
33. Mironakis K. A. and P. A. Kassomenos, 2003: Application of MM5 model in the northwest area of Greece using a four-nest procedure. *International Journal of Environment and Pollution*, **20**, 1-6, 269-277.
34. Keramitsoglou I, Asimakopoulos D. N., Cartalis C, Petrakis M, Argiriou T, Sifakis N, Kassomenos P, Theofilopoulos N, Ntziou I, Herrero A, 2003: An operational system for monitoring oil spills in the Mediterranean sea. The PROMED system. *Mediterranean Marine Science*, Vol. **4/2**, 65-72.
35. Grivas G, V. Kanouta, P. Kassomenos, A. Chaloulakou, N. Spyrellis, 2004: Comparison between low-volume gravimetric sampler and beta attenuation monitor for PM10 measurements in Athens, Greece. *Journal of Aerosol Science*, S-653-654.
36. Kassomenos P, 2004: Risk Analysis for Environmental Hazards: The case of oil spills in Crete. *Global Nest: The International Journal*, **6**, 1, 39-51.
37. Bartzokas A., P. Kassomenos 2004: The effect of Meteorological and pollution parameters on the frequency of hospital admissions for cardiovascular and respiratory problems in Athens. *Indoor Build Environment*, **13**, 271-275.
38. Michellozi P., Kirchmayer U., Katsouyanni K, Biggeri A, Bertolini R, Andersson R, Menne B, McGregor G, Kassomenos P, 2004: The PHEWE project-Assessment and prevention of acute health effects of weather conditions in Europe. *Epidemiology*, **15**(4), 102-103.
39. Kassomenos P., S. Karakitsios and G. Pilidis, 2004: A simple semi-empirical approach to modeling benzene concentrations in a street canyon. *Atmospheric Environment*, **38**, 6073-6078.
40. Argyriou A, P. Kassomenos and S. Lykoudis, 2004: On the onset and duration of the seasons in Greece. *Water Air and Soil Pollution: Focus*, **4**, 65-74.
41. Katsoulis B and Kassomenos P, 2004: Assessment of the air-quality over Urban areas by means of biometeorological indices. The case of Athens, Greece. *Environmental Technology*, **25**, issue 11, 1293-1304.
42. Paschalidou A and P. Kassomenos, 2004: Comparison of air pollutant concentrations between weekdays and weekends in Athens, Greece for various meteorological conditions. *Environmental Technology*, **25**, issue 11, 1241-1255.
43. Chaloulakou A., P. Kassomenos, G. Grivas, N. Spyrellis, 2005: Particulate matter and black smoke concentrations levels in Central Athens, Greece. *Environment International*, **31**, 651-659.
44. Kassomenos P. A., 2005: Socioeconomic aspects in an extended contemporary city. How we can approach them by using a pollutant as indicator. *Water Air and Soil Pollution*, **62**, 315-329.

45. Bonazountas M., D. Kallidromitou, P. A. Kassomenos and N. Passas, 2005: Forest Fire Risk Analysis, *Human and Ecological Risk Assessment*, **11**, 617-626.
46. Stamoulis K, Ioannides K, Kassomenos P, Vlahogianni A, 2005: Tritium concentration in rainwater samples in northwestern Greece. *Fusion Science Technology*, **48(1)**, 512-515.
47. Kassomenos P A, Karandeinos F, K. Myronakis, 2005: High-resolution analysis of the meteorological fields in the NW mountainous area of Greece. *International Journal of Environment and Pollution*, **24 (1-4)**, 171-179.
48. Kassomenos P. A., Karakitsios S. P., Pilidis G. A., 2005: A methodology to estimate benzene concentrations in a town through a traffic model. *The Science of the Total Environment*, **347 (1-3)**, 272-281.
49. Kassomenos P., I. Koletsis, 2005: Seasonal variation of the temperature inversions over Athens, Greece. *International Journal of Climatology*, **25(12)**, 1651-1663.
50. Pilidis G, S. Karakitsios, P. Kassomenos, 2005: BTX measurements in a medium sized European city. *Atmospheric Environment*, **39**, 6051-6065.
51. Kassomenos P., I. Panagopoulos, A. Karagiannis, 2005: An integrated methodology to select the optimum site of an airport on an island using limited meteorological information. *Meteorological Applications*, **12**, 231-240.
52. Karakitsios S, C. Papaloukas, P. Kassomenos, G. Pilidis, 2005: Assessment and prediction of benzene concentrations in a street canyon using artificial neural networks and deterministic models. Their response to “what if” scenarios. *Ecological Modeling*, **193**, 253-270.
53. Kassomenos P, Glenn McGregor, 2006: The Inter-annual variability and trend of precipitable water over Southern Greece. *Journal of Hydrometeorology*, Vol **7**, No **2**, 271-284.
54. Karakitsios S, I. Hadjidakis, P. Kassomenos, G. Pilidis, 2006: Development of an Artificial Neural Network to predict benzene concentrations in a street canyon. *Fresenius Environmental Bulletin*, Vol **15**, No **5**, 424-430.
55. Kassomenos P, S. Karakitsios, G. Pilidis 2006: Assessment and prediction of benzene concentrations in a street canyon using a variety of models in the means of environmental management purposes. *Global Nest: The International Journal*, Vol **8**, No **3**, 265-271.
56. Gavriil I., G. Grivas, P. Kassomenos, A. Chaloulakou and N. Spyrellis, 2006: An application of theoretical probability distributions to study of PM<sub>10</sub> and PM<sub>2.5</sub> time series in Athens, Greece. *Global Nest: The International Journal*, Vol **8**, No **3**, 241-251.
57. Kaskaoutis D, H. Kambezidis, A. Adamopoulos, P. Kassomenos, 2006: Comparison between experimental data and modelling estimates of aerosol optical depth over Athens, Greece. *Journal of Atmospheric and Solar Terrestrial Physics*, **68**, 1167-1178.
58. Kassomenos, P, 2006. Development of an artificial neural network to predict benzene concentrations in a street canyon. *Journal of WSEAS Transactions on Environment and Development*, **6**, No2, 727-729.
59. Kassomenos P, S. Karakitsios, C. Papaloukas, 2006: Estimation of the daily traffic emissions in a south-European urban complex during a workday. Evaluation of several “what if” scenarios. *The Science of the Total Environment*, **370**, 480-490.
60. Kaskaoutis D, H. Kambezidis, A. Adamopoulos, P. Kassomenos, 2006: On the characterisation of aerosols using the Angstrom exponent in the Athens area. *Journal of Atmospheric and Solar Terrestrial Physics*, **68**, 2147-2163.
61. Kassomenos P, B. Katsoulis, 2006: Mesoscale and Macroscale aspects of the morning urban heat island around Athens, Greece. *Meteorology and Atmospheric Physics*, **94**, 209-218.
62. McGregor G, P. Kassomenos, F. deDonato, K. Blazejczyk, T. Cengar, R. Huth, I. Jolliffe, G. Jendrynski, C. Koppe, A. Paldy, 2006: The development of Heat Health Watch Warning

- Systems for five European cities: Results from the European Union PHEWE Project. *Epidemiology* V. **17(6)**, S86.
63. Analitis A, K. Katsouyanni, M. Baccini, P. Kassomenos, U. Kirchmayer, E. Cadum, A. Hojs, K. Bohumir, J. Pekkanen, W. Bogdan, 2006: Effects of cold weather in mortality: Results from 16 European cities within PHEWE Project. *Epidemiology* V. **17(6)**, S85.
  64. Karakitsios S, Delis, P Kassomenos, G Pilidis, 2007: Contribution to ambient benzene concentrations in the vicinity of petrol stations. Estimation of the associated health risk. *Atmospheric Environment*, **41**, 1889-1902.
  65. Borge R, Lumbreras J, Vardoulakis S, Kassomenos P, Rodriguez E, 2007: Analysis of long range transport influences on urban PM<sub>10</sub> using two stage atmospheric trajectory clusters. *Atmospheric Environment*, **41(21)**, 4434-4450.
  66. Kyrkilis G, A. Chaloulakou, P. Kassomenos, 2007: Air pollution effects on Human health: Development of an aggregate Air Quality Index for an urban Mediterranean agglomeration. *Environment International*, **33(5)**, 670-676.
  67. Kassomenos P, A. Gryparis, K. Katsouyianni, 2007: On the association between daily mortality and air mass types in Athens, Greece during winter and summer. *International Journal of Biometeorology*, **51**, 315-322.
  68. Bonazountas M, D. Kallidromitou, P. Kassomenos, N. Passas, 2007: A Decision support system for Managing Forest Fire Casualties. *Environmental Management*, **84(4)**, 412-418.
  69. Karakitsios S.P, Papaloukas C.L, Kassomenos P.A, Pilidis, G.A, 2007: Assessment and prediction of exposure to benzene of filling stations employees. *Atmospheric Environment*, **41(40)**, 9555-9569.
  70. Michelozzi P, U Kirchmayer, K. Katsouyanni, A. Biggeri, G. McGregor, B. Menne, P. Kassomenos, H. Anderson, M. Baccini, G. Accetta, A. Analytis, T. Kosasky, 2007: Assessment and prevention of acute health effects of weather conditions in Europe. The PHEWE project background, objectives, design. *Environmental Health*, **6:12**.
  71. Iliadis LS, S. Spartalis, A. K. Paschalidou, P. Kassomenos, 2007: Artificial Neural Network Modeling of the surface Ozone Concentration. *International Journal of Computational and Applied Mathematics*, **2**, Issue 2, pgs 125-138.
  72. Vardoulakis S and P Kassomenos, 2008: Sources and factors affecting PM<sub>10</sub> levels in two European cities: Implications for local air quality management. *Atmospheric Environment*, **42(17)**, 3949-3963.
  73. Kassomenos P, I. Panagopoulos, A. Karagiannis, S. Karakitsios, M. Petrakis, 2008: Modelling the dispersion of a toxic substance at a workplace. *Environmental Modelling and Software*, **23(1)**, 82-89.
  74. Grivas G, Chaloulakou A, P. Kassomenos, 2008: An Overview of the PM<sub>10</sub> pollution problem in the Metropolitan Area of Athens, Greece. Assessment of controlling factors and potential impact of Long range transport. *The Science of the Total Environment*, **389** (1), 165-177.
  75. Kassomenos P, C. Papaloukas, M. Petrakis, S. Karakitsios, 2008: Assessment and prediction of short term hospital admissions. The case of Athens, Greece. *Atmospheric Environment*, **42**, 7078-7086.
  76. Kassomenos P, Karakitsios S, G. Pilidis, 2009: Daily variation of traffic emissions in Athens, Greece. *International Journal of Environment and Pollution*, Vol. **36**, Ns. 1/2/3, pgs 324-335.
  77. Paschalidou A.K, P. Kassomenos 2009: On the evaluation of box model results: the case of BOXURB model. *Environmental Monitoring and Assessment*, **155** (1-4), pp. 103-118. DOI 10.1007/s10661-008-0421-4.

78. Paschalidou AK., P. Kassomenos, A. Bartzokas 2009: A comparative study on various statistical techniques predicting ozone concentrations: implications to environmental management. *Environmental Monitoring and Assessment*, **148**, 277-289.
79. Dimosthenis A. Sarigiannis, Spyros P. Karakitsios, Alberto Gotti, Costas L. Papaloukas, Pavlos A. Kassomenos, Georgios A. Pilidis, 2009: Bayesian algorithm implementation in a real time exposure assessment model on Benzene with calculation of associated cancer risks. *Sensors*, **9**, 731-755.
80. Pilidis G, Karakitsios S, Kassomenos P, E. Kazos, Stalikas K., 2009: Measurements of benzene and formaldehyde in a medium sized urban environment. Indoor/outdoor health risk implications on special population groups. *Environmental Monitoring and Assessment*, **150**(1-4), 285-294.
81. Papadopoulou N, Tountas Y, Sypsa V, Katsouyanni K, Analitis A, Kassomenos P, 2009: The effect of south winds on daily mortality in Athens. *Climate Research*, **38**, 193-198.
82. Kassomenos P, Mertzanos G, Petrakis M, Xylaggoura M, Psiloglou B, 2010. Hospital admissions and weather types in Athens, Greece. *International Journal of Environment and Pollution*, Vol. **40**, Nos. 1/2/3, pgs 236-247.
83. Kassomenos P, S. Lykoudis, A. Chaloulakou, 2010. A tool for determining urban emission characteristics to be used in exposure assessment. *Environment International*, **36**, 281-289.
84. Kassomenos P, S. Vardoulakis, R. Borge, J. Lumbreras, C. Papaloukas, S. Karakitsios, 2010. Comparison of statistical clustering techniques for the classification of modelled atmospheric trajectories. *Theoretical and Applied Climatology*, **102**, pgs 1-12. DOI. 10.1007/s00707-009-0233-7.
85. Karakitsios S, P. Kassomenos, D. Sarigiannis and G. Pilidis, 2010. Exposure Modeling of Benzene Exploiting Passive-Active Sampling data. *Environmental Modelling and Assessment*, **15**, 283-294. DOI. 10.1007/s10666-009-9206-6.
86. Kassomenos P, 2010. Synoptic circulation control on wild fire occurrence. *Physics and Chemistry of the Earth*, **35**, 544-552. DOI. 10.1016/j.pce.2009.11.008.
87. Markou M and P. Kassomenos, 2010. Cluster analysis of five year backtrajectories arriving in Athens, Greece. *Atmospheric Research*, **98**, 438-457.
88. Paschalidou A, S. Karakitsios, S. Kleanthous, P. Kassomenos, 2011. Forecasting hourly PM<sub>10</sub> concentration in Cyprus through Artificial Neural Networks and Multiple Regression Models: Implications to local Environmental Management. *Environmental Science and Pollution Research*, **18**, 316-327.
89. Skouloudis A, P. Kassomenos, T. Nittis, 2011. Science and policy challenges of atmospheric modelling in consideration of health effects. *International Journal of Environment and Pollution*, Vol **44**, No. 1/2/3/4, 3-13.
90. Vlachogianni A., P. Kassomenos, Ari Karppinen, S. Karakitsios, Jaakko Kukkonen , 2011. Evaluation of a multiple regression model for the forecasting of the concentrations of NO<sub>x</sub> and PM<sub>10</sub> in Athens and Helsinki. *The Science of the Total Environment*, **409**, 1559-1571.
91. Demuzere M, P. Kassomenos, A. Phillip, 2011. The explanatory power of circulation patterns on surface ozone concentrations in Central Europe. *Theoretical and Applied Climatology*, **105**, 143-166. DOI: 10.1007/s00704-010-038-4.
92. Samoli E, E. Kougea, P. Kassomenos, A. Analitis, K. Katsouyanni, 2011. Does the present of Desert dust modify the effect of PM<sub>10</sub> on mortality in Athens, Greece?. *The Science of the Total Environment*, **409**, 2049-2054. DOI: 10.1016/j.scitotenv.2011.02.031.
93. Kassomenos P, Petrakis M, Sarigiannis D, A. Gotti, S. Karakitsios, 2011. Identifying the contribution of physical and chemical stressors to the daily hospital admission rate implementing an artificial neural network model. *Air quality Atmosphere and Health*, **4**, 263-272. DOI:10.1007/s11869-011-0139-2.

94. Panagopoulos I, A. Karayiannis, P. Kassomenos, K. Aravosis, 2011. A CFD simulation study of VOC and Formaldehyde Indoor air pollution. Dispersion in an apartment as part of an indoor pollution management plan. *Aerosol and Air quality Research*, **11**, 758-762. DOI: 10.4209/aaqr.2010/11.0092.
95. Kassomenos P, A. Kelessis, A. Paschalidou, M. Petrakakis, 2011. Identification of sources and processes affecting particulate pollution in Thessaloniki, Greece. *Atmospheric Environment*, **45**, 7293-7300.
96. Zoumakis M, M. Petrakakis, P. Kassomenos, A. Kelessis, N. Bournis, N. Zoumakis, N. Papadakis, F. Vosniakos, M. Staliopoulou, G. Efstathiou, Th. Koziraki, M. Kapnisti, D. Patronas, 2011. Human Discomfort due to environmental conditions in Urban Thessaloniki, Greece. Part I. Air Quality Stress levels. *Journal of Environmental Protection and Ecology*, **12**, 407-415.
97. Zoumakis M, P. Kassomenos, M. Petrakakis, N. Zoumakis, N. Bournis, A. Kelessis, N. Papadakis, F. Vosniakos, M. Staliopoulou, G. Efstathiou, Th. Koziraki, M. Kapnisti, D. Patronas, 2011. Human Discomfort due to environmental conditions in Urban Thessaloniki, Greece. Part II. Thermal Stress levels. *Journal of Environmental Protection and Ecology*, **12**, 457-462.
98. Zoumakis M, P. Kassomenos, N. Zoumakis, G. Efstathiou, N. Papadakis, F. Vosniakos, A. Kelessis, M. Petrakakis, A. N. Bournis, M. Staliopoulou, Th. Koziraki, D. Patronas, 2011. Human Discomfort due to environmental conditions in Urban Thessaloniki, Greece. Part III. Combined effect of Temperature and Humidity. *Journal of Environmental Protection and Ecology*, **12**, 463-470.
99. Zoumakis M, P. Kassomenos, N. Zoumakis, N. Papadakis, F. Vosniakos, M. Staliopoulou, G. Efstathiou, A. Kelessis, K. Nikolaou, A. N. Bournis, M. Petrakakis, Th. Koziraki 2011. Human Discomfort due to environmental conditions in Urban Thessaloniki, Greece. Part IV. Heat related Mortality (Preliminary results). *Journal of Environmental Protection and Ecology*, **12**, 911-920.
100. Zoumakis M, P. Kassomenos, N. Zoumakis, N. Papadakis, F. Vosniakos, M. Staliopoulou, G. Efstathiou, A. Kelessis, P. Papapreponis, N. Bournis, M. Petrakakis, Th. Koziraki 2011. Human Discomfort due to environmental conditions in Urban Thessaloniki, Greece. Part V. Adaptation to Local Climate (Preliminary results). *Journal of Environmental Protection and Ecology*, **12**, 921-929.
101. Kassomenos P, A. Kelessis, M. Petrakakis, N. Zoumakis, A. Paschalidou, T. Christides, 2012. Characterising the quality of the Atmosphere over an urban complex: Comparison of different methodologies. *Ecological Indicators*, **18**, 259-268.
102. Kassomenos P, S. Vardoulakis, A. Chaloulakou, G. Grivas, R. Borge, J. Lumbreras, 2012. Levels, sources, and seasonality of coarse particles (PM<sub>10</sub>-PM<sub>2.5</sub>) in three European capitals. *Atmospheric Environment*, **54**, 337-347.
103. Kassomenos P, A Paschalidou, Vlahogianni A, 2012. One day ahead prediction of max carbon monoxide concentration in urban environments. *Stochastic Environmental Research and Risk Assessment*. DOI.10.1007/s00477-012-0601-1.
104. Efstathiou GA, N. Zoumakis, D. Melas and P. Kassomenos, 2012. Impact of precipitating ice on the simulation of a heavy rainfall event with advanced Research WRF using two bulk Microphysical Schemes. *Asian-Pacific Journal of Atmospheric Sciences*. Vol 48(4), pgs. 357-368.
105. Papadopoulos A, A Paschalidou, P Kassomenos, Glenn McGregor, 2013. Investigating and relationship of meteorological/climatological conditions and wildfires in Greece. *Theoretical and Applied Climatology*. Vol 112, pgs 113-126. DOI: 10.1007/s00704-012-0726-7.

106. Remoundaki E, A Papayannis, P Kassomenos, E. Mantas, P. Kokkalis, M. Tsezos, 2013. Influence of Saharan dust transport events on PM<sub>2.5</sub> concentrations and composition over Athens. *Water Air and Soil Pollution*. 224:1373. DOI: 10.1007/s11270-012-1373-4.
107. Karakitsios S, D Sarigiannis, A Gotti, P Kassomenos, G Pilidis, 2013. A methodological frame of assessing benzene induced leukemia risk mitigation due to policy measures. *Science of the Total Environment*, 443, 549-558.
108. Remoundaki E, P Kassomenos, E. Mantas, N. Michalopoulos, M. Tsezos, 2012. Composition and mass closure of PM<sub>2.5</sub> in urban environment (Athens, Greece). *Aerosol and Air Quality Research*. Vol 13, No 1, pgs 72-82. DOI: 10.4209/aaqr.2012.03.0054
109. Dimitriou K, A. Paschalidou, P Kassomenos, 2013. Assessing air quality with regards to its effect on human health in the European Union through air quality indices. *Ecological Indicators*. 27, 108-115.
110. Kassomenos P, K. Dimitriou, A. Paschalidou, 2013. Characterisation factors for human health damage caused by exposure to particulate matter PM<sub>10</sub> and ozone in a Mediterranean environment. *Environmental Monitoring and Assessment*. On line first. DOI: 10.1007/s10661-013-3076-8.
111. Dimitriou K and P Kassomenos, 2013. The fine and coarse particulate matter at four major Mediterranean Cities. Local and Regional aerosol sources. *Theoretical and Applied Climatology*. On line first. DOI 10.1007/s00704-013-0851-y.
112. Papadopoulos A, A Paschalidou, P Kassomenos, Glenn McGregor, 2013. On the association between synoptic circulation and wildfires in the Eastern Mediterranean. *Theoretical and Applied Climatology*. On line first. DOI 10.1007/s00704-013-0885-1.
113. Bartzokas A, C.J. Lolis, P.A. Kassomenos and G.R. McGregor, 2013. Climatic Characteristics of Summer Human Thermal Discomfort in Athens and its connection to Atmospheric Circulation. *Natural Hazards and Earth System Sciences*. In Press.
114. Efstathiou G. A., Lolis C. J., Zoumakis N. M., Kassomenos P. and D. Melas, 2013: Characteristics of the atmospheric circulation associated with cold season heavy rainfall and flooding over a complex terrain region in Greece. *Theoretical and Applied Climatology*. On line first. DOI 10.1007/s00704-013-0899-8.
115. Efstathiou G. A., Zoumakis N. M., Melas D., Lolis C. J. and P. Kassomenos, 2013: Sensitivity of WRF to Boundary Layer Parameterizations in Simulating a Heavy Rainfall Event using Different Microphysical Schemes. Effect on Large-Scale Processes. *Atmospheric Research*. Accepted.
116. Dimitriou K and P. Kassomenos, 2013. The profile of PMs at five major cities of Northern Europe. Comparisons among traffic and background stations. *Theoretical and Applied Climatology*. Submitted.
117. Kassomenos P, S. Vardoulakis, A. Chaloulakou, A. Paschalidou, G. Grivas, R. Borge and J. Lumbreras, 2013. Study of PM<sub>10</sub> and PM<sub>2.5</sub> levels in three European Cities. Analysis of intra and inter urban variations. *Atmospheric Environment*. Submitted.

### **B. Evaluator of Scientific Books**

1. Mediterranean Climate. Variability and Trends. Editors: H-J. Bolle, M. Menenti, I. Rasool, Springer, 2006. *International Journal of Climatology*, Vol 26, Issue 7, 989.

### **C. Other Publications**

1. Kassomenos, P., 1981: Air Pollution in the Atmospheric Boundary Layer. MSc., Thesis, Department of Applied Physics, Athens, pp. 95.



2. Kassomenos, P., 1993: Analysis of the weather conditions during air pollution episodes in the Greater Athens Area. PhD., Dissertation, University of Athens, Department of Applied Physics, Athens, pp. 362.

#### **D. Books**

1. Europe's Environment. The Second Assessment, 1998. European Environment Agency. Office for Official Publications of the European Communities, Elsevier Science Ltd. Pgs 293.
2. Environmental Information Systems, 2001. Chapter, "Modelling and Simulation of Environmental hazards". Editor Clauss Rautenstrauch. IDEA Group Publishing.
3. Environmental Physics, 2005. Catsoulis BD and PA Kassomenos., University of Ioannina, Greece.
4. Kassomenos P, G. Pilidis, C. Papaloukas, S. Karakitsios, 2008. **Chapter** "Parameters Controlling Ambient Air Benzene Concentrations and Human Exposure in a Medium Sized Southeastern European City". Air pollution. New Challenges in the 21<sup>st</sup> Century. New York, USA.
5. Paschalidou A and P. Kassomenos, 2011. Application of Politics for the improvement of air quality in the European Union and their results. Issues on Forestry, Environmental Management and Natural Resources. 3<sup>rd</sup> Volume. Protection of the Environment Policies pgs 113-122.
6. Thomas Bernauer, P. Kassomenos et al., 2012. GEO5. Air Pollution Policies in Europe. Chapter 11.
7. Kassomenos Pavlos, Physics and Pollution of the Environment, 2013. Under publication.
8. Kassomenos Pavlos, Environment and Health, 2013. Under publication.

#### **E. Editor of Scientific Books**

1. Proceedings of the 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. A. Skouloudis, P. Kassomenos, J. Bartzis, 2005. ISBN 960-233-166-6.
2. Proceedings of the X<sup>th</sup> International Conference on Protection and Restoration of the Environment. T. Albanis, P. Kassomenos, 2010.
3. Special Issue "Critical Issues on Environmental Noise", " The Science of Total Environment" 2014. Editors Kassomenos P, K. Vogiatzis, P Coehlo.
4. Special Issue "Aerosols and Air Quality Research" The Science of Total Environment" 2014. Guest Editors: Selahattin Incecik, Pavlos Kassomenos and Alan Gertler.

#### **F. Publications in Refereed Conference Proceedings (International)**

1. Kallos G and P. Kassomenos, 1991: Anatomy of the air pollution problem in Athens, Greece. 35<sup>th</sup> OHOLO Conference on Transport and Diffusion in Turbulent Fields. Modelling and Measurement Techniques. Eilat, Israel, October 28 - November 1, pp. 16 (**Invited Paper**).
2. Kallos G and P. Kassomenos, 1992: Weather conditions during air pollution episodes in Athens, Greece: An overview of the problem. Proceedings of the Air Pollution Modelling and Its Application. Edited by H. van Dop and G. Kallos, Plenum Press, New York, IXX, 77-103 (**Invited Paper**).
3. Kallos G, C. Pilinis, P. Kassomenos, G. Hatzakis, 1992: Characteristics of a third generation regulatory models. Workshop on "Objectives for next generation practical short-range atmospheric dispersion models". Riso, Denmark, May 6-8, 1992, pp. 16.

4. Kallos G and P. Kassomenos, 1993: Regional-mesoscale flow interactions: Implications to air quality. Proceedings of the EMEP Workshop on the Control of Photochemical Oxidants in Europe, 20-22 April, 1993, Porvoo, Finland, Proceedings 96-100.
5. Kassomenos P, G. Kallos, M. Varinou, A. Papadopoulos, 1993: A study of the dispersion of air pollutants released from major elevated sources near Athens, Greece. Proceedings of the XX<sup>th</sup> ITM NATO-CCMS on Air Pollution Modelling and Its Applications. Edited by S. Gryning and M. Millan, pg. 513-522.
6. Kallos G. and P. Kassomenos, 1993: Effects of the selected domain in mesoscale atmospheric simulations and dispersion calculations. Proceedings of the XX<sup>th</sup> ITM NATO-CCMS on Air Pollution Modelling and Its Applications. Edited by S. Gryning and M. Millan pg. 35-44.
7. Kallos G, A. Papadopoulos, M. Varinou, P. Kassomenos, 1994: Estimation of the contribution of the air quality degradation in Athens from major elevated sources. 3<sup>rd</sup> Workshop on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes. 21-24 Nov 1994, Mol, Belgium.
8. Petrakis M, P. Kassomenos, S. Lykoudis, V. Synodinou 1995: On the Atmospheric Stability in the Athens Basin. Air Pollution III, Volume 3. Urban Pollution, Wessex Institute of Technology, Editors N. Moussiopoulos, H. Power and C.A. Brebbia, pg. 177-184.
9. Kassomenos P, M. Petrakis, S. Lykoudis, 1995: On the transportation of air pollutants released from major elevated sources to the Athens Basin. The North-easterly flow case. Air Pollution III, Volume 3. Urban Pollution, Wessex Institute of Technology, Editors N. Moussiopoulos, H. Power and C.A. Brebbia, pg. 169-176.
10. Helmis C.G, D.N. Asimakopoulos, K.H. Papadopoulos, J.A. Kalogiros, P. Kassomenos, P.G. Papageorgas, S. Blikas 1995: Air mass exchange between the Athens Basin and the Mesogia Plain. Air Pollution III, Volume 3. Urban Pollution, Wessex Institute of Technology, Editors N. Moussiopoulos, H. Power and C.A. Brebbia, pg. 115-130.
11. Kassomenos P, S. Lykoudis, M. Petrakis, 1996: Vertical distribution of Air Pollutants released from elevated stacks in the Athens, Basin. Proceedings on Air Pollution IV Monitoring, Simulation and Control. Editors B. Caussade, H. Power, C.A. Brebbia, pg. 677-686.
12. Kassomenos P, H. Flocas, S. Lykoudis, M. Petrakis, 1996: An analytical approach of a frost event in Central Macedonia, Greece. International Symposium on Applied Agrometeorology and Agroclimatology, Conference Proceedings, Edited by European Commission, Editor N. Dalezios, pgs. 589-594, Volos, Greece.
13. Petrakis M, C. Cartalis, D. Deligiorgi, N. Dalezios, K. Tibas, M. Mathioudi, L. Toullos, P. Kassomenos P., S. Lykoudis, X. Feidas, N. Chrisoulakis, K. Zarpas, T. Glezakos, C. Sifakis, 1996: Use of Earth observation for Agriculture. International Symposium on Applied Agrometeorology and Agroclimatology, Conference Proceedings, Edited by European Commission, Editor N. Dalezios, pgs. 335-339, Volos, Greece.
14. Kassomenos P, S. Lykoudis, M. Petrakis, G. Panagopoulos, A. Karagiannis, 1996: Statistical analysis of NO, NO<sub>2</sub>, O<sub>3</sub> measurements in the Athens area. Proceedings of 3<sup>rd</sup> International Conference on the Protection and Restoration of Environment. Chania, Crete, pgs 312-319.
15. Kassomenos P, H. A. Flocas, S. Lykoudis, M. Petrakis, 1998: Considerations on the temporal and spatial variation of the relationship between air pollution and mesoscale air flow patterns over the Athens Metropolitan area. 6<sup>th</sup> International Highway and Urban Pollution Symposium, Ispra, Italy. 18-21 May. Pg. 9.
16. Kassomenos P, H. A. Flocas, S. Lykoudis, 1998: Classification of mesoscale circulation over an urban Mediterranean basin. Relationship with air quality status. 2<sup>nd</sup> European

- Conference on Applied Climatology, ECAC 98. Vienna, Austria, 19-23 October. ISSN 1016-6254 Nr. 19 in CD.
17. Kassomenos P, A.N. Skouloudis, D.N. Asimakopoulos, 1999: Towards to a uniform Indexing of atmospheric pollution in Europe. International Conference for Air Quality in Europe: Challenges for the 2000s, Venice, Italy. 19-21 May 1999.
  18. Kassomenos P, E. Samoli, H.A. Flocas, D.N. Asimakopoulos, K. Katsouyianni, 1999: Synoptic Meteorological systems and human health in Athens, Greece. A tool for improving decision making. International Conference of Exposure Assessment, environmental epidemiology and decision making: closer interactions for better protection of public health. Athens, September 5-8.
  19. Chaloulakou A, Kassomenos P., Grivas G., Manalis N., Spyrellis N., 2001: On the PM<sub>10</sub>/PM<sub>2.5</sub> episodes in Athens, during summer 2000. 7<sup>th</sup> International Conference on Environmental Science and Technology. Ermoupolis, Syros. Conference Proceedings, Volume A, pgs 114-120.
  20. Kassomenos P, S. Lykoudis 2001: Contribution to the Analysis and completion of air pollutants' time series. 7<sup>th</sup> International Conference on Environmental Science and Technology. Ermoupolis, Syros. Conference Proceedings, Volume A, pgs 428-435.
  21. Kalabokas P, A. Papayannis, A. Chaloulakou, P. Kassomenos, C. Chourdakis, A. Serafetinidis, N. Spyrellis, 2002: On the correlation of air pollution with suspended aerosol levels to monitored by particle counters and a 2-wavelength lidar system during Saharan dust episodes in the city of Athens. Proceedings of the 10<sup>th</sup> Scientific Conference of the International Association of Meteorology and Atmospheric Sciences. Pgs. 194-195, Heraklion, 18-25 September, 2002.
  22. Argyriou A, P. Kassomenos, S. Lykoudis, 2002: On the methods for the delimitation of seasons. Protection and Restoration of the Environment VI, Proceedings pgs 1149-1156, 1-5 July, Skiathos, Greece.
  23. Kassomenos P, I. Keramitzoglou, C. Cartalis, 2002: Studying Environmental Hazards: A risk analysis for oil spill incidents in Cretan and Libyan Seas. 1<sup>st</sup> Scientific Conference of the European Federation of Marine Science and Technology Societies. Proceedings on CD, Athens, 27-29, September, 2002.
  24. Keramitzoglou I, D.N Asimakopoulos, C. Cartalis, M. Petrakis, A. Argyriou, N Sifakis, P. Kassomenos, N. Theofilopoulos, I. Ntziou, A. Herrero, 2002: An operational system for monitoring oil-spills in the Mediterranean. The PROMED Approach. 1<sup>st</sup> Scientific Conference of the European Federation of Marine Science and Technology Societies. Proceedings on CD, Athens, 27-29 September, 2002.
  25. Mironakis K and P. Kassomenos, 2002: Application of MM5 model in a north-west area of Greece. First Results. 8<sup>th</sup> Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Proceedings, pgs 396-400, Sofia, Bulgaria, 14-17 October, 2002.
  26. Chaloulakou A, P. Kassomenos, G. Grivas, V. Kanouta, N. Spyrellis, 2003: Continuous measurements of PM<sub>10</sub>/PM<sub>2.5</sub> and black smoke concentrations at a fixed site in Athens, Greece. 4<sup>th</sup> International Conference on Urban Air Quality-Measurement, Modelling and Management. Proceedings pgs 306-309, Prague, 25-27 March 2003.
  27. Bartzokas A and P. Kassomenos, 2003: The effect of meteorological and pollution parameters on the frequency of hospital admissions for cardiovascular and respiratory problems in Athens. 2<sup>nd</sup> International Symposium on Medical Geology, Nutrition and Cancer. Proceedings, pg. 21, Instabul, Turkey, March 31-April 3, 2003.
  28. Panagopoulos I, A. Karagiannis, P. Kassomenos, N. Pavlopoulos, E. Xanthoudakis, 2003: Selection of an optimum site to construct and develop an airport in the north Aegean using multi criteria analysis. Proceedings of the 8<sup>th</sup> International Conference on

- Environmental Science and Technology, pgs. 642-649. Lemnos, Greece, September 8-10, 2003.
29. Petrakis M, E. Akylas, C. Giannakopoulos, B. Psiloglou, M. Lianou and P. Kassomenos, 2003: Transmission coefficient of meteorological information over the Greek archipelago. European Geographical Society. Geophysical Research Abstracts, Vol 5, 09096, 2003.
  30. Mironakis K, P. Kassomenos and H. Karandeinos, 2004: Application of the ARPS and MM5 models in Epirus, Greece. Implications to Air quality. First Results. Proceedings of the 9<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, pgs 270-273. Garmich-Patterkirhen, Germany, 1-4 June, 2004.
  31. Kassomenos, P., 2004: Socioeconomic aspects in a contemporary city. How we can approach them by using a pollutant as Indicator. Protection and Restoration of the Environment VII, Proceedings, pgs 1149-1156, 28 June-1 July, Myconos, Greece.
  32. Kassomenos P, I. Panagopoulos and A. Karagiannis, 2004: A new proposition to select the optimum site of an airport in small islands. Protection and Restoration of the Environment VII, Proceedings, pgs 1157-1164, 28 June-1 July, Myconos, Greece.
  33. Kassomenos P and Glenn McGregor, 2005: (**Invited Paper**). Trends in Precipitable water over Southern Greece. Proceedings of the 15<sup>th</sup> AMS conference on Applied Climatology, Savannah, USA, 20-24 June, 2005.
  34. Glenn McGregor and Kassomenos P 2005: (**Invited Paper**). Exploring winter mortality variability using back trajectory composite analysis. Proceedings of the 15<sup>th</sup> AMS conference on Applied Climatology, Savannah, USA, 20-24 June, 2005.
  35. Vardoulakis S and P Kassomenos, 2005: Comparison of factors influencing PM10 levels in Athens (Greece) and Birmingham (UK). 5<sup>th</sup> Conference in Atmospheric Physics, Valencia Spain. (**Invited paper**)
  36. Karakitsios S.P., G.A. Pilidis and P. A. Kassomenos, 2005: Assessment and prediction of benzene concentrations in a street canyon using various models. Proceedings of the 9<sup>th</sup> International Conference on Environmental Science and Technology, pgs. A678-A683. Rhodes, Greece, September 1-3, 2005.
  37. Gavriil I, G. Grivas, P. Kassomenos, A. Chaloulakou and N. Spyrellis, 2005: Statistical distributions of particulate matter, applied to the study of the Atmospheric pollution problem, in the area of Athens. Proceedings of the 9<sup>th</sup> International Conference on Environmental Science and Technology, pgs. A453-A458. Rhodes, Greece, September 1-3, 2005.
  38. Kassomenos P and H. Karandeinos, 2005: Foehn phenomena in the western Crete. Part I. The synoptic situation and flow fields computed by the ARPS model. Proceedings of the 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Pgs 104-108.
  39. Karagiannis A, Panagopoulos I, Kassomenos P, 2005: A numerical tool for the prediction of a toxic chemical substance dispersion at the workplace. Proceedings of the 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Pgs 115-119.
  40. Mertzanos G, P. Kassomenos, M. Petrakis, M. Xylaggoura, B. Psiloglou, 2005: Hospital admissions and weather types in Athens, Greece. Proceedings of the 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Pgs 571-575.
  41. Karakitsios S, Papaloucas C, Pilidis G and Kassomenos P, 2005: Development of an ANN to estimate traffic emissions in Athens, Greece. Proceedings of the 10<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Pgs 98-101.

42. Pilidis G, S. Karakitsios, P. Kassomenos, 2005: Description of the specific conditions that lead to high levels of BTX compounds in a medium sized city of Northwestern Greece. Proceedings of the 13<sup>th</sup> International symposium on MESAEP, pg 36. October 8-12, 2005, Thessaloniki, Greece.
43. Kambezidis H, D. Kaskaoutis, P. Kassomenos, 2005: Confrontation of forest fires in Greece. Proceedings of the 13<sup>th</sup> International symposium on MESAEP, pg 268. October 8-12, 2005, Thessaloniki, Greece.
44. Analitis A, K. Katsouyanni, M. Baccini, P. Kassomenos, U. Kirchmayer, E. Cadum, Ana Hojs, Bohumir Kriz, J. Pakannen, B. Wiityniak., 2006. Short term effects of weather and preventive strategies to reduce the impact of acute events on health in Europe. 2006 ISEE Symposium.
45. Tsaknakis G, P. Kassomenos, A. Papayannis, I. Ziomas, A. Paliatsos, 2006: Cluster analysis of air mass trajectories linked with high aerosol and ozone concentrations observed in the Greater Athens area, Greece. European Geosciences Union. General Assembly 2006, 2-7 April 2006, Vienna, Austria.
46. Kassomenos, P. Chaloulakou A, Adamopoulos A, 2006. On the study of transboundary pollution by particulate matter in the Greek territory. Protection and Restoration of the Environment VIII, Chania, 3-7 July, 2006.
47. Chonianaki F, P. Kassomenos, 2006. Noise action plans in a medium and a small sized town in Crete, Greece. Protection and Restoration of the Environment VIII, Chania, 3-7 July, 2006.
48. Kassomenos P, I. Panagopoulos, A. Karagiannis, 2006: Experience from Roads, Ports and Airports environmental projects in Greece. Linking Transport, Emissions and Air dispersion models. Protection and Restoration of the Environment VIII, Chania, 3-7 July, 2006.
49. Kambezidis H, D. Kaskaoutis, P. Kassomenos, D. Melas, A Papadopoulos, O. Yenigun, U. Im, T. Onay, U. Antepioglu, S. Topcu, S. Incecik, 2006: An Investigation on Forest Fire risk assessment in selected areas in Greece and Turkey. Proceedings of the Vth International Conference on Forest Fire Research. Figueira da Foz, Coimbra, 27-30 November 2006. Editor V.X. Viegas, pgs 10. Forest Ecology and Management 234S (2006) S46.
50. Im U, Onay TT, Yenigun O, Kambezidis H, Kaskaoutis D, Antepioglou U, Kassomenos P, Incesik S, Topsis S, Melas D, Papadopoulos A, 2006. An overview of the forest fires and Meteorology in Turkey and Greece. Proceedings of the 1<sup>st</sup> International symposium on Environment, Identities and Mediterranean area, art no. 4150437, IEEE, 62-67, Ajaccio, Korcica.
51. Paschalidou A, P. Kassomenos, A. Bartzokas, 2006. Comparison of various methods for modelling the dependence of ozone concentrations on meteorological and pollutant parameters in Athens. Proceedings on Transactions on Environment, 5, No2, 684-689. ISSN 1790-5079.
52. Paschalidou A, L. Iliadis, P. Kassomenos, C. Bezirtzoglou, 2007. Neural modeling of the tropospheric ozone concentrations in an Urban site. Proceedings of the 10<sup>th</sup> Conference of Engineering applications of neural networks. Thessaloniki. 29-31 August. Editors L. Iliadis, K. Margaritis. ISSN 1613-0073.
53. Vlahogianni A and P. Kassomenos, 2007: One day ahead prediction of morning max CO concentration in Athens, Greece. 1<sup>st</sup> CEMEPE and CECOTOX Conference, Skiathos. Pgs 2411-2416.
54. Papas DG, Efstathiou GA, Zoumakis N, Kelesis AG, PA Kassomenos, J. Triantafyllis, B. Kargas, M. Petrakakis, E. Fournou, S. Stolaki, 2007. Thermal effects on the airflow and pollutant dispersion in an urban street canyon. 1<sup>st</sup> CEMEPE and CECOTOX Conference, Skiathos. Pgs 2509-2514.

55. Vlahogianni A and P. Kassomenos, 2007: Validation procedures to check one-day ahead prediction of max CO concentration in an urban environment. 10<sup>th</sup> International Conference on Environmental Science and Technology, pgs. A678-A683. Kos, Greece September 1-3, 2007.
56. Kassomenos P, S. Vardoulakis, R.Borge, J. Lumbreras, A. Chaloulakou, G. Grivas, A. Vlahogianni, 2007. Sources influencing PM<sub>10</sub>/PM<sub>2.5</sub> levels in three European Cities-implications for population exposure. Proceedings of the 6<sup>th</sup> International Conference of UAQ, Limassol, Cyprus, 27-29 March.
57. Mavroidis I, P. Kassomenos, A Chaloulakou, 2007. Assessment of the spatial variability of ambient NO<sub>2</sub> concentrations within the urban area of Athens. Proceedings of the 6<sup>th</sup> International Conference of UAQ, Limassol, Cyprus, 27-29 March.
58. Pilidis G, S. Karakitsios, P. Kassomenos, 2008. Benzene risk assessment evaluation due to an urban filling station operation. Protection and Restoration of the Environment, IX, Kefallonia, 29 June-3<sup>rd</sup> July.
59. Paschalidou A, P. Kassomenos, 2008. Dispersion modelling of air pollutants in a Southern Eastern European Environment, Proceedings of the 4<sup>th</sup> International Conference on Information and Communication Technologies in Bio and Earth Sciences, September 18-20, Athens, pgs 89-97. (Technical Session S2-b, Modelling and ICT).
60. Kassomenos P, 2008 (**Invited Paper**): Synoptic circulation control on wild fire occurrence. Advances in Weather and Circulation type classifications and Applications (Cost 733 Mid-term Conference). 22-25 October 2008, Krakow, Poland.
61. Demuzere, M, Ustrnul, Z. (chair of WG4), Bardossy, A., Bertalanic, R., Bogucka, M., Cahynova, M., Caian, M. , Casado, M.J. , Fleig, A., Frei, C., Georgescu, F., Godlowska, J., Kassomenos, P., Latinov, L., Pastor, M.A., Pianko-Kluczynska, K., Pongracz, R., Prudhomme, C., Schiemann, R., Sepp, M., Stefan, S., Tallaksen, L., Tomaszewska, A.M., 2008: COST 733 – WG4: Applications of weather type classifications. (Cost 733 Mid-term Conference). 22-25 October 2008, Krakow, Poland.
62. Karakitsios S., D. Sarigiannis, A. Gotti, P. Kassomenos, G. Pilidis, 2008. An integrated exposure model for benzene. Application in a medium sized Southeastern European city. 2008 Joint ISEE-ISEA Conference October 12-16, 2008 Pasadena, California USA
63. Dimosthenis Sarigiannis, Spyros Karakitsios, Alberto Gotti, Pavlos Kassomenos, Georgios Pilidis, 2008. The effect of traffic fleet to the overall exposure to benzene.17<sup>th</sup> Transport and Air Pollution symposium and the 3<sup>rd</sup> Environment and Transport Symposium, June 2-4, 2009, Toulouse, France.
64. Dimosthenis A. Sarigiannis, Spyros P. Karakitsios, Alberto Gotti, Pavlos A. Kassomenos, Georgios A. Pilidis, 2009. Leukemia risk due to ambient air benzene exposure: the effect of traffic. International Conference on Air Quality - Science and Application, Istanbul, 24-27 March 2009.
65. Kassomenos P., Papaloukas C., Petrakis M., Karakitsios S., 2009. (**Invited Paper**). Novel modelling techniques in assessment and prediction of short term hospital admissions. International Conference on Air Quality - Science and Application, Istanbul, 24-27 March 2009.
66. Kassomenos, Sotiris Vardoulakis, Rafael Borge, Julio Lumbreras , Arhontoula Chaloulakou, Georgios Grivas., 2009 Sources influencing PM<sub>10</sub> and PM<sub>2.5</sub> levels in three european cities – implications for population exposure. International Conference on Air Quality - Science and Application, Istanbul, 24-27 March 2009.
67. Areti Vlahogianni, Pavlos Kassomenos, Ari Karppinen, Mikhail Sofiev and Jaakko Kukkonen, 2009. Evaluation of a multiple regression model for the forecasting of the concentrations of NO<sub>x</sub> and PM<sub>10</sub> in Athens and Helsinki. International Conference on Air Quality - Science and Application, Istanbul, 24-27 March 2009.

68. M. Petrakis, Basil Psiloglou, P. Kassomenos, A. Paliatsos, 2009. Summertime measurements of air quality in Athens, using the doas technique. International Conference on Air Quality - Science and Application, Istanbul, 24-27 March 2009.
69. Panagopoulos I, A.Karayannis, P. Kassomenos, G.Gouvalias, E.Gaki, 2009. The prediction of toxic fugitive dust dispersion during soil remediation construction works using FDM model. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos, Greece, June 21 to 26, 2009.
70. Kassomenos P, A. Kelessis, M. Petrakakis, N. Zoumakis, A. Mavrommati, 2009. Intra-hourly variations of CO concentrations in Thessaloniki during rush hours. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos, Greece, June 21 to 26, 2009.
71. Evagelopoulos V, S. Zoras, P. Samaras, A. Triantafyllou, T. Albanis, P. Kassomenos, 2009. Toxicity of fine and coarse atmospheric particles using *Vibrio fischeri*. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos, Greece, June 21 to 26, 2009.
72. Kassomenos P, A. Skouloudis, T. Nitis, 2009. Reconsidering uncertainty for air pollution and health information systems. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos, Greece, June 21 to 26, 2009.
73. Panagopoulos I, A. Karayiannis, P. Kassomenos, K. Aravosis, 2009. A CFD simulation study of VOC and Formaldehyde Indoor air pollution dispersion in an appartement. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos, Greece, June 21 to 26, 2009.
74. Samoli E, E Kougea, P. Kassomenos, A. Analytis, K. Katsouyianni, 2009. Does the present of desert dust modify the effect of PM<sub>10</sub> on mortality in Athens, Greece? ISEE 2009. Conference proceedings, 25-29, August 2009, Dublin, Ireland.
75. Kassomenos P, A. Kelessis, M. Petrakakis, N. Zoumakis, T. Christides, 2009. Characterising the quality of the atmosphere over an urban complex. Proceedings of the 11<sup>th</sup> International Conference on Environmental Science and Technology, pgs 424-431. Chania, Crete, Greece, 3-5 September.
76. Kassomenos P, Dimitriou K, S. Karakitsios, D. Sarigiannis, 2009. Indices to characterize human health damage from PM<sub>10</sub> and ozone in life-cycle basis. Proceedings of the 11<sup>th</sup> International Conference on Environmental Science and Technology, pgs 568-575. Chania, Crete, Greece, 3-5 September.
77. Panagopoulos I, A. Karayannis, P. Kassomenos, 2009. A CFD study of the indoor air quality in a kitchen room with various locations of gas cooker and window. Proceedings of the 11<sup>th</sup> International Conference on Environmental Science and Technology, pgs 1052-1059. Chania, Crete, Greece, 3-5 September.
78. Kassomenos P and A. Skouloudis, 2009. **(Invited Paper)** Connectivity of integrated environment and health systems with research synergies and in support to policies. ISESS, 2009, Venice, Italy Oct, 6-9. On CD.
79. Kassomenos P, S. Karakitsios, and A. Kellelis, 2009. Management of Aaos river water resources in the greek-albanian trans-border area." Proceedings of the 15<sup>th</sup> International Symposium on Environmental Pollution and its impact on life in the Mediterranean region, with Focus on Environmental Threats in the Mediterranean Region: Problems and Solutions. Bari, Italy 7-11 October, 2009.

80. Petrakakis M, A Kelessis, P. Tzoumaka, P. Kassomenos, G. Tzourelis, N. Zoumakis, N. Papagiannopoulos, 2010. Levels of PM<sub>10</sub>, concentration at urban sites of Thessaloniki, Greece. X<sup>th</sup> Confrence of Protection and Restoration of the Environment, 5-9 July, Corfu, Greece.
81. Panagopoulos I, A Karagiannis, N. Floros, P. Kassomenos, 2010. Clean production Techniques and Integrated industrial Hazardous waste management plan-Results of a full scale industrial application in the asopos basin area. X<sup>th</sup> Conference of Protection and Restoration of the Environment, 5-9 July, Corfu, Greece.
82. Kassomenos P, A. Kelessis, S. Karakitsios, Paschalidou A, 2010. Management the cross-boundary area between Greece and Albania. The case of Aaos/Vjiosa River. X<sup>th</sup> Conference of Protection and Restoration of the Environment, 5-9 July, Corfu, Greece.
83. Kassomenos P, 2010. **(Invited Paper)**. Air pollution and Health. Key note Lecture. X<sup>th</sup> Conference of Protection and Restoration of the Environment, 5-9 July, Corfu, Greece.
84. Panagopoulos I, A Karagiannis, N. Floros, P. Kassomenos, 2010. Integrated industrial hazardous waste management plan-results of a full scale industrial application in the Asopos basin area. 2<sup>nd</sup> Intenational Conference of "Hazardous and Industrial Waste Management". Chania, 5-8 October, 2010.
85. Panagopoulos I, A Karagiannis, P. Kassomenos, G. Gouvalias, E. Gaki, 2010. The prediction of toxic fugitive dust deprersion during soil remedation works using FDM model. 2<sup>nd</sup> Intenational Conference of "Hazardous and Industrial Waste Management" Chania, 5-8 October, 2010.
86. Panagopoulos I, A Karagiannis, P. Kassomenos, K. Aravosis, 2011. Development of a numerical model for Hazardous prediction in the Urban Environment accounting the effect of vegetation. CEMEPE 2011 & SECOTOX Conference, Skiathos, Greece, June 19-24.
87. Panagopoulos I, A Karagiannis, P. Kassomenos, 2011. Development of a numerical model for air pollutant dispersion prediction in the Urban Environment accounting the effect of vegetation. 12<sup>th</sup> International Conference on Environmental Science and Technology, 8 - 10 September 2011, Rhodes island, Greece.
88. Remoundaki E, A Papayannis, P. Kassomenos, E. Mantas, P. Kokkalis, M Tsezos, 2011. Major dust transport events over Athens during 2010 contribution in PM<sub>2.5</sub> concentrations. 6<sup>th</sup> International Workshop on Sand/duststorms and associated dustfall. 6-9 September, 2011. Athens
89. Bartzokas A, C. Lolis, P. Kassomenos, G. McGregor, 2011. : Climatic characteristics of summer human thermal discomfort in Athens and its connection to atmospheric circulation. 13<sup>th</sup> EGU Plinius Conference on Mediterranean Storms (Savona, Italy, 7-9 September 2011) 53.
90. Kassomenos P, AN. Skouloudis, 2011. On the use environment and health Information systems for an Integrated assessment on Human health. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on Life in the Mediterranean region. 24-27 September, 2011, Ioannina. Greece. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on Life in the Mediterranean region. 24-27 September, 2011, Ioannina. Greece.
91. Kassomenos P, A. Kelessis, M. Petrakakis, N. Zoumakis, Th Christides and A. Paschalidou, 2011. An attempt to draw the levels of air quality in Thessaloniki. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on Life in the Mediterranean region. 24-27 September, 2011, Ioannina. Greece.
92. Triantafyllou A, P. Kassomenos, S. Garas, T. Albanis, 2011. Comparison of PAHs and Heavy metals levels in two urban sites located in an industrialised basin. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on Life in the Mediterranean region. 24-27 September, 2011, Ioannina. Greece.



93. Sarigiannis D, A. Gotti, S. Karakitsios, P. Kassomenos, G. Pilidis, 2011. A methodology for assessing benzene-induced leukemia risk mitigation policies. 16<sup>th</sup> International Symposium on Environmental Pollution and its impact on Life in the Mediterranean region. 24-27 September, 2011, Ioannina. Greece.
94. Skouloudis A, J. Rau, P. Kassomenos, 2011. In situ and space observations, facilitating, a new harmonization in regulatory applications. 14<sup>th</sup> International Conference on Harmonization within Atmospheric Dispersion Modeling for Regulatory purposes. 2-6 October, Kos, Greece.
95. Efstathiou G, Melas D, Zoumakis N, Kassomenos P, 2012. Evaluation of WRF-ARW model in reproducing a heavy rainfall event over Chalkidiki, Greece. The effect of land-surface features on rainfall. 12<sup>th</sup> COMECAP. Athens, May 2012.
96. Serbis E, CJ. Lolis, P.A. Kassomenos, 2012. Atmospheric circulation characteristics associated with high static instability conditions over the Athens region. 12<sup>th</sup> COMECAP. Athens, May 2012.
97. Skouloudis A and P Kassomenos, 2012. Combining environment and health information systems for a full scale assessment of Atmospheric pollution on human health. 4<sup>th</sup> International Symposium and IUAPPA Regional Conference 10-13 September 2012, Istanbul, Turkey.
98. Panagopoulos I., Karayannis A., Hadjidakis D., Karkantzios I., Velissariou A., Zarides C., Gouvalias G., Kassomenos P., 2012. Preliminary orientation environmental liability assessment study – results of a full scale industrial installation in the Asopos river basin area. 3<sup>rd</sup> International Conference on Industrial and hazardous Waste Management. Chania, 12-14 September, 2012.
99. Remoundaki E, E. Mantas, N. Mihalopoulos, C. Theodosi and P. Kassomenos, 2013. Mass closure and source apportionment of PM<sub>2.5</sub> in urban environment (Athens, Greece). 13th International Conference on Environmental Science and Technology, Athens, Greece.
100. Remoundaki E, E. Mantas, N. Mihalopoulos, C. Theodosi and P. Kassomenos, 2013. Mass closure and source apportionment of PM<sub>2.5</sub> in urban environment (Athens, Greece). 13th International Conference on Environmental Science and Technology, Athens, Greece.
101. Tsangari, H., Paschalidou, A., Kassomenos, P., Konsoula, Z., Christou, S., Georgiou, K., Mesimeris, T., Heaveside, C., Vardoulakis, S. and Yamasaki EN, 2013. The effect of extreme weather on mortality in Cyprus: high temperatures vs. synoptic air mass types. EHB13 - Conference on Environment & Health Basel 2013.
102. Kelessis A.G., P. Kassomenos, M.J. Petrakakis and E. Karakatsouli, 2013. Benzene Levels in the Atmosphere of Large Greek Urban Centers. 17th International MESAEP Symposium Istanbul/Turkey, September 28 to October 1, 2013.

### ***G. Publications in Refereed Conference Proceedings (National)***

1. Kassomenos P. and G. Kallos, 1992: Dispersion of air pollutants released from point sources in the Athens basin during days characterised by warm advection in the lower troposphere. Proceedings of the 1st Hellenic conference in Meteorology, Climatology and Atmospheric Physics, Aristotle University of Thessaloniki, Faculty of Geology, Department of Meteorology and Climatology, Thessaloniki, pgs. 199-208.
2. Triantafyllou, A, P. Kassomenos, G. Kallos and D. Asimakopoulos, 1994: Dispersion of air pollutants released from point sources in the greater Kozani-Ptolemais area during the winter period under anticyclonic circulation. Proceedings of the 2nd Hellenic conference in Meteorology, Climatology and Atmospheric Physics, Aristotle University of

- Thessaloniki, Faculty of Geology, Department of Meteorology and Climatology, Thessaloniki, pgs. 187-197.
3. Kassomenos P., A. Papadopoulos and G. Kallos, 1994: Fumigation conditions in the Greater Attica area. Proceedings of the 2nd Hellenic conference in Meteorology, Climatology and Atmospheric Physics, Aristotle University of Thessaloniki, Faculty of Geology, Department of Meteorology and Climatology, Thessaloniki, pgs. 225-232.
  4. Petrakis M., S. Lykoudis and P. Kassomenos, 1995: Selection of a typical Meteorological Year for Athens. A proposal. International Symposium on Passive Cooling of Buildings. 19-20 June. 1995, Athens.
  5. Triantafyllou A, P. Kassomenos and G. Kallos 1995: Nocturnal transportation of air pollutants in the Kozani-Ptolemais industrial area during summer period. Proceedings of the 4th Conference on Environmental Science and Technology, Molivos Lesvos, pgs. 72-84.
  6. Kassomenos P, S. Lykoudis, G. Kotsakas and M. Petrakis, 1996: Study of the emissions and dispersion of air pollutants released during the operation of an airport. Proceedings of the 3rd Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, pgs. 348-353.
  7. Lykoudis S., P. Kassomenos and M. Petrakis, 1996: A method for the detection of the onset of warm/cool period of the year. Proceedings of the 3rd Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, pgs. 260-263.
  8. Petrakis M., C. Cartalis, D. Deligiorgi, N. Dalezios, K. Timbas, M. Mathioudi, L. Toullos, P. Kassomenos, S. Lykoudis, X. Fidas, N. Chrisoulakis, K. Zarpas, T. Glezakos and C. Sifakis, 1996: Satellite applications in Agriculture. Proceedings of the 3rd Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, pgs. 254-259.
  9. Petrakis M., S. Lykoudis, P. Kassomenos and D.N. Asimakopoulos, 1996: Creation of a typical meteorological year using measurements of daylighting. 7th Joint Conference of the Greek and Cypriot Physical Unions. Heraklion, Crete.
  10. Kassomenos P, 1997: Options and numerical models for the transportation of air pollutants from urban to agricultural and/or forestial areas. Workshop for the examination of remote sensing techniques for the detection of the kind and the vegetation quality and the crop estimation. Thessaloniki 13/2/1997.
  11. Kassomenos P, 1997: Wind field numerical models. Workshop for the examination of remote sensing techniques for the detection of the kind and the vegetation quality and the crop estimation. Thessaloniki 13/2/1997.
  12. Asimakopoulos V, P. Kassomenos and I. Gee, 1997: Investigating Correlation among the Photochemical Pollutants Measured by the Athens Air Pollution Monitoring Network. Proceedings of the 5th Conference on Environmental Science and Technology, Molivos, Lesvos, pgs. 209-217.
  13. Kassomenos P. A., H. A. Flocas, S. Lykoudis and M. Petrakis, 1997: A contribution to the study of the relationship between the mesoscale circulation and air pollution over Metropolitan Athens Area. Proceedings of the 5th Conference on Environmental Science and Technology, Molivos, Lesvos, pgs. 194-201.
  14. Petrakis M., D. Asimakopoulos, S. Lykoudis and P. Kassomenos, 1997: Measurements of daylighting in the National Observatory of Athens. Proceedings of the 5th Conference in Environmental Science and Technology, Molivos, Lesvos, pgs. 172-178.
  15. Kassomenos P. A., S. Lykoudis and M. Petrakis, 1997: Corellation of photochemical pollutants during weekdays and Sundays in Athens. Proceedings of the 5th Conference on Environmental Science and Technology, Molivos, Lesvos, pgs. 442-449.
  16. Kassomenos P., S. Lykoudis and H. Flocas, 1998. On the thermohyrometric structure of the lower troposphere over Athens. Proceedings of the 4th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, pgs. 73-78.

17. Argyriou A., S. Lykoudis, S. Kontogianidis, K. Balaras, D. Asimakopoulos, P. Kassomenos, M. Petrakis, 1998. Creation of typical meteorological years for Athens. Its Application in energy simulation software. Proceedings of the 4th Hellenic Conference in Meteorology, Climatology and Atmospheric Physics, pgs. 225-230.
18. Kassomenos P., G. Kallos, 1999: Winter air pollution episodes in Athens. The 13th – 14th December 1989 case. 6th Conference on Environmental Science and Technology, Pithagorion, Samos, 28/8-2/9, 1999. Conference Proceedings pg 337-343.
19. Chaloulakou A., Kassomenos P., Grivas G., Manalis N. and Spyrellis N., 2001 : On the PM<sub>10</sub>/PM<sub>2.5</sub> episodes in Athens, during summer 2000. 7th International Conference on Environmental Science and Technology. Ermoupolis, Syros. Conference Proceedings, Volume A, pgs 114-120.
20. Kassomenos P., S. Lykoudis 2001 : Contribution to the Analysis and completion of air pollutants' time series. 7th International Conference on Environmental Science and Technology. Ermoupolis, Syros. Conference Proceedings, Volume A, pgs 428-435.
21. Kassomenos P., 2002. Comparison of the CO concentrations during working days and weekends in Athens. Estimation of the traffic behavior in various areas of the city. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
22. Sintosi O, C. Lolis and P. A. Kassomenos, 2002. Expected weather types during the 2004 Olympics. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
23. Gryparis A, O. Sintosi, C. Lolis, K. Kastouyanni, P. Kassomenos, 2002. Comparison between climatic conditions and daily mortality in Athens. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
24. G. Grivas, A. Chaloulakou, P. Kassomenos, B. Kanouta and N. Spyrellis. Episodes of PM<sub>2.5</sub> in the Athenian Atmosphere during 1999-2000. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
25. Kassomenos P. Risk Analysis for Environmental Hazards. Oil Spills in Crete. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
26. P. Kassomenos and A. N. Skouloudis. Spatial generalisation of air-quality indicators in demonstrating compliance to Environmental Standards. 6th Hellenic Conference in Meteorology, Climatology, Atmospheric Physics, Ioannina, 25-28 September, 2002.
27. Katsoulis V and P., Kassomenos, 2004: Assessment of the air-quality over Athens basin: Applications and comparisons of a group of indices. Proceedings of the 7th Panhellenic Conference in Meteorology, Climatology, Atmospheric Physics, Nicosia, Cyprus, 28-30 September, 2004.
28. Paschalidou A, P. Kassomenos and V. Katsoulis, 2004: Comparison between weekend and weekday air pollutant concentrations in Athens, Greece, for different meteorological conditions. Proceedings of the 7th Panhellenic Conference in Meteorology, Climatology, Atmospheric Physics, Nicosia, Cyprus, 28-30 September, 2004.
29. Lolis C, P. Kassomenos and A. Bartzokas, 2004: An objective daily weather type classification for Athens, using 3-hourly meteorological data for the period 1992-2001. Proceedings of the 7th Panhellenic Conference in Meteorology, Climatology, Atmospheric Physics, Nicosia, Cyprus, 28-30 September, 2004.
30. Koletsis I, P. Kassomenos, B. Katsoulis, 2004: Climatological study of inversions over Athens. Proceedings of the 7th Panhellenic Conference in Meteorology, Climatology, Atmospheric Physics, Nicosia, Cyprus, 28-30 September, 2004.
31. Kassomenos P., 2004: Cartographical mapping of air pollutants dispersion in Athens, using a geographical information system (GIS). Proceedings of the 7th Panhellenic Geographical Conference, pgs. 285-290. Mytilene, 14-17 Oct, 2004.

32. Kassomenos P, A. Adamopoulos, A. Chaloulakou, 2006 : Case studies of transportation of particulate pollution in the Greek territory from other countries. 8th Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 24-26 May, 2006.
33. Papadopoulos A. and P. Kassomenos 2006 : Examination of the unusual dry conditions of the year 2000 in relation of the frequency of appearance of forest fires. 8th Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 24-26 May, 2006.
34. Evagelopoulos V, Diamantopoulos X, Zoras S, A Triantafyllou, A. Asvesta, P. Kassomenos, I. Skordas, 2008. PM<sub>10</sub>, PM<sub>2.5</sub> Concentrations in Urban/non urban environments . Proceedings of the 9th COMECAP, pgs 625-631.
35. Efstathiou G, D. Melas, N Zoumakis and P Kassomenos, 2010. Numerical Simulation of a strong precipitation episode in Northern Greece. Comparison of various microphysics schemes. 10<sup>th</sup> panhellenic Conference on Meteorology, Climatology and Physics of the Atmosphere, Patras, pgs 534-542.
36. Panagopoulos J, Karagiannis A, P. Kassomenos, 2011. Assessment of the dispersion of toxic dust in restoration projects with the aid of operational computational operational computational techniques. Assessment of particulate's concentrations under different meteorological conditions. 4<sup>th</sup> Macedonian Environmental Conference, 18-20 March, Thessaloniki.
37. Panagopoulos J, Karagiannis A, P. Kassomenos, 2011. Assessment of the dispersion of toxic dust in restoration projects with the aid of operational computational operational computational techniques. Evaluation of particulates' dispersion in alternative scenarios of using protection barriers. 4<sup>th</sup> Macedonian Environmental Conference, 18-20 March, Thessaloniki.
38. Petrakakis M, A Kelesis, P Tzoumaka, N Zoumakis, P Kassomenos, Z Kanelopoulou, A Tsaknia, E Koutsari, 2011. Benzene and PM<sub>2.5</sub> in the area of Thessaloniki. 4<sup>th</sup> Macedonian Environmental Conference, 18-20 March, Thessaloniki.
39. Panagopoulos J, A. Karayiannis, D. Hatzidakis, P. Kassomenos, 2012. Problems from the application of the directive 2004/35/EU in Greece. (PD148/2009). 1<sup>st</sup> Περιβαλλοντικό Environmental Conference of Thessaly, Skiathos, 8-10 September 2012.
40. Panagopoulos J, A. Karayiannis, P. Kassomenos, 2012. Development of a methodology for the evaluation of particulates' concentration fields under various meteorological conditions. Evaluation of particulates' dispersion in alternative scenarios of shields protection placement. 4th International Conference of EEDSA, Athens, 30 November-1<sup>st</sup> December, 2012.
41. Hatzidakis D, Panagopoulos J, A. Karayiannis, , P. Kassomenos, 2012. Problems from the application of the directive 2004/35/EU in Greece for the Environmental Responsibility related with development issues in Greece. «ENVIRONMENT AND DEVELOPMENT», Technical Chamber of Greece, Athens, 12-14 December 2012.

## **H. Technical Reports**

1. Lalas D., G. Karras, D. Pissimanis, V. Notaridou, P. Kassomenos, 1984: Selection, adaptation and valuation of a model to predict meteorological conditions conducive to air pollution episodes. Final Report prepared for CEC (DG XI) Contract B6612/9.
2. Lalas D., G. Karras, D. Pissimanis, V. Notaridou and P. Kassomenos, 1985: Models to predict meteorological conditions conducive to air pollution episodes. Final report prepared for CEC (DG XI) Contract B6612.
3. Asimakopoulos D, D. Lalas, C. Helmis, D. Deligiorgi, and P. Kassomenos, 1985: Transportation of air pollutants from Thriassion Plain to Athens Basin. Final report prepared for the Municipality of Nikea, pgs. 174.

4. Kallos G., P. Kassomenos, M. Varinou, A. Papadopoulos, E. Blathras, G. Hatzakis, 1993: Synoptic and mesoscale weather conditions in SE Greece: Their association with air quality in the Greater Athens Area. First Intermediate Report prepared for the CEC, DG-XII, Contract (EV5VCT910050), pp. 45.
5. Kallos G, M. Varinou, A. Papadopoulos and P. Kassomenos, 1993: Study of the dispersion of air pollutants released from the PPC's Power Plant in Soroni, Rhodes. Intermediate report prepared for PPC, pgs. 32.
6. Kallos, G, M. Varinou, A. Papadopoulos and P. Kassomenos, 1993: Study of the dispersion of air pollutants released from the PPC's Power Plant in Soroni, Rhodes. Final report prepared for PPC, pgs. 450.
7. Kallos G, M. Varinou, A. Papadopoulos and P. Kassomenos, 1993: Study of the dispersion of air pollutants released from the PPC's Power Plant in Aliveri and Lavrion. Intermediate report prepared for PPC, pgs. 45.
8. Kallos, G, M. Varinou, A. Papadopoulos and P. Kassomenos, 1993: Study of the dispersion of air pollutants released from the PPC's Power Plant in Aliveri and Lavrion. Final report prepared for PPC, pgs. 850.
9. Kassomenos P., G. Kallos, and C. Pilinis, 1993: Study of the weather conditions during air pollution episodes in Athens. Simulations. New techniques in graphics and parallel processing. Intermediate report prepared for IBM Hellas and the General Secretariat of Science and Technology, pgs. 26.
10. Kassomenos P., G. Kallos, and C. Pilinis, 1993: Study of the weather conditions during air pollution episodes in Athens. Simulations. New techniques in graphics and parallel processing. Final report prepared for IBM Hellas and the General Secretariat of Science and Technology, pgs. 400.
11. Asimakopoulos D.N., C. Helmis, G. Kallos, P. Kassomenos, J. Kalogiros, C. Pilinis, A. Soilemes, 1993: Experimental and Theoretical study of the PBL over the Athens Basin. Simulation of the atmospheric circulation and air pollution transport during air pollution episodes. Progress Report prepared for the General Secretariat of Science and Technology, pp. 25.
12. Kallos G., A Papadopoulos, M. Varinou and P. Kassomenos, 1993: Study of air pollutants' dispersion released from GPC's power plant in Ag. Georgios Keratsini, using as fuel natural gas. Final Reprt prepared for GPC, pgs 25.
13. Doxiades Group of Companies and Cosultans, Kallos G., P. Kassomenos, B. Kotroni and A. Papadopoulos 1994: Meteorological and climatological study of the area of installation of the airport of Rhodes. Final Report prepared for Ministry of Environment. Pgs 40.
14. Doxiades Group of Companies and Consultans, Kallos G., P. Kassomenos, B. Kotroni and A. Papadopoulos 1994: Meteorological and climatological study of the area of installation of the "Macedonia" airport, Thessaloniki. Final Report prepared for Ministry of Environment. Pgs 40.
15. Doxiades Group of Companies and Cosultans, Kallos G., P. Kassomenos, B. Kotroni and A. Papadopoulos 1994: Meteorological and climatological study of the area of installation of the airport of Mikonos. Final Report prepared for Ministry of Environment. Pgs 40.
16. Doxiades Group of Companies and Consultans, Kallos G., P. Kassomenos, B. Kotroni and A. Papadopoulos 1994: Meteorological and climatological study of the area of installation of the airport of Lemnos. Final Report prepared for Ministry of Environment. Pgs 40.
17. Doxiades Group of Companies and Consultans, P. Kassomenos, 1994: Meteorological and climatological study of the area of installation of the airport of Series. Final Report prepared for Ministry of Environment. Pg. 40.

18. Doxiades Group of Companies and Consultants, Kallos G., P. Kassomenos, B. Kotroni and A. Papadopoulos 1994: Meteorological and climatological study of the area of installation of the airport of Kos. Final Report prepared for Ministry of Environment. Pg. 40.
19. Kallos G., V. Kotroni, C. Lagouvardos, P. Kassomenos, G. Hatzakis, M. Varinou, 1994: Transport and transformation of air pollutants from Europe to the East Mediterranean Region. First Technical Progress report, prepared for the CEU, DG XII. Contract no: AVI\*-CT92-0005.
20. Kallos G, M. Varinou, P. Kassomenos, B. Kotroni, and C. Lagouvardos, 1994: Study of dispersion of air pollutants released from the GPC's Power Plant in Soroni, Rhodos. Final report prepared for GPC/DEME, pg. 100.
21. Kallos G, M. Varinou, P. Kassomenos, B. Kotroni, and C. Lagouvardos, 1994: Study of dispersion of air pollutants released from the GPC's Power Plant in Melos. Final report prepared for GPC/DEME, pg. 100.
22. Kallos G, M. Varinou, P. Kassomenos, B. Kotroni, and C. Lagouvardos, 1994: Study of dispersion of air pollutants released from the GPC's Power Plant in Thera. Final report prepared for GPC/DEME, pg. 100.
23. Kallos G, M. Varinou, P. Kassomenos, B. Kotroni, and C. Lagouvardos, 1994: Study of dispersion of air pollutants released from the GPC's Power Plant in Karpathos. Final report prepared for GPC/DEME, pg. 100.
24. Kallos G, M. Varinou, P. Kassomenos, B. Kotroni, and C. Lagouvardos, 1994: Study of dispersion of air pollutants released from the GPC's Power Plant in Kalymnos. Final report prepared for GPC/DEME, pg. 100.
25. Kassomenos P, 1994: Microclimatic Study for the restoration of the banks of Kifissos River in the area of the bridge of Metamorphose of the circular road Elefsina-Stavros-Spata. Final report prepared for the Greek Ministry of Environment, pg. 10.
26. Kassomenos P, 1994: Study of the dispersion-diffusion of air pollutants released from automobiles in the exits of the tunnels of Metamorphose and Heraklion of the highway of Elefsina-Stavros-Spata. Final report prepared for the Ministry of Environment, Housing and Public works through Impetus LTD and ODOTEXNIKI SA, pg. 20.
27. Impetus LTD and Consultants, Kassomenos P., 1994: Meteorological and climatological study of Athens in the year before the onset of the works for METRO. Final report prepared for the Ministry of Environment, Housing and Public works through Impetus LTD and DROMOS SA pg. 183.
28. International Planning and Consultants, Kassomenos P., 1995 Environmental Impact assessment study for the deviation of Amfissa. Final report prepared for the Greek Ministry of Environment.
29. International Planning and Consultants, Kassomenos P., 1995. Environmental Impact Assessment Study for the road Karpenisi-Amfilohia. Final report prepared for the Greek Ministry of Environment.
30. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment Study for the road Zarakes-Aliveri. Final report prepared for the Greek Ministry of Environment.
31. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment for the road Zarakes-Krieza. Final report prepared for the Greek Ministry of Environment Housing and Public works.
32. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment study for the Road Marmari-Karistos. Final report prepared for the Greek Ministry of Environment.

33. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment study for the road of Istiea (deviation of the city). Final report prepared for the Greek Ministry of Environment Housing and Public works.
34. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment for the road of Limni Evia (deviation of the City). Final report prepared for the Greek Ministry of Environment Housing and Public works.
35. International Planning and Consultants, Kassomenos P., 1995: Environmental Impact Assessment study for the road Istiea-Edipsos. Final report prepared for the Greek Ministry of Environment Housing and Public works.
36. Asimakopoulos D., C. Helmis, G. Kallos, P. Kassomenos, J. Kalogiros, C. Pilinis and A. Soilemes, 1995. Experimental and theoretical study of the boundary layer in the Athens Basin. Simulations of the air flow and the air pollutant's behaviour during the days characterised as «episode» days. Final report prepared for the General Secretariat of Research and Technology.
37. Impetuous LTD and Consultants, Kassomenos P., 1994: Study of the air pollution in the area of the station or reloading in Dafni. Final report prepared for the Ministry of Environment, Housing and Public works through Impetus Ltd and Dromos Ltd.
38. Sima LTD and Consultants, Kassomenos P., 1996: Environmental Impact Assessment Study for the road of Nikea-Larisa. Final report prepared for the Ministry of Environment Housing and Public works.
39. Sima LTD and Consultants, Kassomenos P., 1996: Environmental Impact Assessment Study for the deviation of Farsala. Final report prepared for the Ministry of Environment Housing and Public works.
40. Impetuous LTD and Consultants, Kassomenos P., 1996 Environmental Impact Assessment Study for the bridge of Alfios Ilias. Final report prepared for the Ministry of Environment Housing and Public works.
41. Impetuous LTD and Consultants, Kassomenos P., 1997 Environmental Impact Assessment Study for the road of Kastanies-Ormenio, Evros. Final report prepared for the Ministry of Environment Housing and Public works.
42. Asimakopoulos D. etc, 1997. Development of an operational center for the detection of air pollution and enforcement of restrictive measures in the Greater Athens area. Final report prepared for the Ministry of Environment Housing and Public works.
43. Markatos C. N etc, 1997. National network for the detection of Atmospheric Environment (EPPER 4). Final report prepared for the Ministry of Environment Housing and Public works.
44. Spyrellis N. etc, 1997. Inventorying of the requirements and Hammering out a plan to apply the EU directive for the integrated prevention pollution control (IPPC) (EPPER 4). Final report prepared for the Ministry of Environment Housing and Public works.
45. Zeygolis D. etc, 1997. Creation of a mobile remote sensing station to detect air pollutant's using Lidar technology (EPPER 4). Final report prepared for the Ministry of Environment Housing and Public works.
46. Bell M., R. Hamilton, P. Hogland, P. Kassomenos, M. Pranzetti, R. San Jose, A. Skouloudis and V. Pagliani, 1996: Report on Users Requirements. EMMA Project. DG-XIII. Pg. 90.
47. Tombrou M. etc, 1997. Modernization, proper assessment, sitting and expansion of the air pollution network in the Athens Basin (network EARTH-YPEHODE) applying a new method to analyse high resolution satellite images. Final report prepared for the Ministry of Environment Housing and Public works.
48. Bell M., R. Hamilton, P. Hogland, P. Kassomenos, D. Asimakopoulos, C. Zografos, M. Pranzetti, R. San Jose, A. Skouloudis and V. Pagliani, 1998: EMMA Project. DG-XIII. Pg.600.

49. P. A. Kassomenos and D. N. Asimakopoulos: Uniform Air-Quality Indicators for Assessing Air Quality in Large Metropolitan Areas. Final report. ISPRA Pg. 50.
50. Impetus LTD and Consultants, Kassomenos P., 1999: Study of the air pollution in the greater area of Kalymnos airport. Final report prepared for the Civil Aviation Service of Greece.
51. Markatos Ch et al, 1998: Analysis of the effects on Atmospheric Pollution from the operation of Refineries. The Case of Petrola. Final report prepared for YPEHODE.
52. R. Solberg, E Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS Project, Final Report prepared for DG-XIII., Pgs. 500.
53. Solberg, R., E. Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS Project, Demonstration Report. DG XIII.
54. Solberg, R., E. Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS Project, Final validation plan. DG XIII.
55. Solberg, R., E. Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS Project, Report on other emergencies. DG XIII.
56. Solberg, R., E. Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS Business Plan. DG XIII.
57. Solberg, R., E. Volden, P. Kassomenos, D. Asimakopoulos, 1999: ENVISYS EU-Project Report. DG XIII. Pgs 550.
58. Impetus and collaborators, Kassomenos P., 1999. Environmental Impact Assessment Study for the Airport of Kalymnos., 1999. Final Report submitted to the Association of Civil Aviation.
59. Impetus and collaborators, Kassomenos P., 2000. Environmental Impact Assessment Study for the siting of a silo in the area of Pyrgetos, Larissa. Final report submitted to the Prefecture of Larissa.
60. Asimakopoulos D., Carali E., Dalabakis P., Kassomenos P., Petrakis M., Retalis A., Sifakis N., N. Soulakelis., Tombrou M., Viras L. (1997) 'Modernisation, optimisation of the siting and extension of the ground based air pollution monitoring network in the Greater Athens Area by a new method of high spatial resolution satellite images', Final report to the European Commission, DG XII, Programme LIFE, study contract no.94/GR/A32/GR/01616/ATT.
61. Kassomenos P., 2001. Environmental Impact Assessment Study for the Airport of Ithaki. Final Report submitted to the Association of Civil Aviation.
62. Kassomenos P, 2001: Evaluation and Assessment Guidelines, Project PROMED, LIFE.
63. Kassomenos P, 2001: Risk Analysis. Project PROMED, LIFE.
64. Kassomenos P., 2002. Environmental Impact Assessment Study for the Composting Factory of the landfill Ano Liossia.
65. Kassomenos et al, 2003: Study of the wind field in the area of Chios airport. Final report prepared for the Civil Aviation Service.
66. Kassomenos et al, 2002: Study of the wind field in the area of Kastelli airport in Heraklion, Crete. Final report prepared for the Civil Aviation Service.
67. Kassomenos et al, 2003: Study of the wind field in the area of Tripoli Final report prepared for the Civil Aviation Service.
68. Kassomenos P., A. Bartzokas, 2003: PHEWE, First Intermediate Report.
69. Kassomenos et al., 2005: PHEWE Final Report.
70. Kassomenos P et al, 2008. Study of air pollution problems from the extension of TRAM railway to the Port of Piraeus. Final Report prepared for the ministry of Transportation.
71. Kassomenos P et al., 2008. Design of sustainable management of water resources in Aoo/Vjiosa area. Kassomenos, P, 2010. Infectious diseases and environmental monitoring systems, JRC-ISPRA, Institute of Environmental Sustainability. Pg 78.



72. Kassomenos P et al, 2008. Study of the air pollution concentrations in the area of Kastelli airport in Heraklion, Crete. Final report prepared for the Civil Aviation Service.
73. Kassomenos, P, 2010. Infectious diseases and environmental monitoring systems, JRC-ISPRA, Institute of Environmental Sustainability. Pg 78.
74. Kassomenos P, 2010. Air emissions from Gold mining operations in Northern Greece., Final report prepared for Greek Gold Industry.
75. Bais, A, Kassomenos, et al., 2010. Development of a National Research Network for the European Research Infrastructure COPAL.
76. Kassomenos P, 2011. Air emissions from Gold mining operations in Thrace, Final report prepared for Greek Gold Industry.
77. Kassomenos P, 2011. Air emissions from Gold mining operations in Komotini, Final report prepared for Greek Gold Industry.
78. Kassomenos P, 2011. Air emissions from Wastes in Cyprus, Final report prepared for ENVECO LTD.
79. Kassomenos P, 2013. Evaluation of noise measurements in Attiki Road. Final Report prepared for Dynamic Acoustics LTD.
80. Georgiou K, Edna, Kassomenos P, Vardoulakis S, Paschalidou N, Heaviside C, et al, 2013. Intermediate report on Climate Change and public health in Cyprus. Report prepared for Cypriot Foundation of Research.

## 19. CITATIONS

More than 1500  
H-Factor 21 (Scopus)

## 20. SUMMARY

Publications in Referred Journals	115
Publications in International Referred Conference Proceedings	102
Publications in National Referred Conference Proceedings	41
Books	10
Technical reports	80
<b>Total Published Work</b>	<b>348</b>



