

CURRICULUM VITAE

VASILIKI D. ASSIMAKOPOULOS

SENIOR RESEARCHER

**INSTITUTE FOR ENVIRONMENTAL RESEARCH AND SUSTAINABLE
DEVELOPMENT**

NATIONAL OBSERVATORY OF ATHENS

February 2017

1. Personal Information

Name : Assimakopoulos D. Vasiliki

Family Status : Married with two children

Place and Date of Birth : London, September 24th 1975

Contact Address : National Observatory of Athens, Institute for Environmental Research and Sustainable Development, I. Metaxa and V. Pavlou str, Penteli, 152 36 Athens-Greece

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Current Professional Status : Civil and Environmental Engineer,
Senior Researcher, IERSD/NOA

2. Education

2002 : Diploma of Imperial College of Science, Technology and Medicine, University of London on “Urban Air Quality and Environmental Modelling”.

2001 : Doctor of Philosophy, Department of Environmental Science and Technology, Imperial College of Science, Technology and Medicine, University of London. Title: “Numerical Modelling of Dispersion of Atmospheric Pollution in and above Urban Canopies”.

1997 : Master of Engineering (MEng) in Civil and Environmental Engineering, Civil Engineering Department, Imperial College of Science, Technology and Medicine, University of London. Title of Thesis: “Investigating photochemical pollutants’ correlations of the Athens air quality monitoring network”

1993 : Graduation from the American College of Agia Paraskevi Lyceum (Pierce College) with Distinction
GCE A' Level in Physics, Mathematics and Further Mathematics at Moraitis School

Foreign Languages : English: Impeccable (U.K. University Graduate)
French: Very Good (Certificat)

3. Professional Experience

February 2012 – present : Senior Researcher, Institute for Environmental Research and Sustainable Development, National Observatory of Athens

March 2008 – January 2012 : Associate Researcher, Institute for Environmental Research and Sustainable Development, National Observatory of Athens

January 2004 – February 2008 : Junior Researcher, Institute for Environmental Research and Sustainable Development, National Observatory of Athens

June 2001-January 2004 : Research Staff, Division of Environmental Physics and Meteorology, Faculty of Physics, National and Kapodistrian University of Athens

October 1998 – June 2001 : Part-time research associate, Laboratory of Heat Transfer and Environmental Engineering, Department of Mechanical Engineering, Aristotle University of Thessaloniki

October 1997 – June 1998 : Part-time research associate, Division of Environmental Physics and Meteorology, Faculty of Physics, National and Kapodistrian University of Athens

4. Research Activity

4.1 Research and Professional interests

My current research and professional interests are focused on the urban environment and more specifically on the subjects of:

- 1) Indoor Air Quality (Effects of Climate Change on the Indoor Environment and health, as well as indoor – outdoor interactions, Indoor Monitoring, Modelling with the aid of CFD and empirical models),
- 2) Photochemical and Particulate Pollution studies over Urban Areas (Development of the new and Flexible Greece and Athens Emission Inventory – FEI GREGAA, Chemical Transport Modelling with the WRF/CAMx system),
- 3) Personal Exposure studies on air pollution - Design and implementation of experiments using shoot and measure, continuous measurements and personal monitoring techniques.
- 4) Urban boundary layer studies - Design and Implementation of scaled experiments in wind tunnels with modern instrumentation (Triple hot wire sensor). Field studies of air flow characteristics and air quality using state of the art instrumentation.

4.2 Summary of scientific achievements

Publications in peer reviewed journals	:	40
International peer reviewed conferences	:	46
Book contributions	:	2
Citations	:	721
h-index	:	13

4.3 Participation in research projects

Participation in research projects while carrying out my PhD, Imperial College

1. **1999 - 2001** : *Application of the mathematical modelling system MEMO-MARS/MUSE for the simulation of dispersion of particulates in the Greater Thessaloniki Area.*

Coordinator: AUTH

Funding: General Secretariat of Research and Technology

Position: Main Researcher

- 2. 1999 - 2001** : *Coupling of microscale to mesoscale models to improve source receptor relationships in urban areas.*

Coordinator: AUTH

Collaborations: Imperial College of Science, Technology and Medicine, London-UK

Funding: British Council of Greece

Position: Main researcher

Participation in research projects during my employment as Research Staff, NKUA

- 3. 2001 - 2003** : *URBAN-AEROSOL: Indoor/Outdoor Particulate Matter Chemical Characteristics and source-to-inhaled dose relationships.*

Coordinator: NCSR-Demokritos

Collaborations: NILU, University of Essex, JRC-Ispra, National and Kapodistrian University of Athens (NKUA)

Funding: European Union-DG 12

Position: Researcher

- 4. 2001 - 2002** : *Air quality data analysis-Development of a high quality data base-Compilation of relative reports*

Coordinator: NKUA

Funding : Environmental Services - Athens International Airport

Position: Researcher

- 5. 2001 - 2003** : *Study of the indoor air quality of closed stadiums in the Greater Athens Area.*

Funding: General Secretariat of Sports, Ministry of Culture

Coordinator: NKUA

Collaborations: NOA

Position: Researcher

- 6. 2002** : *Study of the indoor air quality of the ACTC building complex in the Hellinicon area*
Coordinator: NKUA
Funding: Civil Aviation Authority, Department of Transportation.
Position: Researcher
- 7. 2002 – 2005** : *ICAROS NET - Integrated Computational Assessment of urban air quality via Remote Observation Systems NETWORK*
Coordinator: JRC
Collaborations: NKUA, University of AEGEAN-(UoA), IFU – Germany, McMaster University-(MAC), NOA, Space Imaging Europe(SIE), KFKI, NIEH, Telespazio S.p.A.
Funding: European Union – FP5-ENV
Position: Researcher
- 8. 2003** : *Determination of air pollution sources and their repeal in offices of the ACTC building of the Athens International Airport*
Coordinator: NKUA
Funding: Civil Aviation Authority, Department of Transportation.
Position: Researcher
- 9. 2003 - 2005** : *Advanced Techniques for Environmental Monitoring and Forecasting (PROTEPE)*
Coordinator: AUTH
Collaborations: Univ. of Thrace, NTUA, NOA, NKUA
Funding: General Secretariat of Research and Technology
Position: Researcher
- 10. 2002 - 2005** : *Indoor air quality in offices – PENED2001*
Coordinator: NKUA
Collaborations: 4M Advanced software systems Ltd
Funding: Ministry of Education, General Secretariat of Research and

Technology

Position: Researcher

11. 2003 : *Study of the mixing height and air quality in the Greater Athens Area*

Coordinator: NKUA

Funding: Special Accounts, University of Athens

Position: Main Researcher

12. 2003 : *Air quality monitoring at the Arrivals level of the Athens International Airport*

Coordinator: NKUA

Collaborations: Terra Nova Ltd.

Funding: Environmental Services - AIA

Position: Researcher

Participation in research projects during my employment as a Researcher, IERSD/NOA

13. 2004 - 2006 : Indoor air quality at the clinics and offices of the Dentistry School of the University of Athens

Coordinator: NKUA

Funding: Ministry of Education, European Social Fund, National Resources - (EPEAEK II) PYTHAGORAS I

Position: Associated Researcher

14. 2005 - 2011 : ECATS Network of Excellence - Environmental Compatible Air Transport System

Coordinator: DLR

Collaborations: Network of Excellence (NLR, FOI, ONERA, FZK, BUW, MMU, USFD, U Oslo, UKA EBI, NTUA, UP, NKUA, NTUA)

Funding: EC, Research Directorate General

Position: Associated Researcher

15. 2005 - 2007 : Indoor air quality in areas of different use (offices, houses, hospital surgeries)

Coordinator: NKUA

Funding: Ministry of Education (PYTHAGORAS II – EPEAEK-II program)

Position: Associated Researcher

- 16. 2005 - 2009** : Numerical and experimental investigation of the flow field characteristics and dispersion of pollutants in typical urban street canyons – PENED2003
- Coordinator: NOA
- Collaborations: NTUA, NKUA
- Funding: General Secretariat for Research and Technology, Ministry of Education
- Position: **Coordinator (Member of the progress review panels of 2 PhDs)**
- NOA Budget: 137k€**
- 17. 2005 - 2009** : Study of particulate matter concentrations in the greater Athens area, by means of numerical models – PENED2003
- Coordinator: NKUA
- Collaborations: UP
- Funding: General Secretariat for Research and Technology, Ministry of Education
- Position: Experienced Researcher (Member of the PhD progress review panel)
- 18. 2005 - 2009** : Experimental and numerical study of the atmospheric boundary layer above the Spata plain – PENED2003
- Coordinator: NKUA
- Collaborations: Athens International Airport
- Funding: General Secretariat for Research and Technology, Ministry of Education
- Position: Experienced Researcher (Member of the PhD progress review

panel)

- 19. 2010 - 2012** : SINPHONIE - Schools Indoor Pollution and Health: Observatory Network in Europe. Air Quality in Schools and Childcare Settings - A 2 year long pilot project
Coordinator: REC, IDMEC – FEUP, NIEH, JRC - IHCP
Collaborations: IPH (Albania), IEHV (Austria), PCSA (Austria), FITR(Belgium), IPH (Bosnia and Herzegovina), CHRA (Bulgaria), LGH(Cyprus), SGL (Cyprus), NPFI (Czech Republic), HB (Estonia), NIHW (Finland), Paris 06 (France), CSTB (France), Umweltbundesamt (Germany), UWM (Greece), NKUA (Greece), USM (Italy), USS (Italy), BMI (Italy), FSM (Italy), KUT (Lithuania), UM (Malta), OASR (Netherlands), PHS (Netherlands), NIPHE(Netherlands), NIHR (Norway), IOMEH (Poland), CESAM (Portugal), UAVR (Portugal), BBU (Romania), IV (Serbia), MC (Serbia), PHA (Slovak Republic), UU (Sweden), ULC (United Kingdom), REC offices
Funding: Health and Consumer Protection Directorate General
Position: Associated Researcher
- 20. 2010 - 2014** : Numerical study of the particulate and photochemical pollution characteristics above the Greater Athens Area after 2004
Coordinator: NKUA
Funding: Ministry of Education, Heracleitos II Program: Promoting research potential through postgraduate research programs
Position: Associated Researcher, Member of the progress review panel (main supervisor)
- 21. 2011 - 2013** : PROMITHEAS-4: Knowledge transfer and research needs for preparing mitigation/adaptation policy portfolios
Coordinator: NKUA - KEPA
Collaborations: NOA-Greece, HIS-Austria, TUBITAK MAM-Turkey, SRIE – ESC-Armenia, UB-FMG-Serbia, IPE ASM-Moldova, AUT-LHTEE-Greece,

FA-Russia, ISPE-Romania, PUT-Albania, GPOGC-Azerbaijan, BSREC-Bulgaria, ESEMI-Ukraine, KAZHIMINVEST-Kazakhstan, TUT-Estonia
Funding: European Commission, Directorate General for Research and Innovation

Position: Researcher member of NOA team

NOA Budget: 60k€

22. 2012 - 2015 : ERACOBUILD - The Square Mile Retrofit Project

Coordinator: Parity Projects Limited (UK)

Funding: EU - ERANET

Collaborations: DeMontfort University - Leicester- UK, Frederick Research Centre - Cyprus, NKUA - The Institute of Accelerating Systems and Applications (IASA), Greece

Position: Subcontractor

NOA Budget: 20k€

2013-2015 : THESPIA: Development of synergistic and integrated methodologies and tools for the observation, managements and forecast of environmental parameters and pressures

Funding: GSRT, KRIPIS - National Strategic Reference Framework (NSRF 2007 – 2013)

Position: WP co-leader, Researcher

NOA/IERSD Budget: ~1M€

4.4. Member of Scientific Organisations

- Civil and Environmental Engineer, member of the Technical Chamber of Greece.
- City and Guilds Associateship, UK

4.5 Reviewer for International Journals

- Atmospheric Environment
- Solar Energy
- Theoretical and Applied Climatology
- Journal of Wind Engineering & Industrial Aerodynamics

- Energy and Buildings
- AAQR
- Environment International
- Chemosphere
- Science of the Total Environment

5. Teaching Activity

- 2002 – 2004 :** Responsible for teaching and correcting papers of the first cycle of General Physics Laboratory Experiments on Mechanics, Physics Department
- Responsible for teaching and correcting papers of the second cycle of General Physics Laboratory Experiments on Geometrical Optics, Waves, Wave Optics and Sound Waves, (teaching and correcting papers), Faculty of Physics
- 2004 – 2011 :** Invited speaker on special subjects within the frame of the MSc course “Environmental Pollution”, Science Department, Agricultural University of Athens.
- 2004 – present :** Supervision of undergraduate and post graduate theses of students from the Department of Applied Physics, University of Athens and the Science Department, Agricultural University of Athens.
- 2005 – present:** **Member of the PhD Progress Review Panels of:**
1. Athanassopoulou Eleni “Study of particulate matter concentrations in the greater Athens area, by means of numerical models», NKUA – Completed (DOI 10.12681/eadd/24295)
 2. Nezis Aristides “Experimental study of the wind field and pollutant dispersion in an urban street canyon in the city of Athens with the use of a wind tunnel for different meteorological conditions and pollutant emissions”, NKUA – Completed (DOI 10.12681/eadd/18754)
 3. Angelidis Dionysios “Numerical Study of Wind Flow Characteristics and Pollutant Dispersion in a Typical Urban Street Canyon of Athens” – NTUA – Completed (<http://hdl.handle.net/10442/hedi/18449>)

4. Sgouros Georgios “Experimental and theoretical study of the structure of the atmospheric boundary layer in Spata plain” - NKUA – Completed (DOI 10.12681/eadd/24268)
5. Faneli Kyriaki-Maria “Numerical study of the particulate and photochemical pollution characteristics above the Greater Athens Area after 2004”, NKUA – Completed (<https://www.didaktorika.gr/eadd/handle/10442/35871>)
6. Nikolaos Barmpareos “Study of indoor air pollution in urban areas at the presence of vulnerable population groups” NKUA , 2015 - Ongoing

6. Publications

6.1 Theses

- 1 **Assimakopoulos, V.** 1997: *“Investigating photochemical pollutants’ correlations of the Athens air quality monitoring network”*. M.Eng Thesis, Imperial College of Science, Technology and Medicine, London, U.K. pp. 68.
- 2 **Assimakopoulos, V.** 2001: *“Numerical modelling of dispersion of atmospheric pollution in and above urban canopies”*. Ph.D. Thesis, Imperial College of Science, Technology and Medicine, London, U.K. pp. 206.

6.2 International Peer Reviewed Journals

1. P.Kassomenos, H.A.Flocas, A.N.Skouloudis, S.Lykoudis, **V.Assimakopoulos** and M.Petrakis, (1998), “Relationship of air quality indicators and synoptic scale circulation at 850hPa over Athens during 1983-1995”, *Environmental Technology*, Vol.19, 1, pp. 13-24.
2. S.Koloutsou-Vakakis, C.G.Helmis, **V.Assimakopoulos** and H.Gusten, (2001), “Middle and lower troposphere aerosol characteristics and ozone concentrations over northwestern Greece during STAAARTE 1997”, *Atmospheric Environment*, Vol 35, 8, pp. 1517-1526.
3. Helmis C.G., Moussiopoulos N., Flocas H.A., Sahm P., **Assimakopoulos V.D.**, Naneris C. and Maheras P., (2003), “Estimation of transboundary air pollution on the basis of synoptic scale weather types”, *International Journal of Climatology*, Vol. 23, 4, pp. 405-416.
4. **Assimakopoulos V.D.**, ApSimon H.M. and Moussiopoulos N. (2003), “A Numerical Study of Atmospheric Pollutant Dispersion in Different Two-Dimensional Street Canyon Configurations”, *Atmospheric Environment*, Vol. 37, 29, pp. 4037-4049.
5. **Assimakopoulos V.D.** and Helmis C.G. (2003), “Sodar mixing height estimates and air pollution characteristics over a big city”, *Environmental Technology*, Vol. 24, 10, pp. 1191-1200.
6. Flocas H.A., **Assimakopoulos V.D.**, Helmis C.G and Gusten H. (2003), “VOC and O3 distributions over a densely populated area”, *Journal of Applied Meteorology*, Vol. 42, 12, pp. 1799-1810.

7. **Assimakopoulos V.D.** and Helmis C.G. (2004), "On the study of a sick building-The case of the Athens Air Traffic Control Tower", *Journal of Energy and Buildings*, Vol. 36, 1, pp. 15-22.
8. Moussiopoulos N., Helmis C.G., Flocas H.A., Louka P., **Assimakopoulos V.D.**, Naneris C., and Sahm P., (2004), "A modelling method for estimating transboundary air pollution in south-eastern Europe", *Journal of Environmental Modelling and Software*, Vol. 19, 6, pp. 549-558.
9. Halios C.H., **Assimakopoulos V.D.**, Helmis C.G. and Flocas H.A. (2005), "Investigating Cigarette-Smoke Indoor Pollution in a Controlled Environment", *Science of the Total Environment*, Vol. 337, 1-3, pp. 183-190.
10. Protonotariou, A., Bossioli, E., Athanasopoulou, E., Dandou, A., Tombrou, M., Flocas, H.A., Helmis, C.G., **Assimakopoulos, V.D.**, "Evaluation of CALPUFF modelling system performance: An application over the Greater Athens Area, Greece", (2005), *International Journal of Environment and Pollution*, 24 (1-4), pp. 22-35.
11. **Assimakopoulos V.D.**, Georgakis C. and Santamouris M. (2006), "Experimental validation of a computational fluid dynamics code to predict the wind speed in street canyons for passive cooling purposes", *Solar Energy*, Vol. 80, 4, pp. 423-434.
12. Helena A. Flocas, **Vasiliki D. Assimakopoulos** and Costas G. Helmis (2006), "An experimental study of aerosol distribution over a Mediterranean urban area", *Science of The Total Environment*, Vol. 367, 2-3, pp 872-887.
13. C.P. Jacovides, F.S. Tymvios, **V.D. Assimakopoulos** and N.A. Kaltsounides (2006), "Comparative study of various correlations in estimating hourly diffuse fraction of global solar radiation", *Renewable Energy*, Vol. 31, 15, pp. 2492-2504.
14. Stathopoulou, O.I., **Assimakopoulos, V.D.**, (2006), "Indoor environmental conditions of athletic halls: Experimental and numerical investigation", *WIT Transactions on Ecology and the Environment* 86, pp. 345-353.
15. C.P. Jacovides, **V.D. Assimakopoulos**, F.S. Tymvios, K. Theophilou and D.N. Asimakopoulos (2006), "Solar global UV (280–380 nm) radiation and its relationship with solar global radiation measured on the island of Cyprus", *Energy*, Vol. 31, 14, pp. 2728-2738.
16. Helmis, C.G., Flocas, H.A., Tzoutzas, J., **Assimakopoulos, V.D.**, Panis, V., Sgouros, G., Apostolatou, M. (2006), "Indoor TVOCs and CO₂ levels in selected clinics of the Athens Dentistry School, Greece", *WIT Transactions on Ecology and the Environment* 86, pp. 375-384.

17. C.P. Jacovides, F.S. Tymvios, **V.D. Assimakopoulos** and N.A. Kaltsounides (2007), "The dependence of global and diffuse PAR radiation components on sky conditions at Athens, Greece», Agricultural and Forest Meteorology, Volume 143, Issues 3-4, pp. 277-287.
18. Helmis, C.G., Tzoutzas, J., Flocas, H.A., Halios, C.H., Stathopoulou, O.I., **Assimakopoulos V.D.**, Panis, V., Apostolatou, M., Sgouros, G. and Adam, E. (2007), "Indoor Air Quality in a Dentistry Clinic", Science of The Total Environment, Volume 377, 2-3, pp. 349-365.
19. M.Tombrou, A.Dandou, C.Helmis, E.Akylas, G.Angelopoulos, H.Flocas, **V.Assimakopoulos** and N.Soulakellis (2007), "Model evaluation of the atmospheric boundary layer and mixed-layer evolution", Boundary-Layer Meteorology 124 (1), pp. 61-79.
20. I. Livada and **V.D. Assimakopoulos** (2007), "Spatial and temporal analysis of drought in Greece using the Standardised Precipitation Index (SPI)", Theoretical and Applied Climatology, 89 (3-4), pp. 143-153.
21. O.I. Stathopoulou, **V.D. Assimakopoulos**, H.A. Flocas and C.G. Helmis (2008), "An experimental study of air quality inside large athletic halls", Building and Environment, Volume 43, (5), Pages 834-848.
22. **Assimakopoulos, V.D.**, Stathopoulou, O.I., Halios, C., Helmis, C.G., "Numerical investigation of indoor environmental conditions in an office", (2008), International Journal of Ventilation, 6 (4), pp. 315-326.
23. **Assimakopoulos, V.D.**, Saraga, D., Helmis, C.G., Stathopoulou, O.I., Halios, C.H., (2008), "An experimental study of the indoor air quality in areas of different use", Global Nest Journal 10 (2), pp. 192-200.
24. M. Santamouris, A. Synnefa, M. Assimakopoulos, I. Livada, K. Pavlou, M. Papaglastra, N. Gaitani, D. Kolokotsa, **Assimakopoulos, V.** (2008), "Experimental investigation of the air flow and indoor carbon dioxide concentration in classrooms with intermittent natural ventilation", Energy and Buildings, vol. 40 (10), pp. 1833-1843.
25. O.I. Stathopoulou and **V.D. Assimakopoulos** (2008), "Numerical study of the indoor environmental conditions of a large athletic hall using the CFD code PHOENICS", Environmental Modeling and Assessment, vol. 13, (3), pp. 449-458.
26. Helmis, C.G., Tzoutzas, J., Flocas, H.A., Halios, C.H., **Assimakopoulos, V.D.**, Stathopoulou, O.I., Panis, V., Apostolatou, M., (2008), "Emissions of total volatile

organic compounds and indoor environment assessment in dental clinics in Athens, Greece”, International Dental Journal 58 (5), pp. 269-278.

27. C.G. Helmis, **V.D. Assimakopoulos**, H.A. Flocas, O.I. Stathopoulou, G Sgouros and M. Hatzaki, (2009), “Indoor air quality assessment in the Air Traffic Control Tower of the Athens International Airport, Greece”, Environmental Monitoring and Assessment, vol.148,(1-4), pp.47.
28. C.H.Halios, C.Helmis, K.Eleftheriadis, H.A.Flocas and **V.D.Assimakopoulos** (2009), “A comparative study of the main mechanisms controlling indoor air pollution in residential non-smoking microenvironments”, Water, Air, and Soil Pollution 204 (1-4), pp. 333-350.
29. Nistazakis, H.E., **Assimakopoulos, V.D.**, Tombras, G.S., (2011), “Performance estimation of free space optical links over negative exponential atmospheric turbulence channels”, Optik 122 (24), pp. 2191-2194.
30. Nezis A.A., Angelidis D.I., **Assimakopoulos V.D.** and Bergeles G.C., (2011), “On the wind flow patterns under neutral and unstable conditions in an urban area”, International Journal of Environment and Pollution 47 (1-4), pp. 257-267.
31. S. Pateraki, **V. D. Assimakopoulos**, A. Bougiatioti , G. Kouvarakis, N. Mihalopoulos, C. Vasilakos, (2012), “Carbonaceous and ionic compositional patterns of fine particles over an urban Mediterranean area”, Science of the Total Environment 424 , pp. 251-263.
32. Angelidis, D., **Assimakopoulos, V.**, Bergeles, G., (2012), “3D flow and pollutant dispersion simulation in organized cubic structures”, Notes on Numerical Fluid Mechanics and Multidisciplinary Design 117, pp. 503-513.
33. Fameli, K.M., **Assimakopoulos, V.D.**, Kotroni, V., Retalis, A., (2013), “Effect of the land use change characteristics on the air pollution patterns above the greater Athens area (GAA) after 2004”, Global Nest Journal 15 (2).
34. Pateraki, S., **Assimakopoulos, V.D.**, Maggos, T., Fameli, K.M., Kotroni, V., Vasilakos, C., (2013), “Particulate matter pollution over a Mediterranean urban area”, Science of the Total Environment 463-464, pp. 508-524.
35. K.M. Fameli and **V.D. Assimakopoulos**, (2015), “Development of a road transport emission inventory for Greece and the Greater Athens Area: Effects of important parameters”, Science of The Total Environment, 505, pp. 770–786.

36. Angelidis, D., **Assimakopoulos, V.D.**, Bergeles, G., (2015), "A Cartesian grid refinement method for simulating thermally stratified urban environments", Journal of Wind Engineering and Industrial Aerodynamics, 142, pp. 149-163.
37. Barmpareos N., **Assimakopoulos V.D.**, Assimakopoulos M.N. and Tsairidi E., (2016), "Particulate matter levels and comfort conditions in the trains and platforms of the Athens underground metro", AIMS Environmental Science, 2016, 3(2): 199-219. doi: 10.3934/environsci.2016.2.199
38. Faneli, K.-M., **Assimakopoulos, V.D.**, (2016), "The new open Flexible Emission Inventory for Greece and the Greater Athens Area (FEI-GREGAA): Account of pollutant sources and their importance from 2006 to 2012", Atmospheric Environment, 137, pp. 17-37.

6.3 International Conferences

1. **Assimakopoulos V.D.**, P.Kassomenos and I.Gee, (1997), "Studying statistical relations of air pollution levels from the stations of the monitoring network of Athens", 5th International Conference of Environmental Science and Technology, Molivos Lesvou, Greece-Sept. 1997, Vol.A, pp.209-217.
2. Moussiopoulos N., Theodoridis G. and **Assimakopoulos V.** (1999), "The influence of fast chemistry on the composition of NOx in the emission input to atmospheric dispersion models", Proceedings from the EUROTRAC-2 Symposium 98 (P.M. Borrell and P. Borrell, eds), WIT press, Computational Mechanics Publications, Southampton, Vol. 2, 777-781.
3. Theodoridis G., Moussiopoulos N., **Assimakopoulos V.**, Ehrhard J., Khatib I. and Kunz R. (1999), "Multiscale air pollution modelling in urban areas", Proceedings of the 3rd International Exhibition and Conference on Environmental Technology (HELECO 99), Thessaloniki, Greece, 3-6 June 1999, Vol. 1, pp.512-219.
4. **Assimakopoulos V.**, ApSimon H. and Moussiopoulos N. (1999), "Effects of street canyon geometry on the dispersion characteristics of pollutants within urban areas", (Abstract) Proceedings of the 3rd SATURN Workshop, Aveiro, Portugal, 23-24 August 1999, pp.3.
5. **Assimakopoulos V.**, Theodoridis G., Moussiopoulos N. and ApSimon H. (1999), "A numerical study of the influence of building geometry on the wind and dispersion characteristics in urban areas", Proceedings of the 6th International Conference of Environmental Science and Technology, Pythagoreion, Samos, Greece, 30/8/99-2/9/99 Vol. 1, 200-207.

6. **Assimakopoulos V.**, Ehrhard J., Moussiopoulos N., Theodoridis G. and ApSimon H.M. (1999), "Assessing the influence of near wall treatment on the wind and dispersion characteristics in urban areas", Proceedings of the 6th International Conference with Atmospheric Dispersion Modelling for Regulatory Purposes, CORIA, Rouen, France, 11-14 October 1999, 227-228.
7. **Assimakopoulos V.**, Sahm P., Apsimon H. and Moussiopoulos N., (2000) "Simulation of microscale flow and chemical reactions in urban areas", Proceedings from the EUROTRAC-2 Symposium 2000, (P.M.Midgley, M.Reuther and M.Williams Eds.), Springer-Verlag, Berlin, Hedelber, 2001, pp.1096-1100.
8. **Assimakopoulos V.**, ApSimon H., Sahm P. and Moussiopoulos N. (2000), "Effects of street canyon geometry on the dispersion characteristics in urban areas", Proceedings of the 16th IMACS World Congress, Lausanne, Switzerland, 21-25 August 2000, (in press).
9. Flocas H.A., **Assimakopoulos V.D.**, Helmis C.G., Koloutsou-Vakakis S. and Petrakis M., (2000), "The Greater Athens STAAARTE experiment", Proceedings of the 5th Hellenic Scientific Conference on Meteorology, Climatology and Atmospheric Physics, EMTE, Thessaloniki, Greece, 28-30 September 2000, pp. 121-127.
10. **Assimakopoulos V.**, Moussiopoulos N. and ApSimon H. (2001), "Three-dimensional numerical modelling of air flow in a finite array of square buildings", Proceedings of the 7th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Belgirate, Italy, 28-31 May 2001, in press.
11. **Assimakopoulos V.**, Sahm P., Apsimon H. and Moussiopoulos N. (2001), "Numerical modelling of dispersion of atmospheric pollution in and above urban canopies", Proceedings of the 7th Conference on Environmental Science and Technology, Ermoupolis, Syros island, 3-6 September 2001, Vol.A, pp.69-75.
12. Helmis C.G., Flocas H.A., Kalogiros J. and **Assimakopoulos V.D.**, (2001), "Background measurements related to transboundary air pollution over Greece", Proceedings from the 7th Conference on Environmental Science and Technology, Ermoupolis, Syros island, Greece-Sept. 2001, Vol.A, pp 325-332.
13. **Assimakopoulos V.D.**, Flocas H.A., Helmis C.G., Vakakis-Koloutsou S. and Petrakis M. (2001), "Airborne measurements of ozone over the Greater Athens Area", Proceedings from the 7th Conference on Environmental Science and Technology, Ermoupolis, Syros island, Greece-Sept. 2001, Vol.A, pp 61-68.
14. **Assimakopoulos V.**, Louka P., Moussiopoulos N., ApSimon H.M. and Sahm P. (2002), Evaluation of the microscale model MIMO with wind-tunnel measurements, Proceedings

of the EUROTRAC-2 Symposium 2002, Garmisch-Partenkirchen, Germany, 11-15 March, in press.

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