

CURRICULUM VITAE
Professor PAVLOS KASSOMENOS

October 2015





1. PERSONAL INFORMATION

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

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Organization of Employment:

University of Ioannina, School of Physics, Division of Environment and Meteorology

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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.

2006-2014 Associate Professor, University of Ioannina, Department of Physics, School of Physics, Division of Environment and Meteorology.

2014-today 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. George Efstathiou, University of Ioannina, School of Physics, 2013«Study of the parameterizations of ABL and microphysics processes on the simulation of heavy rains».
8. Areti Vlahogianni, University of Ioannina, School of Physics 2013, «Comparative Study of air pollution levels in Greek and Finnish cities».
9. George Iakovou, University of Ioannina, School of Physics «Wind flow in an Urban environment». To be finished in 2017.

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, Nottingham, Middlesex, 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, Informationkontroll (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.
 Collaborations :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, Bogazici 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 Tehnical 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. Program Collaboration. Greek platform for the management of natural danger systems.

Time period :2013-2015.
Collaborations :EPSILON SA, ATESE SA, University of Athens, Reserch Center "Democritus"
Funding :ESPA 2007-2013.

32. 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.

33. 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

34. Program lifelong learning (ΠΕΓΑ). Knowledge updating of Alumni on new scientific issues and environmental technologies.

Time period :2012-2014.

Collaborations :Aristotle's University, Patras University

Funding :Greek Ministry of Education.

35. Program lifelong learning (ΠΕΓΑ). Knowledge updating of Alumni on new scientific issues and environmental technologies. Road infrastructures with emphasis on the safe design and environmental licencing. Emphasis in the new European 2008/96/EK, EN1317, 2002/49/EK and 54/2004.

Time period :2012-2014.

Collaborations :University of Thessaly

Funding :Greek Ministry of Education

36. Project Faros-Facility for airborne research observation and sensing

Time period :2015-2018.

Collaborations :Universities of Thrace, National Technical University, University of Patras.

Funding :GSRT.

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 Univeristy 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 ΕΠΕ
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, Dr. Sotiris Vardoulakis
2. Joint Research Center, ISPRA, Italy. Institute for Environment and Health, EU. Prof A. Skouloudis
3. Harvard Univerisity, School of Public Health, USA. Prof P. Koutrakis
4. University of Southern California, USA. Prof. C. Sioutas
5. University of Wisconsin-Madison, USA, Prof. J. Bennet
6. Finnish Meteorological Institute, FI. Dr. J. Kukkonen
7. The University of Birmingham, UK., Prof R. Harrison
8. University of Augsburg, Germany, Prof. Beck
9. The University of Auckland, NZ. Prof. Jennifer Salmond
10. The University of Durham, GB, Prof. Glenn McGregor
11. University of Madrid, Spain, Prof. R. Borge
12. Joint Research Center, ISPRA, Italy. Institute for Consumers Protection, EU, Dr. D. Kontzias
13. European Environment Agency, Kopenhagen, Denmark
14. IDAEA-CSIC, Barcelona, Spain, Prof. D. Barcelo
15. Bogazici University, TR, Prof. Orhan Yenigun
16. Technical University of Instabul, TR, Prof. Selahattin Incecik
17. Health Protection Agency, UK., Dr. Claire Heaviside
18. UK Met Office, Exeter, Dr. G. Efstathiou, Dr. D. Middleton
19. National Technical University of Athens, GR, Prof E. Remoundaki
20. Aristotle University of Thesaloniki, GR, Prof. D. Melas.
21. National Observatory of Athens, GR, Prof H. KamBezides
22. University of Athens, GR, Prof H. Flocas
23. University of Patras, GR, Prof A. Argyriou
24. Democritus University of Thrace, GR, Prof S. Rapsomanikis

25. University of Crete, GR, Prof. N. Mihalopoulos
26. General Secretariat of Research and Technology, GR.
27. Ministry of Environment, GR.
28. Democritus Research Center in Greece, Prof. John Bartzis
29. Power Public Corporation.
30. Greek Met Office
31. Greek Private Companies

8. MEMBERSHIPS

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

9. EDITORIAL

1. The Science of the Total Environment. Associate Editor. Elsevier Publications.
2. Environmental Processes. Springer Publications.
3. Global Nest Journal, SRCosmos Publications.

10. EVALUATOR IN INTERNATIONAL JOURNALS

1. Theoretical and Applied Climatology.
2. International Journal of Climatology.
3. Global Nest 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
40. Particuology

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

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

12. MEMBER OF CONFERENCES' SCIENTIFIC COMMITTEE.

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

11. 2nd Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), 2009.
12. 13th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2010.
13. 10th International Conference on Protection and Restoration of the Environment, 2010.
14. 2nd International Conference on "Hazardous and Industrial Waste management", 2010.
15. 14th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2011.
16. 3rd Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), 2011.
17. 12th International Conference in Environmental Science and Technology, 2011.
18. 4^o Macedonian Environmental Conference, 2011.
19. 16th International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Ioannina, 2011.
20. 14th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, 2012.
21. 11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012, Athens, 29 May – 1 June 2012.
22. 15th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Madrid 2013.
23. 13th International Conference in Environmental Science and Technology Athens, 2013.
24. 17th International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Instabul, 2013.
25. 12nd International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014, Heraklion 28-31 May 2014.
26. 16th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Paris 2014.
27. 17th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Budapest 2015.
28. 18th Mediterranean electrochemical conference – Melecon 2016, April 18-20, 2016, Limassol, Cyprus.
29. 23rd International Congress on Sound and Vibration (ICSV23), 10-14 July 2016, Athens.

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 ES0602 (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. 1st Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 21-23 May 1992, Thessaloniki, Greece 1st 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. 2nd Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 27-29 September 1994, Thessaloniki, Greece.
5. 4th Conference of Environmental Science and Technology, Molivos, Lesvos, 1-4 Sept 1995.
6. 3rd International Conference on Air Pollution "AIR POLLUTION 95". Porto Carras, Chalkidiki, 26-29 September, 1995.
7. Energie et Climat Urbain, CUEPE, Geneva, 1st December, 1995.
8. International Symposium on Applied Agrometeorology and Agroclimatology, Volos, April 24-26, 1996.
9. 2nd Concertation meeting in Telematics Application Programme. Sector Environment, Brussels, 24-28 June, 1996.
10. 4th International Conference on Air Pollution "AIR POLLUTION 96". Toulouse, France, 27-29 August, 1996.
11. 3rd International Conference in Protection and Restoration of Environment, Chania, Creta, 28-30 Aug. 1996.
12. 3rd Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics. 27-29 September 1996, Athens, Greece.
13. 7th Conference on Mesoscale Processes, 9-13 Sept. 1996, Reading, England.
14. 4th Concertation meeting in Telematics Application Programme. Sector Environment, Brussels, 7-8 April 1997.
15. 5th Conference in Environmental Science and Technology-Molivos Lesvos, 1-4 Sept. 1997.
16. 4th European Earth Observation System (EEOS) Workshop, Santorini, 2-3 October, 1997.
17. 6th International Highway and Urban Pollution Symposium. Ispra, Italy, 18-21 May, 1998.

18. 4th 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. 6th 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. 7th Conference in Environmental Science and Technology, Syros, 3-7 September, 2001.
24. 15th 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. 10th Scientific Conference of the International Association of Meteorology of Atmospheric Sciences, Heraklion, Crete. 18-25 September, 2002.
27. 6th 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. 8th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Sofia, Bulgaria, 14-17 October, 2002.
30. 4th International Conference on Urban Air Quality-Measurements-Modelling and Management. Prague, 25-27 March, 2003.
31. 2nd International Symposium of Medical Geology, Nutrition and cancer, Instabul, Turkey. March 31-April 03, 2003.
32. 8th International Conference in Environmental Science and Technology, Myrina, Lemnos, 8-11 Sept. 2003.
33. 9th 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. 7th Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 28-30 September 2004, Nicosia, Cyprus.
36. 7th Panhellenic Geographical Conference of the Greek Geographical Society, 14-17 October 2004, Mytilene.
37. 5th International Conference on Urban Air Quality-Measurements-Modelling and Management. Valencia, 25-27 March, 2005.
38. AMS 17th Conference on Applied Climatology, Savannah, USA, June 20-24, 2005.
39. 13th International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, Thessaloniki 8-12 October, 2005.
40. 9th International Conference in Environmental Science and Technology, Rhodos, 1-3 Sept. 2005.
41. 10th 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. 8th Panhellenic Conference in Meteorology, Climatology and Atmospheric Physics, 25-27 May 2006, Athens, Greece.
44. WSEAS 2006 Conference. Vouliagmeni 11-13 July, 2006
45. 6th International Conference on Urban Air Quality-Measurements-Modelling and Management. Nicosia, Cyprus, 25-27 March, 2007.

46. 11th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes. Cambridge, UK, 4-7 July, 2007.
47. 10th International Conference in Environmental Science and Technology, Kos, 8-10 Sept. 2009.
48. 1st Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Skiathos, June 2007.
49. 4th International Conference Information and Communication Technologies in Bio and Earth Sciences, Athens, September 18-20, 2009.
50. 2nd Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Myconos, June 2009.
51. 7th 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 Giubekian Foundation. Lisbon. Portugal.
54. 11th 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. 15th 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. 2nd International Conference of "Hazardous and Industrial Waste Management". Chania, 5-8 October, 2010.
59. 4th Macedonian Environmental Conference. Thessaloniki, March, 2010, 18-20.
60. 3rd Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE). Skiathos, June 2011.
61. 6th International Workshop on sand/duststorms and associated dustfall. Athens, September 2011.
62. 12th International Conference in Environmental Science and Technology, Rodos, Sept. 2011.
63. 16th International Conference Symposium on Environmental Pollution and its impact on life in the Mediterranean region, Ioannina September, 2011.
64. 13th EGU Plinius Conference in Mediterranean Storms, September, 2011.
65. 14th International Conference on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, October, 2011.
66. 1st Thessaly's Environmental Conference, Skiathos, 6-8 September, 2012.
67. 4th International Symposium and IUAPPA Regional Conference 10-13 September 2012, Istanbul, Turkey.
68. 3rd International Conference on Industrial and hazardous Waste Management. Chania, 12-14 September, 2012.
69. 13th International Conference in Environmental Science and Technology, Athens, 2013.
70. 17th International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Istanbul, 2013.
71. 12nd International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014, Heraklion 28-31 May 2014.
72. 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) & SECOTOX Conference Mukovoç 2015.
73. 12^o International Greece-Cyprus Conference on Chemistry, Thessaloniki, 2015.

74. 18th Mediterranean electrochemical conference – Melecon 2016, April 18-20, 2016, Limassol, Cyprus.
75. 23rd International Congress on Sound and Vibration (ICSV23), 10-14 July 2016, Athens.

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 6/2/2014.

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 SO₂, NO₂ 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. $\frac{1}{2}$, 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. Roiditis, 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 SO₂ and PM₁₀ 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 PM₁₀ and PM_{2.5} particle concentrations in Athens, Greece. *Atmopsheric 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 20th 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 20th 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 pespiratory 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.
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19. CITATIONS

More than 2500
H-Factor 27 (Scopus)

20. SUMMARY

Publications in Referred Journals	139
Publications in International Referred Conference Proceedings	110
Publications in National Referred Conference Proceedings	47
Books	11
Technical reports	81
Total Published Work	388





