

Curriculum vitae

1	Family name	Retalis		
2	First name	Adrianos		
3	Date of birth	June 12, 1968		
4	Nationality	Hellenic		
5	Civil status	Married		
6	Education / Professional studies			
	Dates (from-to)	Institution	Degree/diploma	
6(a)	9/1987 - 6/1993	University of Athens, Department of Geology, Greece	Degree in Geology	
6(b)	9/1993 - 9/1994	University of Dundee, Department of Applied Physics and Electronic and Mechanical Engineering, UK	Master of Science (Remote Sensing)	
6(c)	10/1994 - 11/1998	University of Athens, Department of Physics, Greece	Doctor of Philosophy	
7	Language skills Grade skill 1-5 (1 = basic, 5 = excellent, * = mother tongue)			
	Language	Speaking	Reading	Writing
	Greek*	5	5	5
	English	5	5	5
8	Research Interests			
	Remote sensing, Atmospheric correction algorithms, Air quality monitoring and assessment, Land use/cover changes, water quality, Ecology, Atmospheric electricity			
9	Membership of professional bodies			
	Remote Sensing and Photogrammetry Society (UK), Global Network for Environmental Science and Technology, Hellenic Meteorological Society, EARSeL Urban Remote Sensing SIG, EARSeL Forest Fires SIG.			
10	Other Skills			
	Image Processing software: ERDAS Imagine, IDRISI, ENVI, PCI Geomatics, ER-Mapper. GIS software: Manifold, ArcGIS			
11	Name of organisation currently working for and Present position in the organisation	Name of Organisation: Institute for Environmental Research and Sustainable Development, National Observatory of Athens Present position in the organisation: Senior Researcher		
12	Key Qualifications (relevant projects which he/she has directed or in which he/she has been involved)			
	SATFLOOD: An integrated use of satellite remote sensing and hydraulic modelling for flood risk assessment at catchment scale in Cyprus. Funding Body: Research Promotion Foundation of Cyprus. Duration: 15/11/2010 – 14/02/2014		Project coordinator	
	SATCOAST: Management and monitoring of the quality of coastal waters in Cyprus using satellite remote sensing. Funding Body: Research Promotion Foundation of Cyprus. Duration:		Project coordinator	

	02/05/2011–01/05/2014	
	LIDAR: Integrated use of remote sensing and lidar techniques for the study of air pollution and the optical properties of the atmosphere in Cyprus. Funding Body: Research Promotion Foundation (Cyprus). Duration: 03/04/2012 – 02/10/2014	Project coordinator
	KSENIOS: Impacts of Climate Change in Tourism Development of sensitive areas of Greece. Site Application: Messina - Integrated Tourism Development Areas. Funding Body: General Secretariat of Research and Technology, Ministry of Education, Greece (Synergasia – 09ΣΥΝ-31- 867) Duration: 14/12/2010 – 13/12/2013.	Remote Sensing and GIS expert. Responsible for applying RS-GIS techniques for assessment of desertification from NDVI data.
	AIRSPACE: System development for near real-time air pollution (aerosols) monitoring. Funding Body: Research Promotion Foundation of Cyprus. Duration: 01/12/10 – 31/01/2013.	Project coordinator
	URBAN HEAT: Study of heat island effect over Cyprus. Funding Body: Research Promotion Foundation of Cyprus. Duration: 01/12/2008 – 28/02/2012.	Project coordinator
	AERAS: System development for near real-time air pollution (aerosols) monitoring. Funding Body: Research Promotion Foundation of Cyprus. Duration: 14/11/2005 – 13/02/2009.	Project coordinator
	VILLEMIZERO: Ville Emissions Zero. Funding Body: INTERREG III, B MEDOCC. Duration: 10/2006 – 06/2008.	Remote Sensing and GIS expert. Responsible for applying RS-GIS techniques for assessment and monitoring of air pollution.
	Evaluation of photochemical models of particulate matter and ozone in Attica using DOAS measurements and LIDAR technique and correlation with health indicators. Funding Body: General Secretariat of Research and Technology, Greece (Call: Scientific and Technological cooperation between RTD Organisations in Greece and RTD Organisations in U.S.A., Canada, Australia, New Zealand, Japan, South Korea, Taiwan, Malaysia and Singapore). Duration: 23/11/2006 – 31/03/2008.	Remote Sensing and GIS expert. Responsible for applying RS-GIS techniques for assessment and monitoring of air pollution.
	Improvement Study - Updating the Wind Map of Greece. Funding Body: Ministry of Development and Competitiveness (Operational Program	Remote Sensing and GIS expert.

	“Competitiveness”). Duration: 11/08/2006 – 31/10/2008.	
	Use of Earth Observation for sustainable development in Skiathos Island, Greece. Internal funded Research project based on ASTER AP-304 project approved from the Earth Remote Sensing Data Analysis Center (ASTER ARO Office, Japan). Duration: June 2003 – June 2005.	Project coordinator
	Use of ENVISAT data for validating aerosol retrievals by High Spatial Resolution Satellites in support of the ICAROS-NET IST. Internal funded Research project based on ENVISAT AO-GR1495 project approved from the European Space Agency. Duration: June 2003 – June 2005.	Remote Sensing and GIS expert. Responsible for applying RS-GIS techniques for assessment and monitoring of air pollution.
	IKAROS-NET: Integrated Computational Assessment of Urban Air Quality Via Remote Observation Systems Network. Funding Body: IST-2000-29264. Duration: 01/09/2001 – 31/08/2004.	Remote Sensing expert. Responsible for applying RS techniques for assessment and monitoring of air pollution using various EO platforms.
	LEXIS: Lexical and terminological Infrastructure - From Data to System. Funding Body: General Secretariat of Research and Technology, Greece. Duration: 01/10/1999 – 31/05/2001.	Data analysis.
	GENESIS: Generic Network for Satellite Interactive Systems. Funding Body: TEN-TELECOM (TEN 46610 FS), DG XIII. Duration: 01/01/1999 – 31/12/2000.	Project Manager, content provider for a multimedia (educational) CD-ROM on “Remote Sensing and Geographical Information Systems”
	APMoSPHERE: Air Pollution Modelling for Support to Policy on Health, Environment and Risk Management in Europe. Funding Body: EVK2-CT-2002-00176. Duration: 01/11/2002 – 31/08/2005.	Remote Sensing expert. Responsible for applying RS techniques for assessment and monitoring of air pollution using various EO platforms.
	SISMOSAT: Regular Update of seismic hazard maps through thermal space observations. Funding Body: EC-GMES, DG-Environment (ENV4-CT98-0741). Duration: 01/12/1998 – 31/05/2000.	Project Manager, responsible for applying GIS and RS techniques for the production of thematic maps of sea surface and land temperature distribution from satellite images.
	ASTERISMOS: Application of Space Technology to Environmental aspects of surface mining - a Surface Mining decision support System. Funding Body: E.C.-DG XII & DG JRC (ENV4-CT96-373). Duration: 01/04/1997 – 31/03/2000.	Project Manager, responsible for applying RS and GIS techniques in accordance with a DSS system for the protection of environment due to excavations of mines.

	Development of an atmospheric correction model/algorithm for application in the interpretation of satellites images in urban areas. Funding Body: General Secretariat of Research and Technology, Greece. Duration: 01/09/1995 – 31/08/1998.		Remote Sensing expert, responsible for the development of an atmospheric correction method for application to satellite images, especially over urban polluted regions, like Athens, with the combination of RS techniques.
	Complementary Environmental Impact Assessment Study for the partial diverse of Acheloos river towards Thessaly. Funding Body: Hellenic Ministry of Environment. Duration: September 2000 – September 2001.		Project Manager, responsible for applying GIS and RS techniques for the production of thematic land cover/use maps
	SISMOSAT: Regular Update of seismic hazard maps through thermal space observations. Funding Body: ENV4-CT98-0741. Duration: 01/12/1998 – 31/05/2000.		Project Manager, responsible for applying GIS and RS techniques for the production of thematic maps of sea surface and land temperature distribution from satellite images.
	ASTERISMOS: Application of Space Technology to Environmental aspects of surface mining - a Surface Mining decision support System. Funding Body: EC - DG XII & DG JRC (ENV4-CT96-373). Duration: 01/04/1997 – 31/03/2000.		Project Manager, responsible for applying RS and GIS techniques in accordance with a DSS system for the protection of environment due to excavations of mines.
	Modernisation-improvement of implementation and extension of the atmospheric pollution ground based monitoring network of PERPA (Athens) by the application of a new method of analysis of high spatial resolution satellite images. Funding Body: LIFE 1994. Duration: 01/01/1995 – 30/06/1996.		Remote Sensing and GIS expert, responsible for the assessment of air pollution maps based on EO images.
	Assessment of the effect of CO ₂ and other greenhouse gases emissions to Climate Change. Funding Body: Hellenic Ministry of Environment. Duration: 27/03/1996 – 27/09/1996		Data analysis.
13	Professional experience record		
13(a)	Location	Date	Organisation
	Athens, Greece	4/2006 – 4/2010	National Observatory of Athens
	Position	Associate Researcher	
13(b)	Location	Date	Organisation
	Athens, Greece	2/1996 –	National Observatory of Athens
	Position	Scientific Staff	
	Responsibilities	Remote Sensing and GIS expert (project manager of EU and National project, processing of EO data for environmental monitoring, i.e. wetlands, land cover/use changes, air pollution monitoring and assessment, forest fires, water quality, environmental impact	

		assessment studies, environmental protection, etc.)	
13(c)	Location	Date	Organisation
	Athens, Greece	9/2004 – 07/2010	Technological Educational Institute of Athens, Department of Surveying Engineering
	Position	Assistant Professor	
	Responsibilities	Teaching Remote Sensing and Photo-Interpretation	
13(d)	Location	Date	Organisation
	Patra, Greece	10/2003-2/2004	University of Patras, Department of Biology
	Position	Assistant Professor	
	Responsibilities	Teaching Remote Sensing and Cartography	
13(e)	Location	Date	Organisation
	Athens, Greece	1/2000-1/2001	Geomet Ltd.
	Position	Project Manager, Head of Remote Sensing Department	
	Responsibilities	Project Manager of EU and National project, RS expert (environmental application of RS techniques using various EO data)	
13(f)	Location	Date	Organisation
	Athens, Greece	10/1998-1/2000	Integrated Information Systems (IIS) S.A.
	Position	Project Manager, Remote Sensing Department	
	Responsibilities	Project Manager of EU and National project, RS expert (environmental application of RS techniques using various EO data)	

Review Experience

Acting as a reviewer for:

Journals: Journal of Geophysical Research-Atmosphere, IEEE Transaction on Geoscience and Remote Sensing, International Journal of Remote Sensing, Journal of Atmospheric Research, Journal of the Air & Waste Management Association, Natural Hazards and Earth System Sciences (NHES), IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, Journal of Atmospheric and Solar-Terrestrial Physics, Indian Journal of Physics, Water Resources Management, Journal of Applied Remote Sensing, Journal of Aerosol Science, Atmospheric Chemistry and Physics, Natural Hazards, European Journal of Remote Sensing, Journal of Environmental Quality.

Books: reviewer for books published in “The Photogrammetric Record” published by Blackwell Publishing Ltd. on behalf of “The Remote Sensing and Photogrammetry Society” and “ISPRS Highlights”, the official bulletin of the “International Society for Photogrammetry and Remote Sensing” Society.

Project Proposals: Acting as an evaluator under the 6th EC Framework for IST-FET (Future and Emerging Technologies) INTAS and SEE-ERA.NET Pilot Joint Call calls. Also, acting as evaluator for New Eurasia Foundation, Romanian National Research Council, Research Promotion Foundation of Cyprus and General Secretariat for Research and Technology (Greece).

Publications

Author of more than 120 scientific papers presented in peer-reviewed journals, books, International and Hellenic conferences and Project Reports. Also, content provider for an educational multimedia CD-ROM on “Remote Sensing and GIS”.

List of papers published at peer-review journals

1. Retalis A., Cartalis C. and Varotsos C., 1995, An Analysis of the Nitrogen Dioxide in the South-Eastern Mediterranean Region for the Period 1985-89, *International Journal of Remote Sensing*, Vol. 16, No. 10, 1897-1903.
2. Cartalis C. and Retalis A., 1996, Exploring the need to revise atmospheric correction algorithms of satellite sensor images for the area of Greece, *International Journal of Remote Sensing*, Vol. 17, No. 15, 3083-3088.
3. Retalis A. and Cartalis C., 1997, Definition of the tropopause height in the south-eastern Mediterranean region, *Toxicological and Environmental Chemistry*, Vol. 58, 259-267.
4. Retalis, D. A., and Retalis, A. D., 1997, The Atmospheric Electric Field in Athens – Greece, *Meteorology and Atmospheric Physics*, Vol. 63, 235-241.
5. Retalis D. and Retalis A., 1998, Effects of air pollution and wind on the large-ion concentration in the air above Athens, *JGR Atmospheres*, Vol. 103 (D12), 13,927–13,932.
6. Retalis A. Cartalis C. and E. Athanassiou, 1999, Assessment of the distribution of aerosols in the area of Athens with the use of LANDSAT Thematic Mapper data, *International Journal of Remote Sensing*, Vol. 20, No. 5, 939-945.
7. Hadjimitsis D.G, Retalis A. and Clayton C.R.I., 2002, The Assessment of Atmospheric Pollution Using Satellite Remote Sensing Technology in Large Cities in the Vicinity of Airports. *Water, Air and Soil Pollution: Focus*, 2, 631-640.
8. Farquhar C., Clayton C. and Retalis A., 2005, Use of Terra ASTER imagery for the sustainable development of Skiathos Island, Greece. *IASME TRANSACTIONS*, Issue 3, Vol. 2, May 2005, 346-354.
9. Petrakis M., Kopania Th., Psiloglou B., Briggs D., Hoek G., Aaheim A., Shaddick G., Sifakis N. and Retalis A., 2005, GIS And Remote Sensing Techniques In Emission Mapping For Health Management In Europe. *IASME TRANSACTIONS*, Issue 3, Vol. 2, May 2005, 383-388.
10. Retalis A., Bendali F., Stefouli M., Charou E. and Vavizos G., 2005, A New Method Appropriate In Environmental Impact Assessment Studies For Natural Environment Land Cover Data Elaboration. *IASME TRANSACTIONS*, Issue 4 Vol. 2, June 2005, 629-635.
11. Retalis A. and Nikitopoulou Th., 2005, Satellite Remote Sensing For Monitoring Aerosol Dust Events: A Case Study Of April 17, 2005. *IASME TRANSACTIONS*, Issue 4, Vol. 2, June 2005, 636-640.
12. Hadjimitsis D., Evangelou I., Retalis A., Lazakidou A., and Clayton C., 2005, Classification of Satellite Images for Land-Cover Changes using an Unsupervised Neural Network Algorithm. *WSEAS TRANSACTIONS ON SIGNAL PROCESSING*, Issue 2, Vol. 1, November 2005, 155-162.
13. Retalis A. and Nikitopoulou Th., 2006, Use of Satellite Remote Sensing for Studying the Intense Saharan Dust Events of April 17, 2005. *Geocarto International*, 21 (4), 29-36.
14. Retalis A. and Nikitopoulou Th., 2006, Study of the Dust Event of February 24, 2006. *WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT*, Issue 6, Volume 2, June 2006, 871-877.
15. Papastergiadou E. S., Retalis A., Kalliris P. and Th. Georgiadis, 2007, Land use changes and associated environmental impacts on the Mediterranean shallow lake Stymfalia, Greece. *Hydrobiologia*, 584, 361–372.
16. Papastergiadou E., Retalis A., Apostolakis A. and Georgiadis Th., 2008, Environmental monitoring of spatio-temporal changes using remote sensing and GIS in a Mediterranean Wetland of Northern Greece. *Water Resources Management*, 22, 579-594.
17. Retalis A. and Michaelides S., 2009, Synergetic use of TERRA/MODIS imagery and meteorological data for studying aerosol dust events in Cyprus. *International Journal of Environment and Pollution: Air Pollution*, 36, 139-150.
18. Hadjimitsis D.G., Clayton C.R.I. and Retalis A., 2009, The use of selected pseudo-invariant targets for the application of atmospheric correction in multi-temporal studies using satellite remotely sensed imagery. *International Journal of Applied Earth Observation and Geoinformation*, 11 (3), 192-200.
19. Retalis A., Nastos P. and Retalis D., 2009, Study of small ions concentration in the air above Athens, Greece. *Atmospheric Research*, 91 (2-4), 219-228.

20. Retalis, A., Sifakis, N., 2010, Urban aerosol mapping over Athens using the differential textural analysis (DTA) algorithm on MERIS-ENVISAT data. *ISPRS Journal of Photogrammetry and Remote Sensing*, 65 (1), 17-25.
21. Hadjimitsis, D.G., Agapiou, A., Papadavid, G., Themistocleous, K., Retalis, A., Michaelides, S., Chrysoulakis, N., Toullos, L. and Clayton, C.R.I., 2010, Atmospheric correction for satellite remotely sensed data intended for agricultural applications: impact on vegetation indices. *Natural Hazards and Earth System Sciences*, 10 (1), 89-95.
22. Kaskaoutis, D., Sifakis, N., Retalis, A. and Kambezidis, H., 2010, Aerosol monitoring over Athens using satellite and ground-based measurements. *Advances in Meteorology*, Vol. 2010 (2010), Article ID 147910, 12 pages, doi:10.1155/2010/147910.
23. Retalis, A., Hadjimitsis, D.G., Michaelides, S., Tymvios, F., Chrysoulakis, N. and Clayton, C.R.I., 2010, Comparison of aerosol optical thickness with in situ visibility data over Cyprus. *Natural Hazards and Earth System Sciences*, 10, 421-428.
24. Papastergiadou E., Kagalou I., Stefanidis K., Retalis A. and Leonardos I., 2010, Effects of Anthropogenic Influences on the Trophic State, Land Uses and Aquatic Vegetation in a Shallow Mediterranean Lake: Implications for Restoration. *Water Resources Management*, 24, 415-435.
25. Retalis A., Paronis D., Lagouvardos K., and Kotroni V., 2010, The heat wave of June 2007 in Athens, Greece – Part 1: Study of satellite derived land surface temperature. *Atmospheric Research*, 98 (2-4), 458-467.
26. Kotroni V., Lagouvardos K., and Retalis A., 2011, The heat wave of June 2007 in Athens, Greece – Part 2: Modelling study and sensitivity experiments. *Atmospheric Research*, 100 (1), 1-11.
27. Hadjimitsis D., Mitraka Z., Gazani I., Retalis A., Chrysoulakis N., and Michaelides S., 2011, Estimation of spatio-temporal distribution of precipitable water using MODIS and AVHRR data: a case study for Cyprus. *Advances in Geosciences*, 30, 23-29.
28. Themistocleous K., Nisantzi A., Agapiou A., Alexakis D., Hadjimitsis D., Lysandrou V., Perdikou S., Retalis A., and Chrysoulakis N., 2012, Long Term Monitoring of Air Pollution on Monuments and Cultural Heritage Sites in Cyprus Using Satellite Remote Sensing. *International Journal of Heritage in the Digital Era*, 1(1), 145-168.
29. Alexakis D., Agapiou A., Hadjimitsis D. and Retalis A., 2012, Optimizing statistical classification accuracy of satellite remotely sensed imagery for supporting fast flood hydrological analysis. *Acta Geophysica*, 60(3), 959-984.
30. Themistocleous K., Hadjimitsis D., Retalis A. and Chrysoulakis N., 2012, The identification of pseudo-invariant targets using ground field spectroscopy measurements intended for the removal of atmospheric effects from satellite imagery: The case study of Limassol area in Cyprus. *International Journal of Remote Sensing*, 33 (22), 7240-7256.
31. Themistocleous K., Hadjimitsis D., Retalis A. and Chrysoulakis N., 2012, Development of a new image based atmospheric correction algorithm for aerosol optical thickness retrieval using the darkest pixel method. *Journal of Applied Remote Sensing*, 6(1), 063538 (Jul 03 2012); doi: 10.1117/1.JRS.6.063538.
32. Alexakis D., Hadjimitsis D., Agapiou A., Themistocleous K. and Retalis A., 2012, Monitoring urban land cover using satellite remote sensing techniques and field spectroradiometric measurements: the case study of "Yialias" catchment area in Cyprus. *Journal of Applied Remote Sensing*, 6 (1), 063603: 1-14. doi:10.1117/1.JRS.6.063603.
33. Papoutsas C., Kounoudes A., Milis M., Toullos L., Retalis A., Kyrou K., and Hadjimitsis D., 2012, Monitoring turbidity in Asprokremmos dam in Cyprus using earth observation and smart buoy platform. *European Water*, 38, 25-32.
34. Kitsara G., Papaioannou G., Papathanasiou A. and Retalis A., 2013, Dimming/brightening in Athens: Trends in Sunshine Duration, Cloud Cover and Reference Evapotranspiration. *Water Resources Management*, 27, 1623-1633. doi:10.1007/s11269-012-0229-4.
35. Themistocleous K., Hadjimitsis D., Retalis A., Chrysoulakis N. and Michaelides S., 2013, Precipitation effects on the selection of suitable non-variant targets intended for atmospheric correction of satellite remotely sensed imagery. *Atmospheric Research*, 131, 73–80. doi:10.1016/j.atmosres.2012.02.015.
36. Fameli K.M., Assimakopoulos V.D., Kotroni V. and 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), 169-177.

List of papers published at book chapters/collections

1. Retalis A. and Cartalis C., 1997, Analysis of the Stratospheric Aerosols in the South-Eastern Mediterranean region as deduced from SAGE I and SAGE II measurements. In Atmospheric Ozone Dynamics, Observations in the Mediterranean region. Edited by C. Varotsos, NATO ASI Series, Series I: Global Environmental Change, Vol. 53, 270-279.
2. Retalis A., Cartalis C., Tombrou M. and Varotsos C., 1997, Atmospheric Soundings in support of the definition of the Tropopause Region in the South-Eastern Mediterranean Region. In Atmospheric Ozone Dynamics, Observations in the Mediterranean region. Edited by C. Varotsos, NATO ASI Series, Series I: Global Environmental Change, Vol. 53, 281-284.
3. Hadjimitsis D.G., Retalis A., Clayton C.R.I, Perdikou P., Toullos L. and Hadjimitsi C., 2003, Remote Sensing in support of assessing land-cover changes for in Paphos District (Cyprus): A sustainable development project. Edited by: E. Beriatos, C.A. Brebbia, H. Coccossis and A.G. Kungolos, Sustainable Planning and Development, Series: The Sustainable World, Vol. 6, 513-523 (WIT Press).
4. Michaelides S., Tymvios F., Paronis D. and Retalis A., 2011, Artificial Neural Networks for the Diagnosis and Prediction of Desert Dust Transport Episodes. Edited by: K. Gopalakrishnan et al. (Eds.): Soft Comput. in Green & Renew. Ener. Sys., 269, pp. 285–304, © Springer-Verlag Berlin Heidelberg 2011.
5. Hadjimitsis D.G., Retalis A., Michaelides S., Tymvios F., Paronis D., Themistocleous K. and Agapiou A., 2013, Satellite and Ground Measurements for Studying the Urban Heat Island Effect in Cyprus. Edited by: Hadjimitsis D.G., Remote Sensing of Environment: Integrated Approaches, pp. 1-24, © InTech (ISBN 978-953-51-1152-8).
6. Hadjimitsis D.G., Alexakis D., Agapiou A., Themistocleous K., Michaelides S. and Retalis A., 2013, Integrated Remote Sensing and GIS Applications for Sustainable Watershed Management: A Case Study from Cyprus. Edited by: Hadjimitsis D.G., Remote Sensing of Environment: Integrated Approaches, pp. 97-129, © InTech (ISBN 978-953-51-1152-8).
7. Hadjimitsis D.G., Mamouri R.-E., Nisantzi A., Kouremerti N., Retalis A., Paronis D., Tymvios F., Perdikou S., Achilleos S., Hadjicharalambous M.A., Athanasatos S., Themistocleous K., Papoutsas C., Christodoulou A., Michaelides S., Evans J.S., Abdel Kader M.M., Zittis G., Panayiotou M., Lelieveld J. and Koutrakis P., 2013, Air Pollution from Space. Edited by: Hadjimitsis D.G., Remote Sensing of Environment: Integrated Approaches, pp. 181-211, © InTech (ISBN 978-953-51-1152-8).

Selective list of papers publishes at international conferences

1. Retalis, D. A., Nikolakis, A. I., and Retalis, A. D., 1991, On the Atmospheric Electric Convection Current Density, 1st General Conference of the Balkan Physical Union, 26-28 September 1991, Thessaloniki, Greece.
2. Retalis, D. A., Pitta A., and Retalis, A. D., 1991, On the Closure of the Ohm's Law at the Athens Atmospheric Electric Station, 1st General Conference of the Balkan Physical Union, 26-28 September 1991, Thessaloniki, Greece.
3. Retalis D., Retalis A., 1992, The Atmospheric Electric Climate in Athens, Greece, 9th International Conference on Atmospheric Electricity, 15-19 June, 1992, St. Petersburg, Russia.
4. Retalis, D. A., Nikolakis, D. I., and Retalis, A. D., 1992, On the Atmospheric Electrical Conduction and Convection Currents in Athens, 9th International Conference on Atmospheric Electricity, 15-19 June, 1992, St. Petersburg, Russia.
7. Retalis D. and Retalis A., 1996, Effects of air pollution and wind on the large ions concentration in the air above Athens, 10th International Conference on Atmospheric Electricity, 10-14 June, 1996, Osaka, Japan.
8. Retalis D. Retalis S. and Retalis A., 1997, Mechanisms to promote environmental sciences to public, 3rd European Conference on Applications of Meteorology, 23-26 September 1997, Lindau, Germany.

9. Retalis A. and Cartalis C., 1998, Satellite Earth observation in support of the assessment of stratospheric aerosols in the south-eastern Mediterranean, 24th Annual Conference and Exhibition of the Remote Sensing Society: RSS98 "Developing International Connections", 9-11 September 1998, University of Greenwich, UK (pp.206-212).
10. Retalis A., Cartalis C. and Asimakopoulos D., 1998, An atmospheric correction algorithm applied to polluted urban cities: a case study for Athens, 24th Annual Conference and Exhibition of the Remote Sensing Society: RSS98 "Developing International Connections", 9-11 September 1998, University of Greenwich, UK (pp. 361-367).
11. Retalis D. and Retalis A., 1999, A study of the atmospheric electrical parameters and the meteorological conditions during some intense air pollution episodes in Athens, 11th International Conference on Atmospheric Electricity, June 7-11, 1999, Guntersville, Alabama, USA.
12. Hadjimitsis D.G, Clayton C.R.I., Hope V.S. and Retalis A., 1999, A new method of removing atmospheric effects from Landsat TM images using pseudo-invariant targets, 25th Annual Conference and Exhibition of the Remote Sensing Society: RSS99, September 8-10, 1999, University of Wales Cardiff, Cardiff, UK (pp. 633-641).
13. Retalis A. and Ganas A., 1999, The use of remote sensing as a tool for the forest fires studies. DELFI International Symposium "Forest Fires: Needs and Innovations", 18-19 November 1999, Athens, Greece (pp. 334-338).
14. Hadjimitsis D. G., Clayton C. R. I., Retalis A. and Spanos K., 2000, Investigating the potential of using satellite remote sensing for the assessment of water quality in large dams, and irrigation demand, in Cyprus. 26th Annual Conference and Exhibition of the Remote Sensing Society: RSS 2000, "Adding Value to Remotely Sensed Data", September 12-14, 2000, University of Leicester, UK.
15. Retalis A., Hadjimitsis D. G. and Clayton C. R. I., 2000, The Use of Large Eutrophic Inland Water Bodies as Suitable Dark Targets in the Assessment of Atmospheric Pollution Using Satellite Remotely Sensed Imagery. 5th Conference on Meteorology, Climatology and Atmospheric Physics, 28-30 September, 2000, Thessaloniki, Greece.
16. Hadjimitsis D.G, Retalis A. and Clayton C.R.I., 2001, The assessment and mapping of atmospheric pollution using satellite remote sensing technology in large cities in the vicinity of airports. 3rd International Conference on Urban Air Quality, March 21-23, 2001, Loutraki, Greece.
17. Hadjimitsis D.G., Clayton C.R.I., Retalis A. and Zlatoudis A.E., 2001, Assessing land cover changes derived from satellite images as an indicator for sustainable land use in Skiathos and Skopelos Islands in Greece. Annual Meeting of the Remote Sensing and Photogrammetry Society: RSS 2001 Conference, "Geomatics, Earth Observation and the Information Society", 12-14 September 2001, London, UK.
18. Retalis A., Vozikis E. and Petrogonas I., 2002, Application of remote sensing and GIS for environmental impact assessment. International Conference: Protection and Restoration of the Environment VI, 1-5 July 2002, Skiathos Island, Greece.
19. Hadjimitsis D.G., Retalis A., Clayton C.R.I., Perdikou P. and Zlatoudis A.E., 2002, Satellite remote sensing in support of land-cover mapping in Skiathos Island - Greece. International Conference: Protection And Restoration Of The Environment VI, 1-5 July 2002, Skiathos Island, Greece.
20. Hadjimitsis D.G., Clayton C.R.I., Perdikou P. and Retalis A., 2002, Exploring the need for identifying suitable pseudo-invariant targets for applying atmospheric correction in multi-temporal studies using satellite remotely sensed imagery. SPIE Remote Sensing 2002 Conference, 23-27 September 2002, Crete, Greece.
21. Retalis D., Nastos P. and Retalis A., 2003, Variations of large ions concentration in the air above Athens. 12th International Conference on Atmospheric Electricity ICAE 2003, 9-13 June 2003, Versailles, France.
22. Retalis, A., N. Sifakis, N. Grosso, D. Paronis and D. Sarigiannis, 2003, Aerosol optical thickness retrieval from AVHRR images over the Athens urban area. IEEE International Geoscience & Remote Sensing Symposium (IGARSS) 2003, 21-25 July 2003, Toulouse, France (pp. 2182-2184).
23. Hadjimitsis D., Retalis A. and Clayton C., 2003, Satellite Remote Sensing and GIS for sustainable development in Skiathos Island, Greece. Remote Sensing 2003 – SPIE Conference, 8–12 September 2003, Barcelona, Spain.

24. Hadjimitsis D., Clayton C. and Retalis A., 2003, On the darkest pixel atmospheric correction algorithm: A revised procedure applied over satellite remotely sensed images intended for environmental applications. Remote Sensing 2003 – SPIE Conference, 8–12 September 2003, Barcelona, Spain.
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