

SOFIA PAPALEXIOU

Physicist, M.Sc, PhD

Short CV

Date and place of birth

Thessaloniki 1965

Family status

Married with 3 children

Studies

20⁰ Lyceum Thessaloniki, graduated 1982

Physics Department, Aristotle University of Thessaloniki, degree 1987

University of Grenoble, France, Post graduate diploma in Nuclear Physics and Elementary Particle Physics, 1988

Univ.of Marseille, France, PhD in Particle Physics at CERN, Geneva, Switzerland, 1992

Research activities

Elementary Particle Physics, Air quality management with mathematical models, Meteorology and air pollutant dispersion in atmosphere

87 publications in international journals

Foreign languages

English (very good), French (very good), German (fair)

Other specialties

Specialist in environmental studies and photovoltaics

Noumerous environmental studies of all scales

Teaching activities

1. Teaching assistant in Mechanical Engineering Department, Polytechnic School, Aristotle University of Thessaloniki 1994-2000

“Transport phenomena in atmosphere”, “Air pollution”, Supervising of diploma theses.

2. Visiting professor in Environmental Engineering Department, Polytechnic School, Democritian University of Thrace, 2008-

“Renewable Energy Sources”, “Radiation in Atmosphere”, “Non-conventional Energy Sources”.

Professional activities

1988 – 1990 Researcher in Elementary Particles Laboratory, University of Marseille, France

1990-1993 Researcher in European Center for Particle Physics, CERN, Geneva, Switzerland.

1994 – 2000 Scientific Associate – Researcher in Laboratory of Heat Transfer and Environmental Engineering, Mechanical Engineering Department, Polytechnic School, University of Thessaloniki.

1999-2008 Vice-president of IRIS SA

2000 Founder and share holder (67%) of AIAS Engineering Ltd, special engineering studies and constructions.

Other activities

President of the “Greek Association of Investors in Photovoltaics (SEFE)”

Scientific Publications

1) **Etude des desintegrations semileptoniques des saveurs lourdes a LEP**, Ph.D thesis, University of Aix-Marseille II, September 1992

2) **A Direct measurement of the invisible width of the Z from single photon counting.**
By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-120, FSU-SCRI-93-123, Jul

1993. 14pp.

Published in **Phys.Lett.B313:520-534,1993.**

3) **Measurement of the ratio $\Gamma(b \text{ anti-}b) / \Gamma(\text{hadron})$ using event shape variables.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-113, FSU-SCRI-93-125, Jul 1993. 18pp.

Published in **Phys.Lett.B313:549-563,1993.**

4) **A Precise measurement of $\Gamma(Z \rightarrow b \text{ anti-}b) / \Gamma(Z \rightarrow \text{hadrons})$.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-108, FSU-SCRI-93-124, Jun 1993. 15pp.

Published in **Phys.Lett.B313:535-548,1993.**

5) **First measurement of the B(S) meson mass.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-97, Jun 1993. 11pp.

Published in **Phys.Lett.B311:425-430,1993, Erratum-ibid.B316:631,1993.**

6) **Observation of the time dependence of B(d)0 - anti-B(d)0 mixing.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-99, FSU-SCRI-93-122, Jun 1993. 11pp.

Published in **Phys.Lett.B313:498-508,1993.**

7) **Measurement of the b hadron lifetime with the dipole method.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-116, FSU-SCRI-93-134, Jul 1993. 13pp.

Published in **Phys.Lett.B314:459-470,1993.**

8) **Search for a nonminimal Higgs boson produced in the reaction $e^+ e^- \rightarrow h Z^*$.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-111, FSU-SCRI-93-121, Jul 1993. 15pp.

Published in **Phys.Lett.B313:312-325,1993.**

9) **Search for the Standard Model Higgs boson.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-110, FSU-SCRI-93-120, Jul 1993. 17pp.

Published in **Phys.Lett.B313:299-311,1993.**

10) **An Experimental study of $\gamma\gamma \rightarrow \text{hadrons}$ at LEP.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-94, FSU-SCRI-93-141, Jun 1993. 11pp.

Published in **Phys.Lett.B313:509-519,1993.**

11) **Search for high mass photon pairs in $e^+ e^- \rightarrow f \text{ anti-}f \gamma\gamma$ ($f = e, \mu, \tau, \text{neutrino}, q$) at LEP.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-75, Apr 1993. 14pp.

Published in **Phys.Lett.B308:425,1993.**

12) **Update of electroweak parameters from Z decays.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-40, FSU-SCRI-93-135, Mar 1993. 24pp.

Published in **Z.Phys.C60:71-82,1993.**

13) **Search for contact interactions in the reactions $e^+ e^- \rightarrow \text{lepton}^+ \text{lepton}^-$ and $e^+ e^- \rightarrow \gamma\gamma$.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-52, Mar 1993. 32pp.
Published in **Z.Phys.C59:215-230,1993.**

14) **Measurement of the tau polarization at the Z resonance.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-39, FSU-SCRI-93-117, Mar 1993. 39pp.
Published in **Z.Phys.C59:369-386,1993.**

15) **Measurement of the anti-B₀ and B⁻ meson lifetimes.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-93-42, Mar 1993. 18pp.
Published in **Phys.Lett.B307:194-208,1993, Erratum-ibid.B325:537-538,1994.**

16) **Measurement of the strong coupling constant using tau decays.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). LAL-93-01, CERN-PPE-93-41, Mar 1993. 16pp.
Published in **Phys.Lett.B307:209-220,1993.**

17) **Search for particles with unexpected mass and charge in Z decays.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-210, Dec 1992. 16pp.
Published in **Phys.Lett.B303:198-208,1993.**

18) **A Precise measurement of the tau lepton lifetime.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-186, Oct 1992. 24pp.
Published in **Phys.Lett.B297:432-448,1992.**

19) **Measurement of the b → tau- anti-tau-neutrino X branching ratio.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-184, Oct 1992. 20pp.
Published in **Phys.Lett.B298:479-491,1993.**

20) **Search for CP violation in Z → tau tau.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-161, Sep 1992. 14pp.
Published in **Phys.Lett.B297:459-468,1992.**

21) **Measurement of prompt photon production in hadronic Z decays.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-143, Aug 1992. 35pp.
Published in **Z.Phys.C57:17-36,1993.**

22) **Measurements of mean lifetime and branching fractions of b hadrons decaying to J / psi.**

By ALEPH Collaboration and ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-142, FSU-SCRI-93-71, Aug 1992. 17pp.
Published in **Phys.Lett.B295:396-408,1992.**

23) **A Measurement of the b baryon lifetime.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-138, Aug 1992. 16pp.
Published in **Phys.Lett.B297:449-458,1992.**

24) **Updated measurement of the average B hadron lifetime.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-133, Aug 1992. 16pp.
Published in **Phys.Lett.B295:174-186,1992.**

25) **Observation of the semileptonic decays of B(s) and LAMBDA(b) hadrons at LEP.**

By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-073, CERN-PPE-92-73, May 1992. 21pp.
Published in **Phys.Lett.B294:145-156,1992.**

- 26) **Properties of hadronic Z decays and test of QCD generators.**
By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-062, Apr 1992. 62pp.
Published in **Z.Phys.C55:209-234,1992.**
- 27) **Measurement of the production rates of eta and eta-prime in hadronic Z decays.**
By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-074, May 1992. 15pp.
Published in **Phys.Lett.B292:210-220,1992.**
- 28) **Measurement of B - anti-B mixing at the Z using a jet charge method.**
By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-048, Mar 1992. 21pp.
Published in **Phys.Lett.B284:177-190,1992.**
- 29) **Search for a very light CP odd neutral Higgs boson of the MSSM.**
By ALEPH Collaboration ([D. Buskulic et al.](#)). CERN-PPE-92-059, Apr 1992. 18pp.
Published in **Phys.Lett.B285:309-318,1992.**
- 30) **Measurement of alpha-s in hadronic Z decays using all orders resummed predictions.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-92-033, Feb 1992. 18pp.
Published in **Phys.Lett.B284:163-176,1992.**
- 31) **Evidence for the triple gluon vertex from measurements of the QCD color factors in Z decay into four jets.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-92-31, Feb 1992. 17pp.
Published in **Phys.Lett.B284:151-162,1992.**
- 32) **Measurement of the tau lepton lifetime.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-92-003, Jan 1992. 18pp.
Published in **Phys.Lett.B279:411-421,1992.**
- 33) **Evidence for b baryons in Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-229, Dec 1991. 14pp.
Published in **Phys.Lett.B278:209-216,1992.**
- 34) **Measurement of tau branching ratios.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-186, Nov 1991. 40pp.
Published in **Z.Phys.C54:211-228,1992.**
- 35) **A Study of Bose-Einstein correlations in e+ e- annihilation at 91-GeV.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-183, Oct 1991. 25pp.
Published in **Z.Phys.C54:75-86,1992.**
- 36) **Measurement of the absolute luminosity with the ALEPH detector.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-129, Aug 1991. 33pp.
Published in **Z.Phys.C53:375-390,1992.**
- 37) **Measurement of the charged particle multiplicity distribution in hadronic Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-159, Sep 1991. 15pp.
Published in **Phys.Lett.B273:181-192,1991.**
- 38) **Searches for new particles in Z decays using the ALEPH detector.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-149, Sep 1991. 91pp.
Published in **Phys.Rept.216:253-340,1992.**
- 39) **Production and decay of charmed mesons at the Z resonance.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-114, Jul 1991. 22pp.
Published in **Phys.Lett.B266:218-230,1991.**

- 40) **An Investigation into intermittency.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-121, Jul 1991. 27pp.
Published in **Z.Phys.C53:21-32,1992.**
- 41) **Search for the neutral Higgs bosons of the MSSM and other two doublet models.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-111, Jul 1991. 19pp.
Published in **Phys.Lett.B265:475-486,1991.**
- 42) **Improved measurements of electroweak parameters from Z decays into fermion pairs.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-105, Jul 1991. 40pp.
Published in **Z.Phys.C53:1-20,1992.**
- 43) **Measurement of the polarization of tau leptons produced in Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-94, Jun 1991. 28pp.
Published in **Phys.Lett.B265:430-444,1991.**
- 44) **Measurement of isolated photon production in hadronic Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-89, Jun 1991. 17pp.
Published in **Phys.Lett.B264:476-486,1991.**
- 45) **Measurement of the forward - backward asymmetry in $Z \rightarrow b \text{ anti-}b$ and $Z \rightarrow c \text{ anti-}c$.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-71, Apr 1991. 19pp.
Published in **Phys.Lett.B263:325-336,1991.**
- 46) **Charged particle pair production associated with a lepton pair in Z decays: Indication of an excess in the tau channel.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-65, Apr 1991. 27pp.
Published in **Phys.Lett.B263:112-122,1991.**
- 47) **Search for a new weakly interacting particle.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-91-26, Feb 1991. 20pp.
Published in **Phys.Lett.B262:139-147,1991.**
- 48) **Measurement of charge asymmetry in hadronic Z decays.**
By ALEPH collaboration ([D. Decamp et al.](#)). CERN-PPE-91-27, FSU-SCRI-91-45, Feb 1991. 23pp.
Published in **Phys.Lett.B259:377-388,1991.**
- 49) **Measurement of alpha-s from the structure of particle clusters produced in hadronic Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-196, Dec 1990. 15pp.
Published in **Phys.Lett.B257:479-491,1991.**
- 50) **Measurement of the B hadron lifetime.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-195, Dec 1990. 15pp.
Published in **Phys.Lett.B257:492-504,1991.**
- 51) **Measurement of B - anti-B mixing at the Z.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-194, Dec 1990. 16pp.
Published in **Phys.Lett.B258:236-246,1991.**
- 52) **Measurement of the strong coupling constant alpha-s from global event shape variables of hadronic Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-176, Nov 1990. 17pp.
Published in **Phys.Lett.B255:623-633,1991.**

- 53) **Search for excited neutrinos in Z decay.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-107, Aug 1990. 16pp.
Published in **Phys.Lett.B250:172-182,1990.**
- 54) **Measurement of electroweak parameters from Z decays into Fermion pairs.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-104, Jul 1990. 51pp.
Published in **Z.Phys.C48:365-392,1990.**
- 55) **Searches for the standard Higgs boson.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-PPE-90-101, Jul 1990. 12pp.
Published in **Phys.Lett.B246:306-314,1990.**
- 56) **Search for a very light Higgs boson in Z decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/90-70, May 1990. 14pp.
Published in **Phys.Lett.B245:289-297,1990.**
- 57) **Search For Neutralino Production In Z Decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/90-63, May 1990. 12pp.
Published in **Phys.Lett.B244:541-550,1990.**
- 58) **Heavy Flavor Production In Z Decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/90-54, Apr 1990. 25pp.
Published in **Phys.Lett.B244:551-565,1990.**
- 59) **Search For Decays Of The Z0 Into A Photon And A Pseudoscalar Meson.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/90-23, Feb 1990. 12pp.
Published in **Phys.Lett.B241:635,1990.**
- 60) **A Search For Pair Produced Charged Higgs Bosons In Z0 Decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP-90-34, Mar 1990. 24pp.
Published in **Phys.Lett.B241:623,1990.**
- 61) **SEARCH FOR THE NEUTRAL HIGGS BOSON FROM Z0 DECAY IN THE HIGGS MASS RANGE BETWEEN 11-GeV AND 24-GeV.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/90-16, Jan 1990. 18pp.
Published in **Phys.Lett.B241:141,1990.**
- 62) **A Precise Determination Of The Number Of Families With Light Neutrinos And Of The Z Boson Partial Widths.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/89-169, Dec 1989. 26pp.
Published in **Phys.Lett.B235:399,1990.**
- 63) **Search For Neutral Higgs Bosons From Supersymmetry In Z Decays.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/89-168, Dec 1989. 20pp.
Published in **Phys.Lett.B237:291,1990.**
- 64) **Search For Excited Leptons In Z0 Decay.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/89-167, Dec 1989. 21pp.
Published in **Phys.Lett.B236:501,1990.**
- 65) **A Search For New Quarks And Leptons From Z0 Decay.**
By ALEPH Collaboration ([D. Decamp et al.](#)). CERN-EP/89-165, Dec 1989. 24pp.
Published in **Phys.Lett.B236:511,1990.**
- 66) Μουσιόπουλος Ν., Sahm P., Γκίκας Α., Καραγιαννίδης Α., Καρατζάς Κ. και Παπαλεξίου Σ. (1995), Ανάλυση της μεταφοράς αέριας ρύπανσης στο λεκανοπέδιο της Αθήνας και τη

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- 67) Analysis of the air pollutant transport in the Athens Basin and the Mesogia Plain, in **Air Pollution III** Moussiopoulos N., Sahm P., Gikas A., Karagiannidis A., Karatzas K. and Papalexou S. (1995), (N. Moussiopoulos, H. Power and C.A. Brebbia, eds), Computational Mechanics Publications, Southampton, Vol. 3, 141-152.
- 68) Nested grid simulations of air pollutant transport and transformation in Thessaloniki, Greece, in **Air Pollution IV** Moussiopoulos N., Sahm P., Papalexou S. and Voegelé T. (1996), (B. Caussade, H. Power and C.A. Brebbia, eds), Computational Mechanics Publications, Southampton, 717-724.
- 69) Analysis of the impact of the new Athens airport to urban air quality with contemporary air pollution models, Moussiopoulos N., Sahm P., Karatzas K., Papalexou S. and Karagiannidis A. (1996), in 4th Workshop on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Vol. 1, 109-116, (Kretzschmar J.G. and Cosemans G., eds.), Vlaamse Instelling Voor Technologisch Onderzoek, Belgium.
- 70) The importance of using accurate emission input data for performing reliable air quality simulations, Moussiopoulos N., Sahm P., Papalexou S., Samaras Z. and Tsilingiridis G. (1996), Proceedings of EUROTRAC Symposium '96, Computer Mechanics Publications, Southampton, 655-659.
- 71) Assessing the impact of the new Athens airport to urban air quality with air pollution models, Moussiopoulos N., Sahm P., Karatzas K., Papalexou S. and Karagiannidis A. (1997), in *Atmos. Environ.* **31**, 1497-1511.
- 72) The EUMAC Zooming Model, a tool supporting environmental policy decisions in the local to regional scale, Moussiopoulos N., Ernst G., Flassak Th., Kessler Ch., Sahm P., Kunz R., Schneider Ch., Voegelé T., Karatzas K., Megariti V. and Papalexou S. (1997), in **Tropospheric Modelling and Emission Estimation** (Ebel A., Friedrich R. and Rodhe H., eds), Transport and Chemical Transformation of Pollutants in the Troposphere, Vol. 7, Springer, Heidelberg, in press.
- 73) Analysis of the impact of the new Athens airport to urban air quality with contemporary air pollution models, Moussiopoulos N., Sahm P., Karatzas K., Papalexou S. and Karagiannidis A. (1997), in *Int. J. Environment and Pollution* **7**, Nos. 5-7, in press.
- 74) Sensitivity of 3-D Photochemical Air Pollution Model Results to the Choice of the Chemical Reaction Mechanism, Moussiopoulos N., Sahm P. and Papalexou S. (1997), Proceedings of the 7th European Symposium on Physico-Chemical Behaviour of Atmospheric Pollutants: The Oxidizing Capacity of the Troposphere, October 2-4, 1996, Venice, Italy, 416-420.
- 75) The Urban Environment, Alberti M., De Leeuw, Moussiopoulos N., Papalexou S., Turlou E., Sluyter R., Larssen S. (1998), European Environment Agency, Copenhagen.
- 76) Proposal for the calculation of the high percentages of NO₂ concentrations, necessary for the execution of EU Directive 1999/30/EC, Clai G., Berkowicz R., Düring I., Ketzler M., Lohmeyer A., Moussiopoulos N. and Papalexou S. (1999), in 6th Workshop on Harmonization within Atmospheric Dispersion Modelling for Regulatory Purposes, Rouen, France.
- 77) Ανάλυση φαινομένων διάτμησης του αέρα στην περιοχή του αεροδρομίου Ιωαννίνων με τριδιάστατα μαθηματικά μοντέλα, Μουσιόπουλος Ν., Τούρλου Π.Μ., Παπαλεξίου Σ, Sahm P. και Νίτης Θ. (1999), Πρακτικά της 3ης Διεθνούς Έκθεσης και Συνεδρίου για την Τεχνολογία Περιβάλλοντος (HELECO 99), Θεσσαλονίκη, Ιούνιος 1999, Τόμος 1, 520-528.
- 78) Διαχείριση ποιότητας αέρα στη Θεσσαλονίκη με ένα σύστημα τρισδιάστατων Ουλεριανών μοντέλων, Μουσιόπουλος Ν., Παπαλεξίου Σ., Μπασούκος Α., Σαμαράς Ζ., Τσιλιγκιρίδης Γ. και Χαντζαρίδου Α. (1999), Πρακτικά της 3ης Διεθνούς Έκθεσης και Συνεδρίου για την Τεχνολογία Περιβάλλοντος (HELECO 99), Θεσσαλονίκη, Ιούνιος 1999, Τόμος 1, 377-385.

- 79) Air Pollution in European Cities – an Overview, in Urban air pollution – European aspects, Bozo L., Eerens H., Larssen S., Millan M., Moussiopoulos N., Papalexiou S., Samaras Z. (1999), (Fenger J., Hertel O. and Palmgren F., eds.), Kluwer Academic Publishers, pp 433-464.
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- 82) Simulation of nitrous acid formation taking into account heterogeneous pathways: Application to the Milan metropolitan area, Moussiopoulos N., Papalexiou S., Lammel G. and Arvanitis T. (2000), *Environmental Modelling & Software*, 15, 629-637.
- 83) Assessing ozone exposure for alternative emission scenarios: Multi-month applications of the EZM to Athens, Moussiopoulos N., Turlou P.M., Nitis T., Sahn P. and Papalexiou S. (2000), *Conference on the Protection and Restoration of the Environment*, Thassos, Greece, 3-6 July 2000.
- 84) Wind flow and photochemical air pollution in Thessaloniki, Greece Part I: Simulations with the European Zooming Model. Moussiopoulos, N., Papalexiou, S. and Sahn, P., 2005. *Environmental Modeling & Software*, 21, 1741-1751.
- 85) Wind flow and photochemical air pollution in Thessaloniki, Greece Part II: Statistical evaluation of European Zooming Model's simulation results. Papalexiou, S. and Moussiopoulos, N., 2005. *Environmental Modeling & Software*, 21, 1752-1758.