

Dr PANAGIOTIS T. NASTOS

Physicist-Meteorologist

Assistant Professor

Laboratory of Climatology and Atmospheric Environment

Faculty of Geology and Geoenvironment

National and Kapodistrian University of Athens

CURRICULUM VITAE

STUDIES

RESEARCH– SCIENTIFIC ACTIVITIES

ATHENS 2008

CURRICULUM VITAE

of

Dr Panagiotis T. Nastos

Physicist-Meteorologist

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Surname	Nastos
First name	Panagiotis
Sex	Male
Date of Birth	5 April 1962
Place of Birth	Athens, Greece
Marital status	Married to Helena Nikolopoulou with two children
Nationality	Greek
Mailing Address (Office)	Laboratory of Climatology and Atmospheric Environment, Department of Geography and Climatology, Faculty of Geology and Geoenvironment, University of Athens Panepistimiopolis GR 157 84, Athens, Greece.
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Education and Professional Progress

1980	Graduated from 1 st Lyceum of Iraklion Attikis, Greece
1980-1985	Degree in Physics, Physics Department, School of Sciences, Aristotle University of Thessaloniki, Greece
1985-1987	Master of Sciences (M.Sc.) in Meteorology, School of Sciences, University of Athens, Athens, Greece.
1987-1999	Scientific collaborator, in the research and educational activities of the Laboratory of Climatology of the University of Athens.
1989-2005	Ph.D. degree in Climatology, School of Sciences, University of Athens, Athens, Greece.
1994-today	Scientific Collaborator, in the research activities of the Research Center for Atmospheric Physics and Climatology of the Academy of Athens and the Research Center for Astronomy and Applied Mathematics of the Academy of Athens.
1995-1999	Scientific Collaborator in the Technological and Education Institute of Athens, Greece.

1999-today	Assistant Professor of Climatology in the Laboratory of Climatology and Geoenvironment of the Faculty of Geology and Geoenvironment of the University of Athens, Greece.
2003-2005	External Professor of Meteorology in the Evelpidon University Military School.
2004--2007	Examiner in the examinations of the Scholarships Government Institution for the courses of Meteorology and Climatology.
2005	Educational full pay leave for 3 months after invitation in the Meteorological Institute of the University of Freiburg, Germany.
2006-today	Member of the Numerical Analysis and Scientific Computing Group, IACM-FORTH
2008-today	Member of the Coastal Information Research Unit, IACM-FORTH

I) SCIENTIFIC-RESEARCH INTERESTS

- **Climatic change:** I have studied the temporal and spatial variability of climatic parameters in Greece, in the wider region of Balkans and in Northern Hemisphere.
- **Bioclimatology:** I have studied the bioclimatic conditions in the Greater Athens Area and Greece, for tourism and human comfort, using specific models and methods.
- **Environment and Human Health:** The influence of environmental factors to human health and especially on the psychological, cardiovascular and respiratory symptoms (mainly childhood asthma exacerbations) is my favorite research.
- **Acid rain-air pollution:** I have been involved with the acid rain phenomenon in Athens, as a partner in scientific programs, and I have studied the distribution and variability of air pollutants in relation to meteorological parameters in Athens and their impact on human health.

II) TEACHING-LABORATORIAL EXPERIENCE

Graduation Cycle

- 1995-1999: Teaching and laboratorial exercises of General Physics to the under-graduated students of the Department of Physics-Chemistry and Materials Technology of the Technological and Educational Institute of Athens.

1999-today:

- Co-Teaching of Climatology to the under-graduated students of the Faculty of Geology and Geoenvironment of the University of Athens.
- Teaching of Applied Climatology to the under-graduated students of the Faculty of Geology and Geoenvironment of the University of Athens.
- Teaching of Atmospheric Physics to the under-graduated students of the Faculty of Geology and Geoenvironment of the University of Athens.
- Laboratorial exercises in Environmental Pollution, Meteorology and Renewable Energy Sources to the under-graduated students of the Faculty of Geology and Geoenvironment of the University of Athens.

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Post-Graduation Cycle:

- Teaching of General Meteorology and Timeseries Analysis to the post-graduated students (M.Sc. in Geography and Environment) of the Faculty of Geology and Geoenvironment of the University of Athens.
- Co-Teaching of Applied Climatology to the post-graduated students (M.Sc. in Geography and Environment) of the Faculty of Geology and Geoenvironment of the University of Athens.
- Co-Teaching of Environmental Geochemistry (Air Pollution) to the post-graduated students (M.Sc. in Environmental Geology) of the Faculty of Geology and Geoenvironment of the University of Athens.
- Co-Teaching of Extreme Weather and Floods to the post-graduated students (M.Sc. in Prevention and Management of Physical Disasters) of the Faculty of Geology and Geoenvironment of the University of Athens.
- Co-Teaching of Long Range Variations-Desertification-Coastal Environment Changes to the post-graduated students (M.Sc. in Prevention and Management of Physical Disasters) of the Faculty of Geology and Geoenvironment of the University of Athens.
- Co-Teaching of Timeseries Analysis to the post-graduated students (M.Sc. in Oceanography) of the collaborating Faculties of Biology, Geology, Physics and Chemistry of the University of Athens.
- Co-Teaching of Climatic Change to the post-graduated students (M.Sc. in Oceanography) of the collaborating Faculties of Biology, Geology, Physics and Chemistry of the University of Athens.
- Co-Teaching of Climatic Change and Human Health to the post-graduated students (M.Sc. in Management of crisis, mass disasters and urgent conditions) of the Faculty of Nursing of the University of Athens.

III) SCIENTIFIC COLLABORATIONS WITH UNIVERSITIES AND RESEARCH CENTERS:

1. 1987-1999: Scientific Partner of the Laboratory *of Climatology of the Geology Department of the University of Athens*
2. 1994-Today: Scientific Partner of the *Research Center for Atmospheric Physics and Climatology of The Academy of Athens.*
3. 1994-Today: Scientific Partner of the *Research Center for Astronomy and Applied Mathematics of The Academy of Athens.*
4. 1996-Today: Scientific Partner of the *Institute of Psychological Hygiene of University of Athens.*
5. 2000-Today: Scientific Partner of the *Institute of Applied Geophysics, Russian Federation.*
6. 2001-Today: Scientific Partner of the *University Cardiological Clinic of the Medicine School of the University of Athens.*
7. 2005: Scientific Partner of the *Meteorological Institute of the University of Freiburg, Germany.*

IV) SHIENTIFIC UNIONS :

I am member of:

- * Greek Physicists Union

- * Balkan Physicists Union
- * Hellenic Meteorological Society
- * Hellenic Geographical Society
- * Hellenic Association of Scientists on Computers and Informatics
- * Global Network for Environmental Science and Technology (*GLOBAL NEST*)
- * American Geophysical Union (*A.G.U.*)
- * European Geosciences Union (*E.G.U.*)
- * 2000-Today: Executive Secretary of the Hellenic Meteorological Society
- * 2002-Today: Representative of the Hellenic Meteorological Society in the Media Committee of the European Meteorological Society

V) PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCES:

I have been member of the Organizing Committee in the:

1st International Congress “Space Applications and Environment”, October-November 1997, Voula, Greece

6th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics, September 2002, Ioannina, Greece

7th Hellenic (International) Scientific Congress in Meteorology-Climatology and Atmospheric Physics, September 2004, Nicosia, Cyprus

8th Congress in Meteorology-Climatology and Atmospheric Physics, (COMECAP 2006), May 2006, Athens, Greece.

9th Congress in Meteorology-Climatology and Atmospheric Physics, (COMECAP 2008), May 2008, Thessaloniki, Greece.

I have participated in the following congresses:

1. ***1st Hellenic Geographical Congress***, February 1986, Athens, Greece.
2. ***2nd Hellenic Geographical Congress***, December 1989, Athens, Greece.
3. ***5th Hellenic Congress in Physics***, December 1989, Athens, Greece.
4. ***1st General Conference of the Balkan Physical Union***, September 1991, Thessaloniki, Greece.
5. ***1st Hellenic Congress in Meteorology-Climatology and Atmospheric Physics***, May 1992, Thessaloniki, Greece.
6. ***B' International Congress of Boeotian Studies***, September 1992, Livadia, Greece.
7. ***3rd Hellenic Geographical Congress***, April 1993, Athens, Greece.
8. ***6th Colloque International de Climatologie***, Σεπτέμβριος 1993, Θεσσαλονίκη.
9. ***2nd Hellenic Congress in Meteorology-Climatology and Atmospheric Physics***, September 1994, Thessaloniki, Greece.
10. ***4th Hellenic Geographical Congress***, October 1995, Athens, Greece.
11. ***7th Hellenic Congress of Physics and 6th Common Congress of the Union of Greek Physicians and Union of Cyprus Physicians***, April 1996, Iraklio, Creta, Greece.
12. ***C' International Congress of Boeotian Studies***, September 1996, Thiva, Greece.
13. ***3rd Hellenic Congress in Meteorology-Climatology and Atmospheric Physics***, September 1996, Thessaloniki, Greece.
14. ***8th Scientific Assembly of International Association of Geomagnetism and Aeronomy (IAGA) with International Commission on the Middle Atmosphere (IMCA) of the International Association of Meteorology and Atmospheric Sciences (IAMAS) and***

- 9th Solar Terrestrial Physics (STP) Symposium of the Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)**, August 4-15, 1997, Uppsala, Sweden
15. **3rd General Conference of the Balkan Physical Union**, September 1997, Cluj-Napoca, Romania,
16. **Hellenic Congress «Archipelagos**, October 1997, Pireas, Greece.
17. **1st International Conference “Space Applications and Environment”**, 31/10-2/11 1997, Voula, Greece.
18. **3rd Environmental Congress**, December 1998, Chalkida, Greece.
19. **15th Hellenic Congress of Psychiatry**, 29 April-3 May 1998, Limnos, Greece.
20. **International Meeting: Impacts of Climatic Changes on the Mediterranean Countries**, September 1998, Metsovo, Greece.
21. **4th Hellenic Congress in Meteorology-Climatology and Atmospheric Physics**, September 1998, Athens, Greece.
22. **6th International Conference on Environmental Science and Technolog**, 30 August-2 September 1999, Pythagorion, Samos, Greece.
23. **International Congress on the Sustainable Development of Thermal Mineral Waters and Spa Therapy. Contribution of Balneology and New technologies in the 21st Century**. September 1999, Edipsos Spa “Spa Thermae Sylla”, North Evia, Greece.
24. **20th Congress of the International Association for Suicide Prevention**, November 1999, Athens, Greece.
25. **5th Hellenic Geographical Congress**, November 1999, Athens, Greece.
26. **Panhellenic Interdisciplinary Congress for Sleep Reseach**, November 1999, Kavouri, Greece.
27. **1th Panhellenic Congress: Geographical Information Systems, Possibilities and Applications, Prospects and Challenges**, December 1999, Athens, Greece.
28. **7th Common Congress of Greek Physicist Union and Cypriote Physicist Union**, February 2000, Zakynthos, Greece.
29. **2nd International Conference “Space Applications and Environment”**, May 2000, Aigeira, Greece.
30. **5th Hellenic Congress in Meteorology-Climatology and Atmospheric Physics**, September 2000, Thessaloniki, Greece.
31. **D' International Congress of Boeotian Studies**, September 2000, Levadia, Greece.
32. **3rd International Conference of Balkan Environmental Association (B.E.N.A.)**, November 2000, Bucharest-Romania.
33. **Congress: Technologies on Renewable Energy Sources and Environment**, December 2000, Athens, Greece.
34. **4th Environmental Congress**, January 2001, Kalabaka, Greece.
35. **Global Change Open Science Conference**, July 2001, Amsterdam, The Netherlands,
36. **7th International Conference on Environmental Science and Technology**, September 2001, Syros, Greece.
37. **9th International Congress of the Geological Society of Greece**, September 2001, Athens, Greece.
38. **11th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region**, October 2001, Limassol, Cyprus.
39. **International Conference “Protection and Restoration of the Environment VI”**, July 2002, Skiathos, Greece.
40. **XVI IEA World Congress of Epidemiology**, August 2002, Montreal, Canada.
41. **6th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics**, September 2002, Ioannina, Greece.

42. *Hellenic Cardiological Congress*, 30 October-2 November 2002, Athens, Greece.
43. *6th Hellenic Geographical Congress*, October 2002, Thessaloniki, Greece.
44. *7th Hellenic Symposium of Oceanography and Fishery*, May 2003, Chersonisos, Creta, Greece.
45. *International Conference on Atmospheric Electricity (ICAE)*, 9-13 June 2003, Versailles, France.
46. *2nd International Conference on Ecological Protection of the Planet Earth*, June 2003, Sofia, Bulgaria.
47. *8th International Conference on Environmental Science and Technology*, 8-10 September 2003, Lemnos island, Greece.
48. *Quadrennial Ozone Symposium*, 1-8 June 2004, Island of Kos, Greece.
49. *2nd International Workshop on Climate, Tourism and Recreation*, 8-11 June 2004, Kolimbari, Crete.
50. *35th COSPAR Assembly*, 17-24 July 2004, Paris, France.
51. *32nd International Geological Congress*, 20-28 August 2004, Florence, Italy.
52. *7th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics*, September 2004, Nicosia, Cyprus.
53. *7th Hellenic Geographical Congress*, October 2004, Mytilini, Greece.
54. *9th International Conference on Environmental Science and Technology*, 1-3 September 2005, Rhodes Island, Greece.
55. *7th Hellenic Hydrogeology Conference, 5-6 October, 2nd Workshop on Hydrogeology of Fissured Rocks*, Athens 2005.
56. *13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region*, October 8th to 12th, 2005, Thessaloniki – Greece.
57. *17th International Congress of Biometeorology - ICB 2005*, September 5 - 9, 2005, Congress Center Garmisch-Partenkirchen, Germany.
58. *WENGEN-2005, Wengen Workshop on Global Change Research, 10th Anniversary Meeting Climate, Climatic Change and its Impacts on Human Health*, September 12-14, 2005, Hotel Regina, Wengen (Bernese Alps) Switzerland.
59. *7th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics*, September 2004, Nicosia, Cyprus.
60. *8th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics*, May 2006, Athens.
61. *8th Hellenic Symposium in Oceanography and Fishery*, 4-8 June 2006, Thessaloniki.
62. *Protection and Restoration of the Environment VIII, Chania-Crete, Greece*, 3-7 July 2006
63. *WSEAS International Conference: Energy, Environment, Ecosystems, Sustainable Development (EEESD'06)*, 11-13 July 2006, Vouliagmeni, Athens, Greece
64. *7th Hellenic Congress in Preventive Medicine*, 25-27 January 2007, Athens
65. *AQUA 2006, Water Science and Technology Integrated Management of Water Resources*, 23-26 November 2006, Athens, Hellas
66. *First International Conference on the Management of Natural Resources, Sustainable Development and Ecological Hazards*, 12-14 December 2006, Bariloche, Argentina
67. *6th European Conference on Applied Climatology (ECAC)*, September 2006, Ljubljana, Slovenia
68. *5th WSEAS International Conference on Environment, Ecosystems and Development*, 20-22 November 2006, Venice, Italy
69. *European Geosciences Union General Assembly 2007*, April 2007, Vienna, Austria.

70. **SECOTOX Conference and the International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE)**, June 2007, Skiathos Island, Greece.
71. **Bremen Aerosol Workshop**, June 2007.
72. **13th International Conference on Atmospheric Electricity**, August 2007, Beijing, China.
73. **10th International Conference on Environmental Science and Technology (CEST2007)**, September 2007, Kos Island, Greece.
74. **3rd International Workshop on Climate, Tourism and Recreation**, September 2007, Alexandroupolis, Greece.
75. **8th Hellenic Geographical Congress**, October 2007, Athens, Greece.
76. **7th EMS Annual Meeting / 8th European Conference on Applications of Meteorology**, October 2007, San Lorenzo de El Escorial, Spain.
77. **14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region**, October 2007, Sevilla, Spain.
78. **5th WSEAS International Conference on Environment, Ecosystems and Development**, December 2007, Tenerife, Spain.
79. **8th Hellenic Congress in Preventive Medicine**, January 2008, Athens, Greece.
80. **15th National Space Science Symposium (NSSS-2008)**, February 2008, Udhagamandalam (Ooty) India.
81. **26th European Conference-Society of Environmental Geochemistry and Health (SEGH)**, March-April 2008, Athens, Hellas.
82. **European Geosciences Union General Assembly 2008**, April 2008, Vienna, Austria.
83. **6th International Conference on Computer Simulation Risk Analysis and Hazard Mitigation**, May 2008, Cephalonia, Greece.
84. **9th Hellenic Scientific Congress in Meteorology-Climatology and Atmospheric Physics, (COMECAP2008)**, May 2008, Thessaloniki, Greece.
85. **20th National Congress of the Hellenic Operational Research Society**, June 2008, Spetses, Greece.
86. **Protection and Restoration of the Environment IX**, June-July 2008, Kefalonia, Greece.
87. **33rd International Geological Congress**, August 2008, Oslo, Norway.
88. **18th International Congress of Biometeorology (ICB2008)**, September 2008, Tokyo, Japan.
89. **10th Plinius Conference on Mediterranean Storms, European Geosciences Union (EGU) Topical Conference Series**, September 2008, Nicosia, Cyprus.
90. **8th Annual Meeting of the European Meteorological Society (EMS) and the 7th European Conference on Applied Climatology (ECAC)**, September-October 2008, Amsterdam, The Netherlands.
91. **1st International Symposium on Green Chemistry for Environment and Health**, October 2008, Munchen, Germany.
92. **8th International Hydrogeological Congress and 3rd MEM Workshop on Fissured Rocks Hydrology**, October 2008, Athens, Greece.

VI) PARTNERSHIP IN RESEARCH PROPOSALS AND PROGRAMMS:

I have participated in the following scientific programs, which are analyzed below:

1. Title : **Acid rain in Athens, 1987.**
 Provider : General Secretary for Research and Technology of Greece

2. Title : ***Establishment of a distant users communication net and construction of the Data Base of Astronomy, Astrophysics, Space, and Global Change (GLOBAL CHANGE - IGBP), 1995.***
 Provider : General Secretary for Research and Technology of Greece
3. Title : ***Study on the ozone variation in Greece, 1996.***
 Provider : European Community.
4. Title: ***Collection of existing meteorological observations for Kerkyra Island (1809-1990). Precipitation, 1995.***
 Research Committee of the Academy of Athens.
5. Title : ***A model of environmental pathogenic influences on human activities, 1996.***
 Provider : Research Committee of the Academy of Athens.
6. Title : ***A multivariate approach for the estimation of climatic regions in Greece, 1997.***
 Provider : Research Committee of the University of Athens.
7. Title : ***Chemical Analysis of the precipitation in two regions of Athens area (urban and sub-urban), 1997-Today.***
 Provider : Research Committee of the University of Athens.
8. Title : ***Coordination and Secretariat support of the Academy of Athens Committees of a) Space Research b) study of Global Change IGBP, and the Sub-Committees MEDCOM/START and LOITCZ/ELOISE,1997.***
 Provider : XII Direction of the European Union
9. Title : ***Study of Climatic Changes. Spatial and Temporal variability and covariability of the air temperature for the North Hemisphere with the Principal Components Analysis method, 1998.***
 Provider : Research Committee of the Academy of Athens.
10. Title : ***Construction of a Data Base of the Publications of the Academy of Athens, 1998.***
 Provider : General Secretary for Research and Technology of Greece
11. Title : ***Contribution of the solar corpuscular radiation to the physico-chemical processing of the middle atmosphere, 1999.***
 Provider : General Secretary for Research and Technology, Bilateral Cooperation Greece-Russia (1998-2000)
12. Title: ***Study of the Atmospheric Electricity over Athens, 2000-Today.***
 Provider: Research Committee of the University of Athens
13. Title: ***SCOUT project: Comparability between various total ozone***

- Provider: *data sets (TOMS, GOME, SCIAMACHY and OMI)*
European Community.
14. Title: *Natural and anthropogenic changes of cirrus clouds and their repercussions in the atmospheric environment*
Provider: General Secretary for Research and Technology of Greece
15. Title: *A pilot system for observation of the environmental conditions of the beach*
Provider: Research Committee of the University of Athens
16. Title: *Use of dynamic downscaling methods for the study of extreme events in Greece.*
Provider: Research Committee of the University of Athens
17. Title: *Study of the desertification in Greek islands and the interior of Turkey*
Provider: General Secretary for Research and Technology of Greece, Bilateral Cooperation Greece-Turkey (2007-2009)
18. Title: *Geo parks in Cyprus and Greece*
Provider: General Secretary for Research and Technology of Greece, Bilateral Cooperation Greece-Cyprus (2007-2009)

VII) PARTNERSHIP IN WORKING GROUPS:

1. *Status of protection of pre-industrial landmarks in different countries or regions: What kind of landmarks are protected and how (and which are not)*, (2005), COST Action A27, Kartografisk Dokumentationscenter, Institut for historie, Kultur of Samfundsbeskrivelse, Syddansk Universitet, Campusvej 55, DK-5230, 28-30 May 2005, Odense, Denmark.
2. *Working Group 1: Models and Tools to Assess flood Probability and Measures to Decrease Probability*, (2006), EU-Initiative, COST Action C22 Urban Flood Management, 15 January 2006, Hamburg-Harburg, Germany.
3. *First meeting of the "SCAR Working Group on Ecosystems & Natural Resources Sustainable Management"*, (2006), INRA – Environmental Scientific Direction, 16 June 2006, Bruxelles, Belgium.

VIII) REVIEWER IN SCIENTIFIC JOURNALS

- Journal of Tourism Management, 2006-today.
- Advances in Geosciences (ADGEO), 2006-today.
- Fresenius Environmental Bulletin, 2006-today.
- Science of the Total Environment, 2006-today.
- Respiratory Medicine, 2007-today.
- Atmosfera, 2007-today.
- Climate Research, 2007-today.
- Water, Air, & Soil Pollution, 2007-today.
- Advances in Space Research, 2007-today.

➤ Journal of Atmospheric and Solar Terrestrial Physics 2009-today

IX) OTHER ACTIVITIES :

- * I am an excellent user of computers with different operative systems (*MS-DOS, WINDOWS 2000, WINDOWS XP*) and a programmer specialized in scientific programs using *FORTRAN, BASIC* and *QBASIC*. Also I know very well the use and applications of a variety of statistical programs (*R-PROJECT, SPSS, STATISTICA, STATGRAF*), word processing programs (*WORD, WORDPERFECT, WORDSTAR*), and programs for spatial distributions and graphs, (*SURFER, GRAPHER, ORIGIN*).
- * I have a lot of experience in networks and I have contributed in the construction of the Academy of Athens web pages into the INTERNET. Also I have a great knowledge in the computers' hardware.
- * I collaborate with the Research Center for Atmospheric Physics and Climatology of the Academy of Athens and present every day the weather prognosis for Greece, using the american model GFS, concerning the levels of 850 hPa and 500 hPa.
- * I am in charge of the meteorological station of the Laboratory of Climatology and Atmospheric Environment, which is established in the University Campus of Athens. The station provides the figures of the meteorological parameters in real time in a wide screen installed in the entrance of the Laboratory. Also I am responsible for the real time projection of the meteorological parameters, in INTERNET.
- * I have written for subjects concerning climatic changes and acid rain in newspapers and popular magazines and I have given interviews in the radio and TV as well.
- * I know English very good and especially technical terminology.

X) PUBLICATIONS

➤ **PAPERS in PEER REVIEWED JOURNALS (Impact Factor 2007)**

1. DIKAIAKOS, J., TSITOURIS, C., SISKOS, P., MELISSOS, D., NASTOS, P. 1990, *Rain water composition in Athens, Greece*. Atmospheric Environment, Vol. 24B, No1, pp. 171-176, (IF: 2.549)
2. NASTOS, P.T., 1998, *Modelling and prediction of gridded mean annual temperature over the grid box: 20° - 30°E, 35° - 45°N*. Fresenius Environmental Bulletin, Vol. 7, pp. 572-576, (IF: 0.510)
3. PHILANDRAS, C.M., METAXAS, D.A., NASTOS, P.T., and REPAPIS, C.C., 1999, *Climate Variability and Urbanization in Athens*. Theoretical and Applied Climatology, Vol. 63, pp. 65-72, (IF: 1.674)
4. METAXAS, D.A., PHILANDRAS, C.M., NASTOS, P.T., and REPAPIS, C.C., 1999, *Variability of precipitation pattern in Greece during the year*. Fresenius Environmental Bulletin, Vol. 8, pp. 001-006, (IF: 0.510)
5. PALIATSOS, A.G., NASTOS, P.T., 1999, *Relation between air pollution episodes and discomfort index in the greater Athens area, Greece*.

6. **PISANKO, YU., SVIDSKY, S.M., PALIATSOS, A.G., NASTOS, P.H., KORBAKIS, G.K., TOURPALI, C., TRITAKIS, V., 2001, *Energetic Electrons Involve in the Physicochemical Processing of the Middle Atmosphere.***
Balkan Physics Letters, Special Issue/2001, pp. 434-440.
7. **PALIATSOS, A.G., PANAGIOTAKOS, D.B., NASTOS, P.T., KORBAKIS, G.K. TRITAKIS, V.P., BERGIANNAKI, J.D., PSARROS, C., PAPARRIGOPOULOS, T., STEFANIS, C.N., 2001, *The Associations between Geomagnetic and Environmental Indices with Psychological Symptoms, in the Greater Athens Area, during the Maximum of the Solar Cycle No 22.***
Balkan Physics Letters, Special Issue/2001, pp. 284-291.
8. **NASTOS, P.T., PHILANDRAS, C.M., REPAPIS, C.C., 2002, *Application of Canonical Analysis to Air Temperature and Precipitation Regimes over Greece.***
Fresenius Environmental Bulletin, Vol. 11, No. 8, pp. 488-493, (IF: 0.510)
9. **NASTOS, P.T., PHILANDRAS, C. ,M., PALIATSOS, A. G., 2002, *Fourier Analysis of the Mean Monthly NO_x Concentrations in the Athens Vicinity.***
Global Nest Journal, Vol. 4, No 2-3, pp. 145-152.
10. **DIDASKALOU, E.A., NASTOS, P.T., 2003, *The role of climatic and bioclimatic conditions in the development of health tourism product.***
Anatolia, An International Journal of Tourism and Hospitality Research, Vol. 14, No 2, pp. 107-126.
11. **PANAGIOTAKOS, D.B., CHRYSOHOOU, C., PITSAVOS, C., NASTOS, P.T., ANADIOTIS, A., PALIATSOS, A.G., TENTOLOURIS, C., STEFANADIS, C., TOUTOUZAS, P., 2004, *Climatological Variations in Daily Hospital Admissions for Acute Coronary Syndromes.***
International Journal of Cardiology, Vol. 94 (2-3), pp. 229-233 (IF: 2.878)
12. **PHILANDRAS, C.M., NASTOS, P.T., KANELLOPOULOU, E.A., PALIATSOS, A.G., 2004, *Spatial and temporal distribution of air temperature in the northern hemisphere.***
Global Nest Journal, Vol. 6, No 3, pp. 175-180.
13. **PALIATSOS, A.G., NASTOS, P.T., TZAVELAS, G., PANAGIOTAKOS, D.B., 2005, *Characteristics of precipitation in the Athens area, Greece.***
Fresenius Environmental Bulletin, Vol. 14, No 7 pp. 1-7, (IF: 0.510)
14. **NASTOS P.T., MATZARAKIS A., 2005, *The influence of biometeorological parameters on the infectious respiratory diseases in Athens, Greece.***
Annalen der Meteorologie 41, Vol. 1, 433-436.
15. **ZEREFOS C.S, NASTOS P.T., BALIS D., PAPAYANNIS A., KELEPERTSIS A., KANNELOPOULOU E.A., NIKOLAKIS D.J., ELEFThERATOS C., THOMAS W., VAROTSOS C., 2006, *A Complex Study of Etna's Volcanic Plume from Ground-based, In-situ and Space-borne Observations.***

16. **NASTOS P.T.**, PALIATSOS A.G., PRIFTIS K.N., KALDELLIS J.K., PANAGIOTOPOULOU-GARTAGANI P., TAPRATZI-POTAMIANOU P., ZACHARIADIXYPOLITA A., KOTSONIS K., KASSIOU K., SAXONI-PAPAGEORGIU P., 2006, *The effect of weather types on the frequency of childhood asthma admissions in Athens, Greece*.
Fresenius Environmental Bulletin, Vol. 15, No 8b, pp. 936-942, (IF: 0.510)
17. **NASTOS P.T.**, PALIATSOS A.G., TRITAKIS V.P., BERGIANNAKI, A., 2006, *Environmental discomfort and geomagnetic field influence on psychological mood in Athens, Greece*.
Indoor and Built Environment, Vol. 15(4), pp. 365-372, (IF: 0.500)
18. **NASTOS P.T.**, MATZARAKIS A., 2006, *Weather impacts on respiratory infections in Athens, Greece*.
International Journal of Biometeorology, Vol. 50, pp. 358-369, (IF: 1.562)
19. PAPAIOANNOU A., PLAGERAS P., DOVRIKI E., KAKAVAS K., **NASTOS P.T.**, PALIATSOS A.G., 2006, *Quality Control of Drinking Water and Public Health*.
WSEAS Transactions on Environment and Development, Vol. 2, Issue 6, pp. 845-850.
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