

# Antonio Donateo

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Scopus ID: 57042520100

**Position:** Research Scientist at Istituto di Scienze dell'Atmosfera e del Clima (ISAC)  
National Research Council (CNR)

## EDUCATION

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### January 2005

Ph.D in Environmental Sciences

University of Urbino – Department of Environmental Sciences

Operative Site: ISAC (Institute of Atmospheric and Climate Sciences) – National  
Research Council (CNR)

Main Subject: Turbulent vertical fluxes of fine particulate (PM<sub>2.5</sub>) and gas in surface  
boundary layer

### April 2000

Master Degree in Physics at the University of Lecce - Department of Physics

Final mark: 105/110.

Main Subject: Quantum efficiency and characteristics of electron beam generated from  
niobium by superficial and volumetric photoemission

## SHORT COURSES ON PARTICULAR TOPICS

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Short Term Mobility

19 June – 9 July 2011

*Main Subject:* Aerosol size distribution and vertical turbulent fluxes measured with  
different instruments: an inter comparison study

IRSN (Institut de Radioprotection et Surete Nucleaire)

Cherbourg-Octeville (France).

Short Term Mobility

10 October – 24 November 2007

*Main Subject:* Measurements of tracer concentration and turbulent fluxes in a small  
scale model of a street canyon

University of Surrey – Department of Fluids and Systems

Enflo (Environmental Flow Research Centre)

ISSAOS – International Summer School on Atmospheric and Oceanic Sciences

Integrated Ground-Based Observing System Application for Climate, Meteorology and Civil Protection  
3-7 September 2007  
University of L'Aquila  
L'Aquila

Course on Fine Particulate in Atmosphere  
11 - 13 October 2006  
D.I.I.A.R. Department of Hydraulic, Environmental, Infrastructural Engineering – Polytechnic of Milan  
Milan

Course on Coding with Labview 7.0  
18 - 20 January 2005  
ISAC – Institute of Atmospheric and Climate Sciences  
Bologna

Course on BTX Instrumental Measurement - Syntech Spectras Analyser GC855  
25 - 26 March 2003  
ISAC – Institute of Atmospheric and Climate Sciences  
Lecce

Course on Coding with Visual Basic 6.0 (database management)  
01 October 2001- 10 March 2002  
Maglie (LE), Italy

## **PROFESSIONAL EXPERIENCE**

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**29 Mar. 2010 – 30 Dec. 2012**

**Contract Research** at Institute of Atmospheric and Climate Sciences (ISAC) - CNR  
*Main Subject:* Air quality and pollutants dispersion and transport experimental analysis, mainly for chemical-physical aspects of atmospheric particulate.  
*Research Project:* A.I.Te.C.H. (Applied Innovation Technologies for Diagnosis and Conservation of Built Heritage). Project funded by Italian National and Regional Government.

**1 Ott. 2008 – 28 Mar. 2010**

**Research Fellow** at Institute of Atmospheric and Climate Sciences (ISAC) - CNR.  
*Main Subject:* Atmospheric particulate and meteorological data analysis in real time in boundary layer  
*Research Project:* Caratterizzazione chimico fisica dell'aerosol antartico e processi di rimozione. Project funded by PNRA 6.7/2004 (National Program for Research in Antarctica).

**1 Feb 2008 – 30 Sept 2008**

**Contract Research** at Institute of Atmospheric and Climate Sciences (ISAC) - CNR

*Main Subject:* Development of data analysis algorithms for atmospheric remote sensing with SODAR and LIDAR. Analysis of correlations between micro meteorological and meteorological parameter and particulate concentrations on ground. Characterizations of air pollution sources by studying data concentrations and PM vertical turbulent fluxes.

*Research Project:* ERESIA (Environment Remote Sensing Interregional Agency). Project funded by Interreg III (European Community).

### **1 Oct 2006 – 31 Jan 2008**

**Research Fellow** at Institute of Atmospheric and Climate Sciences (ISAC) - CNR

*Main Subject:* Meteorological and Air Quality in Real Time Measurement in the Boundary Layer.

*Research Project:* Sviluppo di un Sistema Integrato Modellistica Numerica – Strumentazione e Tecnologia Avanzate per lo Studio e le Previsioni del Trasporto e della Diffusione di Inquinanti in Atmosfera. Project funded by MIUR (Italian Ministry of University, Research and Instruction).

### **8 Jun – 31 Aug 2006**

**Research Assistant** at Institute of Atmospheric and Climate Sciences (ISAC) – CNR

*Main Subject:* Meteorological and Sodar Data Analysis

*Research Project:* Sviluppo di un Sistema Integrato Modellistica Numerica – Strumentazione e Tecnologia Avanzate per lo Studio e le Previsioni del Trasporto e della Diffusione di Inquinanti in Atmosfera. Project funded by MIUR (Italian Ministry of University, Research and Instruction) with supervision of dr. Daniele Contini.

### **11 Apr – 14 May 2006**

**Research Assistant** at Institute of Atmospheric and Climate Sciences (ISAC) – CNR

*Main Subject:* PM<sub>2.5</sub> concentration measurements and meteorological data elaboration on Venice lagoon

*Research Project:* Bilancio dei flussi di micro-inquinanti organici ed inorganici all'interfaccia atmosfera-acqua della laguna di Venezia. Project funded by CORILA with supervision of dr. Daniele Contini.

### **1 Apr 2005 – 31 Mar 2006**

**Research Fellow** at Institute of Atmospheric and Climate Sciences (ISAC) – CNR

*Main Subject:* measurements of momentum, energy and mass turbulent fluxes for aerosol and trace gas in the Boundary Layer with eddy correlation method

*Research Project:* Sviluppo di un Sistema Integrato Modellistica Numerica – Strumentazione e Tecnologia Avanzate per lo Studio e le Previsioni del Trasporto e della Diffusione di Inquinanti in Atmosfera. Project funded by MIUR (Italian Ministry of University, Research and Instruction).

### **1 Mar – 31 Mar 2005**

**Research Assistant** at Institute of Atmospheric and Climate Sciences (ISAC) – CNR

*Main Subject:* project and production of a software to management of measurement instrumentation and data elaboration

*Research Project:* Bilancio dei flussi di micro-inquinanti organici ed inorganici all'interfaccia atmosfera-acqua della laguna di Venezia. Project funded by CORILA with supervision of dr. Daniele Contini.

**15 Jan – 15 Jun 2003**

**Professional Advice**

*Main Subject:* Project and Environmental Impact Evaluation for a Wind Farm

*Committing:* Eolica Energia s.r.l.

**18 Jun – 30 Sept 2002**

**Research Assistant** at Department of Materials Sciences – University of Lecce

*Main Subject:* Project and realisation of a database of Scientific and Naturalistic Collections in the School of Lecce County

*Research Project:* Progetto Finalizzato “Beni Culturali” del CNR with supervision of Prof. L.Ruggiero.

**May 2001**

**Stage** at the Meteorology and Climatology Laboratory of Department of Physic in Ioannina University (Greece) on the supervision of Prof. B.D. Katsoulis.

*Main subject:* study of instruments for meteorological and climate measurement

**19 Dec. 2000 – 19 Dec. 2001**

**Fellowship** at the University of Lecce – Department of Material Sciences

*Main Subject:* project and realisation of a multimedia platform for Environmental Museum: Atmospheric Physic and Climatology.

**19 Jun – 19 Jul 2000**

**Research Assistant** at the University of Lecce - Laboratory of Applied Electronics (Department of Physic)

*Main Subject:* Development diagnostic system to study an electron beam geometry with supervision of Prof. V.Nassisi

## **RELEVANT SKILLS**

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### *Languages*

Mother tongue: Italian

- PET (Primary English Test) certification – Cambridge University - 27/07/2014. Final mark: European Level B2.
- English Course at Centre of English Study in Dublin from 21/08/2006 to 08/09/2006 Final Mark: European Level Intermediate (B1)
- English Course for BULATS (Business Language Testing Service): level A1

### *IT Skills*

- Data Management Software: Matlab, Labview, Surfer, Excel
- Development Software: Fortran, Visual Basic, C++
- Server Scripting: PHP, MySql
- OS: Windows, Linux and MacOS

- Digital Graphic: Adobe PhotoShop, Gimp, 3D Studio Max
- Mechanical design CAD/CAM (SolidWorks, Autodesk Inventor)

## **MAIN RESEARCH INTERESTS**

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My research activity at Ground Based Aerosol Observations group in the Institute of Atmosphere and Climate Science (ISAC - CNR) is focused principally on follow topics:

- Study of vertical turbulent mass fluxes for fine and ultrafine particles, energy and momentum in atmospheric Surface Layer to investigate exchanges between Earth surface and Atmosphere, analysing correlations between different quantities (eddy correlation technique) and their parameterisation in order to describe dispersive characteristics of atmosphere. In this research task atmospheric observations are obtained with micrometeorological stations equipped with ultrasonic anemometer and fast sensors, able to measure both velocity field and concentration fluctuations.
- Nanoparticles concentration measurements and their vertical turbulent fluxes using the eddy correlation technique with a Condensation Particle Counter (CPC). In this way it is possible to study relations between emission, diffusion and transport of gaseous primary pollutants and mechanisms of formation of secondary aerosol.
- Air quality investigations in urban, industrial and rural environments with a mobile laboratory. In this study aerosol dynamics and concentration levels are observed for different size fraction (PM10, PM2.5, PM1) in order to put in evidence the main pollution sources using source apportionment techniques.
- Study of atmospheric data from remote sensing, in particular using spectroscopy DOAS (Differential Optical Absorption Spectroscopy) to obtain a vertical profile of atmospheric gases concentration.

## **PUBLICATIONS**

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Total publications: 38 (ISI-WoS) – 39 (Scopus)

H-Index: 12 (ISI-WoS) - 12 (Scopus)

Total number of citation: 420 (ISI-WoS) – 438 (Scopus)

Total number of citation (excluding self-citation): 338 (ISI-WoS) - 294 (Scopus)

## **REFEREED JOURNAL (JCR)**

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1. **Donateo A.**, Lo Feudo T., Marinoni A., Dinoi A., Avolio E., Merico E., Calidonna C.R., Contini D., Bonasoni P., 2018. *Characterization of in situ aerosol optical properties at three observatories in the Central Mediterranean*. Atmosphere, 9, 369. DOI:10.3390/atmos9100369
2. Conte M., V.Cagnazzo, A.**Donateo**, D.Cesari, F.M.Grasso, D.Contini, 2018. A case study of municipal solid state waste impacts in South areas of Italy. The Open Atmospheric Science Journal 12, pp. 1-13.

DOI: 10.2174/1874282301812010001

3. Contini D., D.Chirizzi, M.R.Guascito, A.Dinoi, L.Giotta, A.**Donateo**, F.M.Grasso, D.Cesari, 2018. *Oxidative potential of PM2.5 and PM10 in an urban background site in Lecce: influence of combustion sources and Saharan dust advection*. Italian Journal of Occupational and Environmental Hygiene 8(4), pp. 160-164.
4. Conte M., A.**Donateo**, D.Contini, 2018. *Characterisation of particle size distributions and corresponding size-segregated turbulent fluxes simultaneously with CO2 exchange in an urban area*. Science of the Total Environment 622–623, pp. 1067–1078.
5. Cesari D., G.E. De Benedetto, P.Bonasoni, M.Busetto, A.Dinoi, E.Merico, D.Chirizzi, P.Cristofanelli, A.**Donateo**; F.M.Grasso, A.Marinoni, A.Pennetta, D.Contini 2018. *Seasonal variability of PM2.5 and PM10 composition and sources in an urban background site in Southern Italy*. Science of Total Environment 612, pp. 202-213.
6. Chirizzi D., D.Cesari, M.R. Guascito, A.Dinoi, L.Giotta, A.**Donateo**, D.Contini 2017. *Influence of Saharan Dust Outbreaks and carbon content on oxidative potential of water-soluble fractions of PM2.5 and PM10*. Atmospheric Environment 163, pp. 1-8
7. **Donateo** A., D.Cava, D.Contini 2017. *Performances of different detrending methods in turbulent fluxes estimations*. Boundary-Layer Meteorology 164 (1), pp.19-37
8. E. Merico, A.Gambaro, A.Argiriou, A.Alebic-Juretic, E.Barbaro, D.Cesari, L.Chasapidis, S.Dimopoulos, A.Dinoi, A.**Donateo**, C.Giannaros, E.Gregoris, A.Karagiannidis, A.G.Konstandopoulos, T.Ivošević, N.Liora, D.Melas, B.Mifka, I.Orlic, A.Poupkou, K.Sarovic, A.Tsakis, R.Giua, T.Pastore, A.Nocioni, D. Contini 2017. *Atmospheric impact of ship traffic in four Adriatic-Ionian port-cities: comparison and harmonization of different approaches*. Transportation Research Part D: Transport and Environment 50, pp. 431- 445.
9. Cesari D., A.**Donateo**, M.Conte, D.Contini. 2016. *Inter-comparison of source apportionment of PM10 using PMF and CMB in three sites nearby an industrial area in central Italy*. Atmospheric Research 182, pp. 282-293.
10. Merico E., A.**Donateo**, A.Gambaro, D.Cesari, E.Gregoris, E.Barbaro, A.Dinoi, G.Giovanelli, S.Masieri, D.Contini 2016. *Influence of in-port ships emissions to gaseous atmospheric pollutants and to particulate matter of different sizes in a Mediterranean harbour in Italy*. Atmospheric Environment 139, pp. 1-10.
11. Contini D., D.Cesari, M.Conte, A.**Donateo**, 2016. *Application of PMF and CMB receptor models for the evaluation of the contribution of a large coal-fired power plant to PM10 concentrations*. Science of Total Environment, 560-561, pp. 131-140.
12. Contini D., Cesari D., **Donateo** A, Conte M. *Inter-comparison of source apportionment of PM10 using PMF and CMB in three sites nearby an industrial area in central Italy*. Atmospheric Research 182, pp. 282-293.
13. Merico E., **Donateo** A., Gambaro A., Cesari D., Gregoris E., Barbaro E., Dinoi A., Giovanelli G., Masieri S., Contini D. *Influence of in-port ships emissions to gaseous atmospheric pollutants and to particulate matter of different sizes in a Mediterranean harbour in Italy*. Atmospheric Environment 139, pp. 1-10.
14. Dinoi A., **Donateo** A., Belosi F., Conte M., Contini D., 2016. *Comparison of atmospheric particle concentration measurements using different optical detectors: potentiality and limits for air quality applications*. Measures. Measurement, 106, pp. 274-282.
15. Cesari D., A.**Donateo**, M. Conte, E. Merico, A. Giangreco, F. Giangreco, D. Contini, 2016. *An inter-comparison of PM2.5 at urban and urban background sites: chemical*

- characterization and source apportionment*. Atmospheric Research 174-175, pp. 106-119.
16. Gregoris E., E.Barbaro, E.Morabito, G.Toscano, **A.Donateo**, D.Cesari, D.Contini, A.Gambaro, 2015. *Impact of maritime traffic on polycyclic aromatic hydrocarbons, metals and particulate matter in Venice*. Environmental Science and Pollution Research. DOI 10.1007/s11356-015-5811-x
  17. Conte M., **Donateo** A., Dinoi A., Belosi F., Contini D., 2015. *Influence of nucleation events on number particles fluxes and size distributions in south-eastern Italy during summer season*. Atmosphere, 6, 942-959; doi:10.3390/atmos6070942.
  18. Contini D., A. Gambaro, Donateo, Cescon P., Cesari D., Merico E., Belosi F., Citron M., 2015. *Inter-annual trend of the direct contribution of ship emissions to PM<sub>2.5</sub> concentrations in Venice (Italy): efficiency of emissions mitigation strategies*. Atmospheric Environment, 102, 183-190.
  19. Contini D., Cesari D., **Donateo** A., Chirizzi D., Belosi F, 2014. *Characterization of PM<sub>10</sub> and PM<sub>2.5</sub> and their metals content in different typologies of sites in south-eastern Italy*. Atmosphere, 5, 435-453; doi:10.3390/atmos5020435.
  20. **Donateo** A. and Contini D., 2014. *Correlation of dry deposition velocity and friction velocity over different surfaces for PM<sub>2.5</sub> and particle number concentrations*. Advanced Meteorology, vol.2014, Article ID 760393, 12 pages. doi:10.1155/2014/760393
  21. **Donateo** A., Gregoris E., Gambaro A., Merico E., Giua R., Nocioni A., Contini D., 2014. *Contribution of harbour activities and ships traffic to PM<sub>2.5</sub>, particle number concentrations and PAHs in a port-city of the Mediterranean Sea (Italy)*. Environmental Science and Pollution Research, 21(15), pp. 9415-9429. doi: 10.1007/s11356-014-2849-0.
  22. Cava D., **A.Donateo**, D.Contini, 2014. *Combined stationarity index for the estimation of turbulent fluxes of scalars and particles in the atmospheric surface layer*. Agricultural and Forest Meteorology, 194, 88-103.
  23. Gregoris E., E.Argiriadis, M.Vecchiato, S.Zambon, **A.Donateo**, D.Contini, R.Piazza, C.Barbante, A.Gambaro, 2014. *Gas-particle distributions, sources and health effects of Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs) and Polychlorinated Naphthalenes (PCNs) in Venice aerosols*. Science of the Total Environment, 476-477, pp.393-405.
  24. P.Paradisi, R.Cesari, **A.Donateo**, D.Contini, P.Allegrini, 2012. *Diffusion scaling in event driven random walks: an application to turbulence*. Report on Mathematical Physics, 60, pp. 205-220.
  25. **Donateo** A., D.Contini, F.Belosi, A.Gambaro, G.Santachiara, D.Cesari, F.Prodi, 2012. *Characterization of PM<sub>2.5</sub> concentrations and turbulent fluxes on a island in the Venice lagoon using high temporal resolution measurements*. Meteorologische Zeitschrift, vol.21, 4, pp.385-398.
  26. P.Paradisi, R.Cesari, **A.Donateo**, D.Contini, P.Allegrini, 2012. *Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence*. Nonlinear Process Geophysics, 19, pp.113-126.
  27. F.Belosi, D.Contini, **A.Donateo**, G. Santachiara, F.Prodi, 2012. *Aerosol size distribution at Nansen Ice Sheet Antarctica*. Atmospheric Research, 107, pp.42-50.
  28. D.Contini, **A.Donateo**, C.Elefante, F.M.Grasso, 2012. *Analysis of particles and carbon dioxide concentrations and fluxes in an urban area: correlation with traffic rate and local micrometeorology*. Atmospheric Environment, 46, pp.25-35.

29. D.Contini, A.**Donateo**, D.Cesari, A.G.Robins, 2011. *Comparison of plume rise models against water tank experimental data for neutral and stable crossflow*. Journal of Wind Engineering and Industrial Aerodynamics, 99, pp.539-553.
30. D.Contini, A.**Donateo**, D.Cesari, F.Belosi, S.Francioso, 2010. *Individuation and characterization of local aerosol sources using high temporal resolution measurements*. Journal of Environmental Monitoring, 12, pp.1709-1721.
31. D. Contini, A.**Donateo**, F. Belosi, F.M.Grasso. G. Santachiara, F.Prodi, 2010. *Deposition velocity of ultrafine particles measured with eddy-correlation method over Nansen Ice Sheet (Antarctica)*. Journal of Geophysical Research, 115, D16202.
32. D. Contini, A. Gambaro, F. Belosi, S. De Pieri, W. Cairns, A. **Donateo**, E. Zanutto, M. Citron, 2011. *Direct influence of ship traffic on atmospheric PM<sub>2.5</sub>, PM<sub>10</sub> and PAHs in Venice*. Journal of Environmental Management, 92, pp. 2119-2129.
33. D. Contini, A. Genga, D. Cesari, M. Siciliano, A. **Donateo**, M.C. Bove, M.R. Guascito, 2010. *Characterization and source apportionment of PM<sub>10</sub> in a background site in Lecce*. Atmospheric Research, 95, pp. 40-54
34. P. Paradisi, R. Cesari, D. Contini, A. **Donateo**, and L. Palatella, 2009. *Characterizing memory in atmospheric time series. An alternative approach based on renewal theory*. The European Physical Journal: Special Topics, 174, pp. 207-218.
35. D.Contini, D.Cesari, A.**Donateo**, A.G.Robins, 2009. *Effects of Reynolds number on stack plume trajectories simulated with small scale models in a wind tunnel*. Journal of Wind Engineering and Industrial Aerodynamics, 97, pp. 468-474.
36. D.Contini, D.Cava, P.Martano, A.**Donateo**, F.M.Grasso, 2009. *Comparison of indirect methods for the estimation of Boundary Layer Height over flat-terrain in a coastal site*. Meteorologische Zeitschrift, vol. 18, n.3, pp. 309-320.
37. F.Prodi, F.Belosi, D.Contini, G.Santachiara, L. Di Matteo, A.Gambaro, A.**Donateo**, D. Cesari, 2009. *Aerosol fine fraction in the Venice lagoon: particle composition and sources*. Atmospheric Research, vol. 92, pp. 141-150.
38. D.Cava, D.Contini, A.**Donateo**, P.Martano, 2008. *Analysis of short-term closure of the surface energy balance above short vegetation*. Agricultural and Forest Meteorology, vol. 148, pp. 82-93.
39. D.Cava, D.Contini, A.**Donateo**, F.Grasso, P.Martano, 2007. *A case study of short term closure of the surface energy balance*. Il Nuovo Cimento, vol.121 B, n.8, pp. 845-855.
40. A.Gambaro, L.Manodori, G.Toscano, D.Contini, A.**Donateo**, F.Belosi, F.Prodi, P. Cescon, 2007. *Organic and Inorganic Compounds in the Venice lagoon PM<sub>2.5</sub> and their correlation with micrometeorology*. Annali di Chimica, vol. 97, pp. 343-358
41. F.Belosi, D.Contini, A.**Donateo**, F.Prodi, 2006. *Measurements of atmospheric aerosol in the Salentum peninsula and its correlation with local meteorology*. Il Nuovo Cimento, vol.29 C, n.4, pp. 473-486.
42. D.Contini, A.**Donateo**, F.Belosi, 2006. *Accuracy of measurements of turbulent phenomena in the Surface Boundary Layer with an ultrasonic anemometer*. Journal of Atmospheric and Oceanic Technology, vol. 23, pp. 785-801.
43. A.**Donateo**, D.Contini, F.Belosi, 2006. *Real time measurements of PM<sub>2.5</sub> concentrations and vertical turbulent fluxes using an optical detector*. Atmospheric Environment, vol. 40, pp. 1346-1360.
44. A.**Donateo**, L. Martina, V. Nassisi, 2001. *Volume and surface photoemission from a niobium target by polarised ultraviolet radiation*. Review of Scientific Instruments, vol. 72 (9), pp.3596-3599.



45. V. Nassisi, A.**Donateo**, L.Martina e G. Raganato, 2000. *Studies of a Nb photocathode illuminated by polarised UV radiation*. *Vuoto XXIX* (1–2), pp. 56-58.

## **INTERNATIONAL CONGRESS PROCEEDINGS**

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1. Dinoi A., K.Weinhold, W.Birmili, A.Wiedensohler, A.**Donateo**, D.Contini. *Study of new particle formation events in Southern Italy*. Proceedings of the European Aerosol Conference (EAC2017), 27 August - 1 September 2017, Zurich (Suisse).
2. Chirizzi D., D.Cesari, M.R.Guascito, A.Dinoi, L.Giotta, A.**Donateo**, D.Contini. *Oxidative potential of water-soluble fractions of PM<sub>2.5</sub> and PM<sub>10</sub> in South-Eastern Italy during advection of African dust*. Proceedings of the European Aerosol Conference (EAC2017), 27 August - 1 September 2017, Zurich (Suisse).
3. M.R. Guascito, D. Cesari, L. Giotta, D. Chirizzi, A. **Donateo**, and D. Contini. Application of XPS technique to the chemical characterization of particulate matter in different size ranges. Poster presented at workshop on TECH-AIR 2016 - Application of Non-Conventional Analytical TECHniques to Atmospheric PartIculate MatteR, 7 November 2016, Lecce (Italy).
4. A.**Donateo**, M.Rinaldi, M.Paglione, S.Sandrini, J.Ovadnevaite, D.Ceburnis, D.Contini. Emission events characterization of marine aerosol in a shoreline site. Poster presented at the European Aerosol Conference (EAC2016), 4-9 September 2016, Tours (France).
5. E.Merico, A.Gambaro, A.Argiriou, A.Alebic-Juretic, E.Barbaro, D.Cesari, S.Dimopoulos, A.Dinoi, A.**Donateo**, E.Gregoris, A.Karagiannidis, T.Ivosevic, N.Liora, D.Melas, B.Mifka, I.Orlic, A.Poupkou, K.Sarovic, D.Contini. Impact of shipping to atmospheric pollutants in four Adriatic-Ionian port-cities. Poster presented at the European Aerosol Conference (EAC2016), 4-9 September 2016, Tours (France).
6. D.Contini, D.Cesari, C.Tortorella, S.Iacobellis, G.Potenza, M.Conte, A. **Donateo**. A methodological approach for evaluating the contribution of coal-fired power plant to atmospheric PM<sub>10</sub> concentrations using PMF and CMB receptor models. Poster presented at the European Aerosol Conference (EAC2016), 4-9 September 2016, Tours (France).
7. M.Conte, A.**Donateo**, F.M.Grasso, D.Contini. Size-segregated particle turbulent fluxes measurements in an urban area in Italy. Abstract presented at the European Aerosol Conference (EAC2016), 4-9 September 2016, Tours (France).
8. D.Cesari, S.Iacobellis, A.**Donateo**, G.Potenza, C.Tortorella, M.Conte, D.Contini. Inter-comparison of PMF and CMB receptor models for PM<sub>10</sub> source apportionment in three sites in central Italy Abstract presented at the European Aerosol Conference (EAC2016), 4-9 September 2016, Tours (France).
9. D.Chirizzi, D.Cesari, M.R.Guascito, A.Dinoi, L.Giotta, A.**Donateo**, D.Contini. Characterization of the oxidative potential of water soluble fraction of atmospheric aerosol and its correlation with carbon concentrations. 6th EnvImeko - IMEKO TC19 Symposium on Environmental Instrumentation and Measurements, June 24-25, 2016, Reggio Calabria, Italy. ISBN: 978-92-990075-2-5.
10. D.Contini, G.E.De Benedetto, P.Bonasoni, M.Busetto, D.Cesari, D.Chirizzi, M.Conte, P.Cristofanelli, A.Dinoi, A.**Donateo**, F.M.Grasso, A.Marinoni, A.Pennetta. *Seasonal trends of natural and anthropogenic sources contributions to PM<sub>2.5</sub> and PM<sub>10</sub> in*

- southern Italy*. Abstract presented at 8th International Workshop on Sand/Duststorms and Associated Dustfall, 1-4 May 2016, Lisbon (Portugal), ISBN:978-989-98342-6-2.
11. **Donateo** A., E.Gregoris, E.Merico, E.Barbaro, A.Gambaro, D. Contini. *Atmospheric impact of ships emissions in two adriatic harbours: Brindisi and Venice*. Extended Abstract presented at the XXXVIII Meeting Italian Section of the Combustion Institute, 20-23 September 2015, Lecce (Italy). doi: 10.4405/38proci2015.XI4.
  12. **Donateo** A., D. Contini, D. Cesari, E. Merico, A. Dinoi, F.M. Grasso. *Impact of ship emissions and harbour activities on gas pollutants and size segregated particles concentrations*. Poster presented at the European Aerosol Conference (EAC2015), 6-11 September 2015, Milano (Italy).
  13. D. Cesari, A. **Donateo**, M. Conte, E. Merico, A. Giangreco, D. Contini. *An inter-comparison of PM<sub>2.5</sub> at urban and urban background sites: chemical characterization and source apportionment*. Abstract presented at the European Aerosol Conference (EAC2015), 6-11 September 2015, Milano (Italy).
  14. Conte M., A. **Donateo**, A. Dinoi, F. Belosi, D. Contini. *Influence of nucleation events on number particles fluxes and size distributions in an urban background area during summer season*. Abstract presented at the European Aerosol Conference (EAC2015), 6-11 September 2015, Milano (Italy).
  15. **Donateo** A., D.Cava, D.Contini. *Performance of different detrending methods in turbulent flux estimation*. Poster. Geophysical Research Abstracts, EGU (European Geosciences Union) General Assembly, 12-17 Aprile, 2015, Vienna (Austria).
  16. D.Contini, A.Gambaro, A.Argiriou, A.Alebic-Juretic, E.Barbaro, D.Cesari, S.Dimopoulos, A.Dinoi, A.**Donateo**, E.Gregoris, A.Karagiannidis, T.Ivosevic, N.Liora, D. Melas, E.Merico, B.Mifka, I.Orlic, A.Poupkou, K.Sarovic. *Impact of maritime transport on particulate matter concentrations and chemical compositions in four port-cities of the Adriatic/Ionian area: an overview of the results of POSEIDON project*. Geophysical Research Abstracts, EGU (European Geosciences Union) General Assembly, 12-17 Aprile, 2015, Vienna (Austria).
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## **NATIONAL CONGRESS PROCEEDINGS**

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5. F.Prodi, F.Belosi, D.Contini, A.**Donateo**, S.Ferrari, P.Masia, G.Santachiara. Misure di concentrazione in tempo reale e valutazione dei flussi verticali turbolenti di PM2.5 nel PBL. Rapporto Annuale per il CORILA nell'ambito del progetto "Bilancio dei flussi di microinquinanti organici ed inorganici all'interfaccia atmosfera-acqua della laguna di Venezia". Dicembre 2005.



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## **INTERESTS**

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Mountain Bike and Trekking  
3D Digital Graphic

Date, 14/11/2018

Antonio Donateo