

CURRICULUM VITAE

D. N. ASIMAKOPOULOS
Professor

First Part

Athens, 2025

1. GENERAL INFORMATION

Surname: Asimakopoulos

Name: Demosthenes

Father's name: Nicholas

Organization of last primary employment:

National & Kapodistrian University of Athens, (NKUA)

Professor of Environmental Physics

Former Rector of the University

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2. HIGHER EDUCATION

Diploma, Department of Electronic and Electrical Eng., University College
London, 1973.

Ph.D., Department of Electronic and Electrical Eng., University College London, 1976.

D.Sc., Faculty of Mathematics and Physics, University of Athens, 1978

3. EMPLOYMENT

Academic Positions

1973-1976, Research Assistant, Dept. of Electronic and Electrical Eng., University
College London, UK.

1976-1977, Research Fellow, (lecturer scale.), Dept. of Electronic and Electrical Eng.,
University College London, UK.

- 1977-1978, Lecturer,(the old ranking system), Dept. of Physics, Faculty of Physics and Mathematics, NKUA, GR.
- 1978-1982, Reader,(the old ranking system), Dept. of Physics, Faculty of Physics and Mathematics, NKUA, GR.
- 1982-1984, Assist. Professor, Dept. of Physics, Faculty of Positive Sciences, NKUA, GR.
- 1984-1987, Assoc. Professor, Dept. of Physics, Faculty of Positive Sciences, NKUA, GR.
- 1987-2015, Professor, Dept. of Physics, Faculty of Positive Sciences, NKUA, GR.
- 2015-today Professor Emeritus.

Administrative Positions Held in the University

- 1985-1994 and 2000-2015, Director of the Laboratory of Meteorology.
- 1987-2000 **Director** of the Applied Physics Department.
- 1999-2004, **Chairman** of Faculty of Physics.
- 2003-2009, **Vice Rector** of the University
- 2006-2010, **Chairman** of the Research Committee Account of the NKUA
- 2008-2010, **Director** of the University Center of Continues Education
- 2009-2010 **Rector** of the University

Administrative Positions Held Outside NKUA.

- 1978-1985, **Adj. Professor**, Faculty of Engineering, Air Force Academy, GR.
- 1978-1987, **Adj. Professor**, Postgraduate School, Army Signal Corps, GR.
- 1980-1981, **Adj. Professor**, Postgraduate School, Meteorological Office, GR.
- 1980-1981 **Senior Scientist** – Researcher, National Oceanic and Atmospheric Administration, Wave Propagation Laboratory, Boulder Colorado, USA

1989-1999 **Director** of the Institute of Meteorology and Physics of the Atmospheric Environment of the National Observatory of Athens, GR.

4. TEACHING EXPERIENCE

Teaching in Greece and abroad since 1973.

Dept. of Electronic and Electrical Eng., University College London, UK.

Dept. of Physics, NKUA, GR.

International Center for Theoretical Physics of Trieste, Italy.

European Association for Environmental Management Education, Varese, Italy.

a) Polytechnic School of Torino, IT.

b) University of Trier, GE.

Faculty of Engineering, Air Force Academy, GR.

Postgraduate School, Meteorological Office, GR.

Postgraduate School, Army Signal Corps, GR.

Subjects Taught.

Applied Meteorology - Environmental Instrumentation

Applied Statistics

Physics of the Atmospheric Boundary Layer, (henceforth A.B.L.).

General Meteorology

Air Pollution - Protection of the Atmospheric Environment

Basic on Geophysical Flows

Radio meteorology and Radio Propagation in the Atmosphere

Renewable Energy Sources

Environmental Awareness and Education

Building Physics

Supervision of Ph.D., MSc and final year project in Greece and Abroad.

His students occupy various academic, research and administrative positions in Greece and abroad.

5. RESEARCH EXPERIENCE

The scientific research work starts in the early 1972 with the Diploma final year project at University College London with the design of an acoustic sounder. This work was actually extended to Ph.D. the subject of which was, the design and the construction of acoustic radar suitable for quantitative meteorological measurements in the atmospheric boundary

layer and its use for the study of microwave propagation. This research work was completed in the beginning of 1976.

Since then, the free research work started and continued till today. The research topics covered so far include:

- a) The design of modern in-situ and remote sensing meteorological instrumentation.
- b) Experimental studies in the atmospheric boundary layer.
- c) Air pollution studies.
- d) Wind energy studies.
- e) Solar radiation studies.
- f) Building Physics and Energy Saving studies.

Details of the project work undertaken over the years, the funding and the scientific collaborations are given in the second part of the CV.

6. SCIENTIFIC COLLABORATIONS WITH OTHER INSTITUTIONS

(The most important and representative)

1. University College London - Dept. of Electronic and Electrical Eng., U.K.
2. British Meteorological Office - Cardington Research Center, U.K.
3. National Oceanic and Atmospheric Administration - Wave Propagation Lab. Colorado, USA.
4. Cooperative Institute for Environmental Research - University of Colorado, USA.
5. Institute "Rudjer Boskovic", Yugoslavia.
6. Kernforschungszentrum Karlsruhe Institut, für Radiochemie, Germany.
7. Research Center, Greek Air Force.
8. Public Power Corporation, GR.
9. Research Center, the Netherlands Royal Meteorological Office, Cabauw, NL.
10. Bedford Institute of Oceanography, Halifax, Canada.
11. University of Uppsala - Dept. of Meteorology, Sweden.
12. British Post-Office-Research Center, Martlesham, U.K.
13. Imperial College London, U.K.
14. General Secretariat for Research and Technology.
15. Research Center, Greek Naval Office.
16. Polytechnic School of Torino.
17. Swedish Royal Academy.
18. National Technical University of Athens.
19. Watenfall, (Swedish Public Power Corporation).
20. University of the Aegean.
21. ETBA.

22. Dundee University - Depts. of Dermatology and Physics, U.K.
23. Telespazio S.P.A., Italy.
24. University de L' Aquila, Italy
25. National University of Ireland (Univ. of Galway).
26. K.F.A., Julich, Germany.
27. Science and Engineering Research Council, UK.
28. Universite' P. et M. Curie - Service d' Aeronomie, UK.
29. University of Reading, UK.
30. Free University, Berlin, Germany.
31. C.N.R.S., France.
32. University College of Wales, UK.
33. Dundee Univ. Physics Dept., UK.
34. Aristotelian University of Thessalonica.
35. Building Research Establishment, UK.
36. National Center of Physical Research - Democritus
37. B.B.R.I., Belgium.
38. Center for Renewable Energy Sources.
39. Fraunhofer Institute Society, Germany.
40. J.R.C. ISPRA, E.U.
41. Georgian Academy of Sciences.
42. Cyprus Institute, Cyprus.
43. La Trobe University, Australia.
44. Harvard School of Public Health

7. MEMBERSHIPS

1. British Royal Meteorological Society (RMS) - Fellow.
2. Technical Chamber of Greece - Member.
3. British Institute of Electronic and Radio Eng. – Graduate.
4. Hellenic Meteorological Society - Fellow.
5. Institute of Electrical Eng. (IEE- UK) - Fellow.
6. British Chartered Eng. (C.Eng) .
7. European Association for the Science of Air Pollution (EURASAP) - National Representative and Member.
8. European Wind Energy Association (EWEA) - Member.
9. Hellenic Wind Energy Association (HWEA) - Founding Member.
10. European Environmental Research Organisation (EERO) – Member
11. Institute of Solar Technique, GR – Member.
12. Foreing Member of the Georgian Academy of Science.

13. Foreign Member of the Russian Academy of Natural Sciences.

8. OTHER PROFESSIONAL ACTIVITIES

1. Member and Vice-Chairman of the Management Board of the Hellenic Meteorological Society Council, (1980 - 1990).
2. Vice-Chairman of the National Institute of Oceanography of Greece (1982 - 1984).
3. Research Associate of the Greek Air Force Research Center (1980 - 1981).
4. Director of the Institute of Meteorology and Physics of the Atmospheric environment of the National Observatory of Athens (1989 - 1999).
5. Member of the University of Athens Senate, (1986-88; 1990-92; 1999- 2010).
6. National Representative for Greece for Wind Energy Applications, 1983, for Remote Sensing, for the formation of the European Center of Earth Observation, (1991-95) and Environmental and Climate, 1994-99.
7. Founding Member of the European Association for Environmental Management Education. Member of the Steering Committee and the Academic Board, (1991-2006).
8. Founding Member and Scientific Responsible of the Greek Centre for Energy Education of the University of Athens and D.G. 17 CEC, (CIENE), 1993-2015.
9. Elected Member of the NATO Special Programme Panel on the Science of Global Environmental Change, (1993-1998).
10. Member of the Governing Board of the Hellenic Space Committee, (1994- 2000).
11. Elected member and Vice Chairman of the Scientific Committee of the European Environment Agency (1994-2002).
12. Member of the patronage committee of the Hellenic Society for the protection of nature, (1996 – today).
13. Chairman of the Scientific Board of the National Center of Marine Research, (1996 – 1999).
14. Member of the Board of Governors of the Joint Research Center of the European Commission, (2002 – 2004).
15. Member of the Management Board of the Institute Solar Technique, (2001 – today).
16. Chairman and Managing Director, Eugenidion Hospital of the University of Athens, (2003 – 2007).
17. Vice Chairman of the Onassion Cardio Surgical Hospital, (2004 – 2007).
18. Chairman and General Secretary of the University of Athens Property Management Ltd., (2007 – 2010).
19. Vice Chairman of the Steering Committee for the preparation of the Operational Plan for the Building Energy Performance, Ministry of Development, (2008 – 2009).
20. Member of the Management Board of the Mariolopoulio – Kanaginio Institution of Environmental Sciences, (2008 – today).

21. Member of the National Council of Research and Innovation, (2019 – 2020).
22. Member of the Board of Governors of the Hellenic Medical Library and Center of Medical Documentation, (2018 – today).
23. Member of the Hellenic Authority for Communication Security and Privacy, (2023 – today).

9. AWARDS- PRIZES

1. **Fellow of the Royal Meteorological Society, (FRMS, UK.)**
2. **Fellow of the Hellenic Meteorological Society, (GR.)**
3. **Fellow of the Institute of Electrical Eng., (FIEE, UK.)**
4. **Foreign Member of the Georgian Academy of Sciences.**
5. **First Prize, Best Practice, Laboratory of Meteorology. ECO City, 2008.**
6. **Russian Academy special distinction for the Overall Scientific Contribution, 2008.**
7. **Diploma No 30/5 of the Georgian Academy of Sciences for Exceptional Contribution to Modern Sciences and Technology, May 2008.**
8. **Prize of Excellence as Operational Coordinator, “Information Society Program”, Invitation 172, Action 1.3, awarded by the Hellenic Ministry of Economy and Finance, 2009.**
9. **Special Award for the contribution as Coordinator of the European «Dragon» International Program from the European Space Agency and the National Remote Sensing Center of China 2012.**
10. **Ecocity 2014 First Prize for personal life-long research.**
11. **Special Award for Outstanding Contribution to the Success and Achievements of the MOST/ESA Dragon Programme 2012 to 2016.**
12. **Other Distinctions and Awards**
 - a) **Lord Notarius of the Alexandria Patriarch for his contribution to Higher Education, 2009.**
 - b) **The Great Cross, of 1st Degree Hellenic Church for his contribution to education, Public Administration and to the Church social work, 2010.**

10. LIST OF INVITED LECTURES AND SEMINARS ABROAD

(The most important and recent)

1. University College London - University of London, UK.
2. British Meteorological Office, Bracknell, UK.
3. National Oceanic and Atmospheric Administration - Wave Propagation Laboratory, Boulder, Colorado, USA.
4. Royal Meteorological Institute, Cabauw, Holland.
5. Uppsala University, Meteorological Institute, Sweden.
6. Greek Institutions.

7. Belford Institute of Oceanography, Halifax, Canada.
8. National Physical Laboratory, New Delhi, India.
9. International Center for Theoretical Physics of Trieste Italy.
10. Polytechnic School of Torino, Italy.
11. Fraunhofer Institute Society, FhG/IFU, Germany.
12. Institute of Electrical Eng., IEE, UK.
13. Trier University, Germany
14. Air Infiltration and Ventilation Centre, University of Warwick Science Park, Coventry, Great Britain.
15. Harvard School of Public Health.

Note: Introductory talks and presentations in Conferences and other Meetings are not mentioned.

11. REFEREE OF -SCIENTIFIC JOURNALS- FUNDING ORGANIZATIONS AND ORGANIZER OF INTERNATIONAL CONFERENCES

1. External Examiner of Greek and Foreign Universities, (e.g. NTUA, AUTH, Erasmus, UPS etc).
2. Referee of Greek and Foreign Organizations, (GCRT, SRC).
3. Referee of International Journals (e.g. Technica Chronica, Atmospheric Environment, Boundary Layer Meteorology, International Journal of Remote Sensing, Climate Research, etc)
4. International Conference and Workshops:
 - Co-organizer of the International Conference, Euromech 173, Delphi 1983.
 - Co-organizer of the International Conference on Wind Energy Applications, Delphi 1985.
 - Organizer of the International Symposium on Acoustic Remote Sensing and Associated Techniques, ISARS'92, Athens, 1992.
 - Organizer of the International Symposium on Solar Energy and Energy Saving in Buildings in the Urban Environment, Athens, 1994.
 - Organizer of the International Symposium on Training and Education in the Energy Field, Athens, 1995.
 - Organizer of the International Symposium on Passive Cooling of Buildings, Athens, 1995.
 - Organizer of the International Symposium on Optimisation of day lighting in the retrofitting process of Commercial Buildings, Athens, 1996.
 - Organizer of the 3ed Hellenic Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 1996.

- Organizer of the 4th European Earth Observation Systems, (EEOS) Workshop, Santorini, 2-3/10/1997.
- Chairman of the 5th International Conference on Environmental Science and Technology, Lesbos, 1997.
- Chairman of the National Conference on Energy and the Environment in the Islandous Aegean Region, Andros, 2-3/11/2001.
- Co-Organizer of the International Conference of Fire Prevention and Mitigation, Athens, 2008.
- Co-Organizer PALENC 2010, Rhodes Island, Greece, 29/9-1/10/2010.
- Scientific Committee of the International Conference «Energy Policy and Climate Change», Athens, Greece 7 October 2010.
- Chairman of the Scientific Committee of the International Conference on Meteorology- Climatology and Atmospheric Physics, June 2012, Athens, Greece.
- Chairman of the Scientific Committee of the International Conference on Meteorology- Climatology and Atmospheric Physics, June 2014, Chania, Greece.
- Member of the Scientific Committee of CEST August 2017, Rhodes Island, Greece.
- Organizing Committee Member of the Biofuels Expo 2025: Redefining Sustainability Through Biofuels and Bioenergy, Vienna September 25 – 26, 2025.
- Organizer of several Continuing Education Programs.

12. MAJOR ACHIEVEMENTS

1. Re-organization of the Laboratory of Meteorology of the NKUA.

The Laboratory was re-organized and expanded to cover a wide range of scientific areas.

Today the Laboratory of Meteorology incorporates the following research units:

- Upper Air Laboratory
- Satellite remote sensing Laboratory
- Instrumentation development Laboratory
- Atmospheric Boundary Layer Laboratory
- Computer Laboratory for Meteorological Applications
- Energy Efficiency Education Center

- Environmental and Energy Application Open Laboratory
- Physical Oceanography Laboratory

The above-mentioned development was accompanied by an increase of the academic personnel and the incoming research funds.

2. Creation of the Energy Efficiency Education Center.

The Center was founded in 1992 with the support of D.G. XVII for Energy of the European Union.

The primary objective of the Center is the coordination of specialized training and continues education on Energy Efficiency.

3. Organization of the Athens Focal Point for Training the Master's degree students of the European Association for the Environmental Management Education.

The Focal Point commenced its operation in 1992 and train graduate students from European Union countries and from countries outside Europe.

4. Upgrading of the Institute of Meteorology and Atmospheric Physics, (NOA).

(Renamed to Institute for Environmental Research and Sustainable Development)

The new structure of operation of the Institute incorporates four new Laboratories with new technological infrastructure. This organization led to the change of the name of the Institute. The new laboratories are:

- Solar Radiation Laboratory
- Air Pollution Laboratory
- Atmospheric Chemistry Laboratory
- Meteorological Instrumentation Laboratory

The above-mentioned development was accompanied by an increase of the academic personnel and the incoming research funds.

5. Upgrading the University Hospital: Euginidion

The upgrading consists of:

- Modification of the operating legislation
- Opening of new university hospital clinics
- Personnel training
- Reduction of the operating cost
- Modification of the building infrastructure

The hospital announced profits, (after 12 years of losses), one year after the above-mentioned actions

6. Founding Member of the European Union Environment Agency in Copenhagen

Served the Agency as vice chairman of the scientific committee.

7. Upgrading the University of Athens Economic and Special Research Funds Offices.

- Introduction of new operating system
- Accreditation in accordance with ISSO 9001:2000.
- Upgrading the logistic system

8. Official Validation of the Laboratory of Indoor and Outdoor Air Pollution Monitoring.

This is the only ISSO certified laboratory of this type in the Country with the authority to provide services to other private and public entities.

SUMMARY

PUBLICATIONS

1. Publications in International Scientific Journals	202
2. Publications in Greek Scientific Journals	14
3. Books – Theses	42
4. International & National Conferences/Workshops	281
5. Technical Reports and Studies, more than	150
6. Publications in books	22
7. Total Published work	711
8. Citations over	11,000
9. Major Projects Externally Founded over	100

PROFESSIONAL EXPERIENCE

1. Director of the Laboratory of Meteorology
2. Vice Chairman of the Oceanographic Institute of Greece
3. Director of the Applied Physics Section.
4. Teaching currently in European Universities, (Athens, Torino, Trier)
5. Vice Chairman of Hellenic Meteorological Society
6. Scientific Consultant, Adviser, (National, European, International)
7. Director of the Institute of Meteorology and Physics of the Atmospheric Environment, National Observatory of Athens
8. Director General of the Greek Centre for Energy Education
9. Member of the Governing Board of the Hellenic Space Committee
10. Vice Chairman of the Scientific Committee of the European Environment Agency
11. Chairman of the Scientific Committee of the National Center for Ocean Research, (NCMR)
12. Member of the Governing Board of the Institute for Solar Techniques.
13. Member of the Board of Governors of the Joint Research Center of the EU
14. President and Managing Director of Euginidion Hospital

15. Vice Rector of the National and Kapodistrian University of Athens
16. Vice Chairman of the Onassion Cardiological Hospital
17. Rector of the National and Kapodistrian University of Athens

FIELDS of SCIENTIFIC DIRECTIONS

1. Physics of the Built Environment – Air Pollution
2. Environmental Management
3. Design of In-Situ and Remote Sensing Atmospheric Physics Instrumentation
4. Physics of the Lower Atmosphere
5. Renewable Energy Sources – Energy Save
6. Applied Climatology - Global Change

FIELDS of GENERAL PROFESSIONAL EXPERIENCE

1. Management of Research and Educational Programs
2. Management of Health Services

DECORATIONS

Ph.D., D.Sc., Fellow of the Institute of Electrical Eng., (FIEE, UK.), Chartered Eng. (UK.), Fellow of the Royal Meteorological Society, (FRMS, UK.), Member of the Technical Chamber of Greece, (GR.), Chartered Eng. (GR.), Fellow of the Hellenic Meteorological Society, (GR.), Member of the European Environmental Research Organization (EERO), Foreign Member of the Georgian Academy of Sciences, Foreign Member of the Russian Academy of Natural Sciences, Member of the Euro Mediterranean Academy of Arts and Sciences –Head of the Greek Chapter.

Lord Notarius of the Alexandrian Patriarch. **Award** of the Saint George **Great Cross** of the Hellenic Church. Decorations from National and International Organizations for his contribution and Management of Large scale programs.

Lord Notarius of the Alexandrian Patriarch. **Award** of the Saint George **Great Cross** of the Hellenic Church. Decorations from National and International Organizations for his contribution and Management of Large scale programs.

Second Part

1. PUBLICATIONS

A. INTERNATIONAL SCIENTIFIC JOURNALS

- 1.** Asimakopoulos D.N., Cole R.S., Caughey S.J., Moss S.H. and Readings C.J., 1975: "A comparison between acoustic radar returns and the direct measurement of the temperature structure of the atmosphere", Atmospheric Environment, 9, 775-776.
- 2.** Asimakopoulos D.N., Cole R.S., Caughey S.J. and Crease B.A., 1976: "A quantitative comparison between acoustic sounder returns and the direct measurement of atmospheric temperature fluctuations", Boundary Layer Meteorology, 10, 137-147.
- 3.** Caughey S.J., Crease B.A., Asimakopoulos D.N. and Cole R.S., 1976: "A comparison of acoustic Doppler vertical velocities with direct measurements in the atmospheric boundary layer", Nature, 262, 274-276.
- 4.** Caughey S.J., Crease B.A., Asimakopoulos D.N. and Cole R.S., 1976: "Measurement of the rate of dissipation of turbulent kinetic energy in convective conditions by acoustic sounding", abstract published by Journal of the Acoustical Society of America, 60, Sup 1, S31.
- 5.** Asimakopoulos D.N. and Cole R.S., 1977: "An Acoustic sounder for the remote probing of the lower atmosphere", Journal of the Inst. of Physics. E. Scientific Instruments, 10, 47-50.
- 6.** Caughey S.J., Crease B.A., Asimakopoulos D.N. and Cole R.S., 1978: "Quantitative bistatic acoustic sounding of the atmospheric boundary layer", - Quarterly Journal of the Royal Meteorological Society, 104, 147-161.
- 7.** Asimakopoulos D.N., Cole R.S., Caughey S.J. and Crease B.A., 1978: "A comparison of acoustic Doppler vertical velocity power spectra with direct measurements", Atmospheric Environment, 12, 1951-1956.
- 8.** Mouldsley T.J., Asimakopoulos D.N., Cole R.S. and Crease B.A., 1978: "Design of arrays for Acoustic Radar antennae", Journal of the Inst. of Physics-Scientific Instruments, 11, 657-662.

9. Mouldsley T.J., Cole R.S., Asimakopoulos D.N. and Caughey S.J., 1979: "Simultaneous horizontal and vertical acoustic sounding of the atmospheric boundary layer", Boundary Layer Meteorology, 17, 223-230.
10. Asimakopoulos D.N., Deligiorgi D.G. and Lalas D.P., 1980: "Acoustic sounder observations of the atmospheric boundary layer from the top of a steep mountain", Journal of Applied Meteorology, 19, 109-112.
11. Cole R.S., Asimakopoulos D.N., Mouldsley T.J., Caughey S.J. and Crease B.A., 1980: "Some aspects of the construction and use of atmospheric acoustic Sounders", Journal of the Radio and Electronic Eng., 50, 585-597.
12. Caughey S.J., Crease B.A., Cole R.S., Asimakopoulos D.N. and Mouldsley T.J., 1980: "Quantitative interpretation of acoustic echoes from the planetary boundary layer", Journal of the Radio and Electronic Eng., 50, 598-610.
13. Asimakopoulos D.N., Lalas D.P., Helmis C. and Caroubalos C., 1980: "An atmospheric turbulence Probe", IEEE-Geoscience and Remote Sensing, GE-18, 347-353.
14. Mouldsley T.J., Asimakopoulos D.N., Cole R.S., Caughey S.J. and Crease B.A., 1981: "Measurement of boundary layer structure parameter profiles by acoustic sounding and Comparison with direct measurements", Quarterly Journal of the Royal Meteorological Society, 107, 203-230.
15. Mouldsley T.J., Asimakopoulos D.N., Cole R.S., Crease B.A., and Caughey S.J., 1981: "Acoustic Doppler with velocity measurements using a simple phaselock loop", Journal of the Institute of Physics - E, Scientific Instruments, 14, 621-628.
16. Mouldsley T.J., Asimakopoulos D.N., Cole R.S., Caughey S.J., 1982: "Measurement of humidity using multifrequency atmospheric acoustic sounding", Atmospheric Environment, 16, 1501-1506.
17. Mouldsley T.J., Asimakopoulos D.N., Cole R.S., Caughey S.J. and Crease B.A., 1982: "Temperature structure parameter measurements using differential temperature sensors", Boundary Layer Meteorol., 23, 307-315.

- 18.** Helmis C.G., Asimakopoulos D.N., Caroubalos C.A., Cole R.S., Medeiros Filho E.C. and Jayasuriya D.A.R., 1983: "A Quantitative comparison of the refractive index structure parameter determined from refractivity measurements and amplitude scintillation measurements at 36 GHz", IEEE - Geoscience and Remote Sensing, GE-21, 221-224.
- 19.** Helmis C.G., Asimakopoulos D.N., Lalas D.P. and Mousley T.J., 1983: "On the local isotropy of the Temperature field in an urban area" Journal of Climate and Applied Meteorology, 22, 1594-1601.
- 20.** Lalas D.P., Asimakopoulos D.N., Deligiorgi D.G. and Helmis C.G., 1983: "Sea breeze circulation and photochemical pollution in Athens, Greece", Atmospheric Environment, 17, 1621-1631.
- 21.** Asimakopoulos D.N., Mousley T.J., Helmis C.G., Lalas D.P. and Gaynor J. 1983: "Quantitative low level Acoustic Sounding and comparison with direct measurements", Boundary Layer Meteorol., 27, 1-26.
- 22.** Lalas D.P., Asimakopoulos D.N., Deligiorgi D.G. and Helmis C.G., 1984: "Sea breeze circulation and photochemical Pollution in Athens, Greece", Atmospheric Environment, Reply, 18, 1037.
- 23.** Hunt J.C.R., Lalas D.P., Asimakopoulos D.N., 1984: "Airflow and dispersion in rough terrain: a report on Euromech 173", Journal of fluid Mechanics, 142, 201-216.
- 24.** Helmis C.G., Asimakopoulos D.N. and Cole R.S., 1985: "A low-level atmospheric vertical velocity comparison between a high resolution acoustic sounder and a turbulence probe", IEEE-Geoscience and Remote Sensing, GE-23, 164-170.
- 25.** Mousley T.J., Asimakopoulos D.N., Helmis C.G., Lalas D.P. and Gaynor J., 1985: "A quantitative comparison of horizontal and vertical acoustic sounding with in-situ measurements", Boundary Layer Meteorol., 33, 85-99.
- 26.** Asimakopoulos D.N., Helmis C.G., and Stephanou G.J., 1987: "Atmospheric acoustic mini-Sounder", Journal of Atmospheric and Oceanic Technology, 4, 345-347.

27. Helmis C.G., Asimakopoulos D.N., Deligiorgi D.G. and Lalas D.P., 1987: "Observations of the sea-breeze front structure near the shoreline", Boundary Layer Meteorol., 38, 395-410.
28. Lalas D.P., Tombrou-Tsella M., Petrakis M., Asimakopoulos D.N. and Helmis C.G., 1987: "An experimental study of the vertical distribution of ozone over Athens", Atmospheric Environment, 12, 2681-2693.
29. Medeiros F.C., Jayasuriya D.A.R., Cole R.S., Helmis C.G. and Asimakopoulos D.N., 1988: "Correlated humidity and temperature measurements in the urban atmospheric boundary layer", Journal of Meteorology and Atmospheric Physics, 39, 197-202.
30. Hogstrom U., Asimakopoulos D.N., Kambezidis H., Helmis C.G. and Smedman A., 1988: "A field study of the wake behind a 2 MW wind turbine", Atmospheric Environment, 22, 803-820.
31. Kouroupetroglou G.T., Caroubalos C.A., Asimakopoulos D.N. and Vakasis N.T., 1988: "Autonomous multichannel data - acquisition system", Review of Scientific Instruments, 59, 179-181.
32. Deligiorgi D.G., Helmis C.G., Asimakopoulos D.N. and Lalas D.P., 1989: "Quantitative acoustic sounding from the top of a steep mountain", International Journal of Remote Sensing, 9, 211-226.
33. Tselepidaki I.G., Asimakopoulos D.N. and Melitsiotis D.A., 1990: "A cold spell during March 1987 over Greece", Weather, 45, 42-47.
34. Helmis C.G., Asimakopoulos D.N., Deligiorgi D.G. and Petrakis M., 1990: "Some observations on the destruction of the morning temperature inversions in a large and broad mountain valley", Journal of Applied Meteorology, 29, 394-398.
35. Kambezidis H.D., Asimakopoulos D.N. and Helmis C.G., 1990: "Wake measurements behind a horizontal-axis 50 kw wind turbine" Journal of Solar and Wind Technology, 7, 177-184.
36. Tselepidaki I.G., Asimakopoulos D.N. and Melitsiotis D.A., 1991: "Frequency analysis of the high SO₂ and smoke concentration episodes over Athens", Journal of Atmospheric Research, 26, 55-74.

- 37.** Varotsos C., and Asimakopoulos D.N., 1991: "On the periodicities of the surface ozone and temperature in Athens during the period 1901-1940", Mem. Soc. Geographica Italiana, XLVI, 555-562.
- 38.** Asimakopoulos D.N., 1991: Application of sodar and lidar techniques in air pollution monitoring", Atmospheric Environment, Urban Atmosphere, 9, 2057-2060.
- 39.** Katsambas A., Antoniou Ch., Stratigos J., Arvanitis J., Varotsos C., Cartalis C. and Asimakopoulos D.N., 1991: "A simple algorithm to estimate the ultraviolet solar radiation at the Earth's surface", Earth, Moon and Planets, 53, 191-204.
- 40.** Varotsos C.A., Dris N.A. and Asimakopoulos D.N., 1992: "Terannual wave in the ozone and Temperature in the strato-mesosphere as deduced from satellite measurements", Journal of Climate, 5/2, 181-185.
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E. TECHNICAL REPORTS

More than 150 analytic Technical Reports to Research Project, Studies and other assignments were prepared by our scientific group. These were delivered to collaborating Organizations, Universities, the European Union Commission, Local Authorities, Ministries and other public and Private Entities. More details of these Organizations can be found in Section A 6 and B 1 of the present document.

F. PUBLICATIONS IN BOOKS

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12. Asimakopoulos D.N., 1995: "The atmospheric Acoustic Sounders" Modelling of Atmospheric Flow Fields, Published by World Scientific, Edited by Lalas D.P. and Ratto C.F. p. 185-210.
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