

## List of Publications

1. Santoro M, Costabile F, Gualtieri M, Rinaldi M, Paglione M, Busetto M, Di Iulio G, Di Liberto L, Gherardi M, Pelliccioni , Monti P, Benassi B, Grollino MG (2024) Associations between fine particulate matter, gene expression, and promoter methylation in human bronchial epithelial cells exposed within a classroom under air-liquid interface. *Environmental Pollution* **358**, 124471.
2. Pini A, Leuzzi G, Pelliccioni A, Querzoli G, Monti P (2024) Laboratory-scale modeling of air velocity and pollutant concentration fields in an amphitheatre classroom. *PHYSMOD 2024 – International Workshop on Physical Modelling of Flow and Dispersion Phenomena*. Lyon, France – August 28-30, 2024.
3. Ravizza Garibaldi G, Di Bernardino A, Leuzzi G, Querzoli G, Monti P (2024) Bottom roughness effects on mixing properties of a gravity current. *PHYSMOD 2024 – International Workshop on Physical Modelling of Flow and Dispersion Phenomena*. Lyon, France – August 28-30, 2024.
4. Ravizza Garibaldi G, Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2024) Measurements of turbulence parameters at a density interface. *10th International Symposium on Environmental Hydraulics - ISEH2024 - 25 - 27 June 2024*, Aberdeen, Scotland.
5. Russo M, Ravanelli R, Pini A, Flenghi G, Martelli L, Monti P, Crespi M (2024) Multimedia photogrammetry 2.0. a first step for underwater cultural heritage application. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLVIII-2/W4-2024 10th Intl. Workshop 3D-ARCH “3D Virtual Reconstruction and Visualization of Complex Architectures”*, 21-23 February 2024, Siena, Italy.
6. Grandoni L, Pini A, Pelliccioni A, Salizzoni P, Mees L, Leuzzi G, Monti P (2024) Numerical dispersion modelling of droplets expired by humans while speaking. *Air Quality, Atmosphere & Health* **17**, 1033-1052.
7. D'Amico A, Currà E, Bergonzoni G, Pini A, Monti P, Confessore G, Rinaldi, D (2023) BIM for Healthy Buildings: an integrated approach to architectural design based on IAQ prediction. In *Transition: challenges and opportunities for the build heritage*, 979-12-81229-02-0.
8. Palusci A, Cecere C, Monti P, Montazeri H, Blocken B (2023) Numerical Investigation of the Impact of Morphological Parameters on Urban Ventilation in Compact Cities. *Environmental Science and Engineering*. Pages 2817 – 28202023. *5th International Conference on Building Energy and Environment*, COBEE 2022Montreal, 25 July 2022 - 29 July 2022. Code 300379.
9. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2023) Turbulent Schmidt number measurements in a density current flowing over surface roughness. *Proceedings PPNW 2023, International Workshop on Physical Processes in Natural Flows*. Brescia, 19-23 June, Italy.
10. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2023) Turbulence Parameters in Stably Stratified Flows Over Surface Roughness: A Laboratory Study. *Atti 15th International Symposium on Particle Image Velocimetry – ISPIV 2023*, June 19–21, 2023, San Diego, California, USA.
11. Grandoni L, Mees L, Grosjean N, Leuzzi G, Monti P, Pelliccioni A, Salizzoni P (2023) Interferometric laser imaging for respiratory droplets sizing. *Experiments in Fluids* **64**:80.
12. Pini A.;Zazzini S.;Bello P.;Monti P.;Leuzzi G. (2022) Numerical investigation of microplastic dispersion in the water column. *2022 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters, MetroSea 2022*, Milazzo Castle, Italy.
13. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2022) On the Lagrangian and Eulerian time scale of turbulence within a two-dimensional array of obstacles. *Boundary-Layer Meteorology* **184**, 375-379.
14. Palusci A, Cecere C, Monti P, Montazeri H, Blocken B (2022) Impact of morphological parameters on urban ventilation in compact cities: The case of the Tuscolano-Don Bosco district in Rome. *Science of The Total Environment* **807**, 150490.
15. Zazzini S, Pini A, Bello P, Monti P, Leuzzi G (2022) 3D pathways and distribution of microplastics in the Ocean Surface Boundary Layer. *EGU General Assembly 2022, Vienna*, 10.5194/egusphere-egu22-9935.
16. Zazzini S, Pini A, Bello P, Monti P, Leuzzi G (2022). Studio della dispersione verticale di microplastiche in ambiente marino. *Atti del XXXVIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche, IDRA 2022*, 4-7 Settembre, Reggio Calabria, Italy.
17. Pini A, Monti P, Leuzzi G, Grandoni L, Pelliccioni A, Seoni A, Querzoli G (2022). Modellazione su scala di laboratorio della circolazione dell'aria e della dispersione di inquinanti in ambienti

- confinati. Atti del XXXVIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche, IDRA 2022, Reggio Calabria, 4-7 Settembre, Italy.
- 18. Bello P, Pini A, Zazzini S, Monti P, Leuzzi G (2022) Discrete multivariate probability distributions of microplastic settling/rising velocity in the marine environment. *IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters, MetroSea 2022 - Proceedings* - (978-1-6654-9942-2).
  - 19. Pini A, Vigilante T, Grandoni L, Leuzzi G, Pelliccioni A, Monti P (2022). Analysis of the influence of geometric and ventilation factors on indoor pollutant dispersion: a numerical study. Atti del 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2022, Aveiro, Portugal.
  - 20. Grandoni L, Pini A, Pelliccioni A, Salizzoni P, Mees L, Leuzzi G, Monti P (2022). Numerical dispersion modelling of the droplets expired by humans. Atti del 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2022, Aveiro, Portugal.
  - 21. Di Bernardino A, Palusci O, Pini A, Leuzzi G, Cacciani M, Pelliccioni A, Monti P (2021) Air Circulation in Urban Areas. In Palme M & Salvati A (Editors), *Urban Microclimate Modelling for Comfort and Energy Studies*, pp: 195-221. Springer Nature Switzerland.
  - 22. Conigliaro E, Monti P, Leuzzi G, Cantelli A (2021) A three-dimensional urban canopy model for mesoscale atmospheric simulations and its comparison with a two-dimensional urban canopy model in an idealized case. *Urban Climate* **37**, 100831.
  - 23. Pelliccioni A, Monti P, et. al. (2020) Integrated Evaluation of Indoor Particulate Exposure: The VIEPI Project. *Sustainability* **12**, 9758.
  - 24. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2020) Eulerian and Lagrangian time scales of the turbulence above staggered arrays of cubical obstacles. *Environmental Fluid Mechanics* **20**, 987-1005.
  - 25. Pini A, Musa I, Monti P, Leuzzi G, Di Bernardino A, Cattani G, Di Menno Di Buccianico A, Gherardi M, Pelliccioni A (2020) Numerical and experimental analysis of flow and particulate matter dispersion in indoor environment. *IOP Conference Series: Earth and Environmental Science* **489**, Article number 012007.
  - 26. Pini A, Grandoni L, Leuzzi G, Monti P, Di Bernardino A, Pelliccioni A, Gherardi M, Cattani G, Di Menno Di Buccianico A (2020) A simplified analytical model of ultrafine particle concentration within an indoor environment. *IOP Conference Series: Earth and Environmental Science* **489**, Article number 012009.
  - 27. De Serio F, Armenio E, Ben Meftah M, Capasso G, Corbelli V, De Padova D, De Pascalis F, Di Bernardino A, Leuzzi G, Monti P, Mossa M, Pini A, Velardo R (2020) Detecting sensitive areas in confined shallow basins. *Environmental Modelling and Software* **126**, 104659.
  - 28. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2020) Turbulent Schmidt number measurements over three-dimensional cubic arrays. *Boundary-Layer Meteorology* **174**, 231-250.
  - 29. Pelliccioni A, Tofful L, Catrambone M, et al. (2019) The integrated evaluation of indoor particulate exposure (viepi) project: main goals and campaign description. Proc. 19th Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 3-6 June, Bruges, Belgium.
  - 30. Pini A, Musa I, Di Bernardino A, et al. (2019) Analysis of the exchange of pollutant and momentum between outdoor and indoor environments. The case of a classroom in the framework of the VIEPI project. Proc. 19th Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 3-6 June, Bruges, Belgium.
  - 31. Di Bernardino A, Pini A, Nardecchia F, Conigliaro E, Monti P, Leuzzi G, Pelliccioni A (2019) Evaluation of ansys-fluent model against field data in the framework of the VIEPI project. Proc. 19th Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 3-6 June, Bruges, Belgium.
  - 32. Di Bernardino A, Monti P, Leuzzi G, Sammartino F, Querzoli G (2019) Turbulent Schmidt number estimate over urban canopies. Proc. 19th Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 3-6 June, Bruges, Belgium.
  - 33. Pini A, Tomassetti P, Matiddi M, de Lucia GM, Bello P, Zazzini S, Leuzzi G, Monti P (2019) Microplastic detection and Lagrangian modelling in the Tyrrhenian Sea. Proceedings of 2019 IMEKO TC-19 International Workshop on Metrology for the Sea, October 3-5, Genoa, Italy.

34. Zazzini S, De Dominicis M, Pini A, Leuzzi G, Monti P, O'Hara Murray R, Li X (2019) Turbulence changes due to a tidal stream turbine operation in the Pentland Firth (Scotland, UK). Proceedings of 2019 IMEKO TC-19 International Workshop on Metrology for the Sea, October 3-5, Genoa, Italy.
35. Salvati A, Monti P, Coch Roura H, Cecere C (2019) Climatic performance of urban textures: analysis tools for a Mediterranean urban context. *Energy and Building* **185**, 162-179.
36. Di Bernardino A, Pelliccioni A, Monti P, Leuzzi G, Querzoli G (2018) Evaluation of parametric laws for computing the wind speed profile in the urban boundary layer. comparison to two-dimensional building water channel experiment. *International Journal of Environment and Pollution* **64**, 4-21.
37. Pini A, Leuzzi G, Monti P, Manfredi M (2018) Modelling of short-term dispersion in the sea surface layer. Proceedings of 2018 IEEE International Workshop on Metrology for the Sea, 8-10 Ottobre, Bari, Italia.
38. Pini A, Tomassetti P, Matiddi M, de Lucia GA, Zampetti G, Lattanzi C, Leuzzi G, Monti P (2018) Microplastic samplings and inverse trajectory recognition in the Mediterranean Sea. Proceedings of 2018 IEEE International Workshop on Metrology for the Sea, 8-10 Ottobre, Bari, Italia.
39. Ravanelli R, Nascetti A, Cirigliano RV, Di Rico C, Leuzzi G, Monti P, Crespi M (2018) Monitoring the impact of land cover change on surface urban heat island through Google Earth Engine: proposal of a global methodology, first applications and problems. *Remote Sensing* **10**, 1488.
40. Pini A, Leuzzi G, Monti P (2018) Modellazione della dispersione di inquinanti galleggianti nella fase iniziale del rilascio. *Atti del XXXVI Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 12-14 Settembre, Ancona, Italia.
41. Di Bernardino A, Mastrangelo M, Monti P, Leuzzi G, Querzoli G (2018) Analisi sperimentale del flusso e della dispersione di traccianti passivi in canopie urbane tridimensionali. *Atti del XXXVI Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 12-14 Settembre, Ancona, Italia.
42. Conigliaro E, Di Bernardino A, Monti P, Leuzzi G (2018) Simulazione numerica dell'evento alluvionale nell'area romana del dicembre 2008. *Atti del XXXVI Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 12-14 Settembre, Ancona, Italia.
43. Pini A, Leuzzi G, Monti P (2018) Statistical analysis of turbulent dispersion in the sea surface layer based on satellite-tracked drifter data. *International Journal of Offshore and Polar Engineering* **28**, 240-247.
44. Nardecchia F, Di Bernardino A, Pagliaro F, Monti P, Leuzzi G, Gugliermetti L (2018) CFD analysis of urban canopy flows employing the V2F model: impact of different aspect ratios and relative heights. *Advances in Meteorology* **2018**, Article ID 2189234.
45. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2018) Pollutant fluxes in two-dimensional street canyons. *Urban Climate* **24**, 80-93.
46. Ravanelli R, Nascetti A, Cirigliano RV, Di Rico C, Monti P, Crespi M (2018) Monitoring urban heat island through Google Earth Engine: potentialities and difficulties in different cities of the united states. Proceedings of ISPRS, Development, Technologies and Applications in Remote Sensing, May 7-10, Beijing, China.
47. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2017) Pollutant removal mechanism in two-dimensional street canyons: a laboratory study. *International Journal of Environment and Pollution* **62**, 291-304.
48. Di Bernardino A, Monti P, Leuzzi G, Sammartino F, Ferrari S (2017) Experimental investigation of turbulence and dispersion around an isolated cubic building. Proc. 18<sup>th</sup> Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 9-12 October, Bologna, Italy.
49. Di Bernardino A, Monti P, Leuzzi G, Sammartino F, Querzoli G (2017) Lagrangian time scales of the turbulence above two-dimensional canopies. Proc. 18<sup>th</sup> Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 9-12 October, Bologna, Italy.
50. Di Bernardino A, Pelliccioni A, Monti P, Leuzzi G, Sammartino F (2017) Performances of parametric laws for computing the wind speed profile in the urban boundary layer. Comparison to two-dimensional building water channel experiment. Proc. of 18<sup>th</sup> Int. Conf. Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 9-12 October, Bologna, Italy.
51. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2017) Water-channel estimation of Eulerian and Lagrangian time scale of the turbulence in idealized two-dimensional urban canopies. *Boundary-Layer Meteorology* **165**, 251-276.
52. Pini A, Grandoni L, Maicu F, De Pascalis F, Leuzzi G, Monti P (2017) Evaluation of Lagrangian time

- scales and turbulent diffusivities by GPS equipped drifters. Proceedings of 2017 EESMS Workshop on Environmental, Energy, and Structural Monitoring Systems, July 24-25, Milan, Italy.
53. Palusci O, Montazeri H, Blocken B, Monti P, Cecere C (2017) Numerical modeling of urban microclimate in a real compact area in the Mediterranean region: impact of urban morphology. *7th European and African Conference on Wind Engineering*, 4-7 July 2017, Liege, Belgium.
  54. Pini A, Leuzzi G, Monti P (2017) Evaluation of horizontal diffusivity in the sea surface layer. Proceedings of Twenty-seventh (2017) International Ocean and Polar Engineering Conference. San Francisco, CA, USA, June 25-30.
  55. Valerio G, Cantelli A, Monti P, Leuzzi G (2017) A modeling approach to identify the effective forcing exerted by wind on a prealpine lake surrounded by a complex topography. *Water Resources Research* **53**, 4036-4052.
  56. Cantelli A, Monti P, Leuzzi G, Valerio G, Pilotti M (2017) Numerical simulations of mountain winds in an alpine valley. *Wind and Structures* **24**, 565-578.
  57. Amicarelli A, Leuzzi G, Monti P, Alessandrini S, Ferrero E (2017) A stochastic Lagrangian micromixing model for the dispersion of reactive scalars in turbulent flows: role of concentration fluctuations and improvements to the conserved scalar theory under non-homogeneous conditions. *Environmental Fluid Mechanics* **17**, 715-753.
  58. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2016) Turbulence properties of the urban boundary layer. *Atti del XXXV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 14-16 Settembre, Bologna, Italia.
  59. Pini A, Leuzzi G, Monti P (2016) Relative dispersion analysis of GLAD surface drifters in the Gulf of Mexico. *Atti del XXXV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 14-16 Settembre, Bologna, Italia.
  60. Valerio G, Pilotti M, Cantelli A, Monti P, Leuzzi (2016) Sensitivity of the basin-scale internal wave structure in a prealpine lake to wind distribution. *Atti del XXXV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 14-16 Settembre, Bologna, Italia.
  61. Palusci O, Montazeri H, Blocken B, Monti P, Cecere C (2016) Numerical modelling of urban microclimate in a compact urban area: a case study for Rome. Proceedings of the XIV Conference of the Italian Association for Wind Engineering, 25-28 September 2016, Terni, Italy.
  62. Valerio G, Pilotti M, Cantelli A, Monti P, Leuzzi G (2016) A coupled atmospheric-lake model to simulate the internal waves structure in a deep, stratified lake. Proc. Of the 19th Workshop on Physical Processes in Natural Waters, Bath, UK, 12-15 July, 2016.
  63. Pelliccioni A, Monti P, Leuzzi G (2016). Wind-speed profile and roughness sublayer depth modelling in urban boundary layers. *Boundary-Layer Meteorology* **160**, 225-248.
  64. Pini A, Leuzzi G, Monti P (2016) Estimates of turbulence parameters from satellite-tracked drifters. Proceedings of 2016 EESMS Workshop on Environmental, Energy, and Structural Monitoring Systems, June 13-14 2016, Bari, Italy.
  65. Armenio E, Ben Meftah M, Bruno MF, De Padova D, De Pascalis F, De Serio F, Di Bernardino A, Mossa M, Leuzzi G, Monti P (2016) Semi enclosed basin monitoring and analysis of meteo, wave, tide and current data. Proceedings of 2016 EESMS Workshop on Environmental, Energy, and Structural Monitoring Systems, June 13-14 2016, Bari, Italy.
  66. Di Bernardino A, De Serio F, Mossa M, Pini A, Leuzzi G, Monti P (2016) Micrometeorological simulations over coastal area using CALMET data. Proceedings of 2016 EESMS Workshop on Environmental, Energy, and Structural Monitoring Systems, June 13-14 2016, Bari, Italy.
  67. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2016) Water channel investigation of flow and dispersion in street canyons. *Atti del 17<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 8-12 May, Budapest, Hungary.
  68. Amicarelli A., Leuzzi G, Monti P, Pepe N, Pirovano G (2015) Lagrangian micromixing modelling of reactive scalar statistics: surface pollutant sources in decaying grid turbulence. *International Journal of Environment and Pollution* **58**, 251-267.
  69. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2015) On the effect of the aspect ratio on flow and turbulence over a two-dimensional street canyon. *International Journal of Environment and Pollution* **58**, 27-38.
  70. Cantelli A, Monti P, Leuzzi G (2015) Numerical study of the urban geometrical representation impact in a surface energy budget model. *Environmental Fluid Mechanics* **15**, 251-273.
  71. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2015) Water-channel study of flow and

- turbulence past a 2D array of obstacles. *Boundary-Layer Meteorology* **155**, 73-85.
72. Amicarelli A, Di Bernardino A, Catalano F, Leuzzi G, Monti P (2015) Analytical solutions of the balance equation for the scalar variance in one-dimensional turbulent flows under stationary conditions. *Advances in Mathematical Physics* **2015**, 424827.
  73. Pelliccioni A, Monti P, Leuzzi G (2015) An alternative wind profile formulation for urban areas in neutral conditions. *Environmental Fluid Mechanics* **15**, 135-146.
  74. Pelliccioni A, Monti P, Leuzzi G (2014) Roughness length parameterisation in urban boundary layers. *International Journal of Environment and Pollution* **55**, 13-21.
  75. Cantelli A, Monti P, Leuzzi G (2014) Development and integration of a subgrid urban surface scheme in a limited area model. *International Journal of Environment and Pollution* **55**, 230-237.
  76. Di Bernardino A, Monti P, Leuzzi G, Querzoli G (2014) A laboratory investigation of flow and turbulence over a two-dimensional urban canopy. Atti del *16<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 8-11 September, Varna, Bulgaria.
  77. Amicarelli A, Leuzzi G, Monti P (2014) Modelling pollutant reactions depending on instantaneous concentrantions: a direct estimation of the segregation coefficient. Atti del *16<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 8-11 September, Varna, Bulgaria.
  78. Di Bernardino A, Monti P, Leuzzi G, Querzoli G, Iannetta S (2014) Simulazione di laboratorio di canopie urbane bidimensionali. Atti del *XXXIV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 7-10 Settembre, Bari, Italia.
  79. Pini A, Leuzzi G, Monti P (2014) Simulazione della dispersione marina di petrolio in caso di sversamenti accidentali da fondo pozzo. Atti del *XXXIV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 7-10 Settembre, Bari, Italia.
  80. Valerio G, Pilotti M, Monti P, Leuzzi G (2014) Effetto della forzante anemologica nei processi di mescolamento e trasporto nel lago di Iseo. Atti del *XXXIV Congresso Nazionale di Idraulica e Costruzioni Idrauliche*, 7-10 Settembre, Bari, Italia.
  81. Monti P, Fernando HJS, Princevac M (2014) Waves and turbulence in katabatic winds. *Environmental Fluid Mechanics* **14**, 431-450.
  82. Monti P, Leuzzi G, Viotti P (2014) An integrated hydrodynamic dispersion modeling system for marine discharge analysis. *Proc. Of the 7<sup>th</sup> Int. Symp. On Environmental Hydraulics*, 7-9 January, Singapore.
  83. Leuzzi G, Monti P, Panebianco A, Molinaro A (2014) Numerical simulation of oil spill blowout episodes in the Adriatic Sea. *Proc. Of the 7<sup>th</sup> Int. Symp. On Environmental Hydraulics*, 7-9 January, Singapore.
  84. Leuzzi G, Monti P, Pelliccioni A, Gariazzo G (2013) Modelling of fluctuating concentration fields in complex industrial areas. Atti del *15<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 6-9 May, Madrid, Spain.
  85. Cantelli A, Monti P, Leuzzi G (2013) Development and application of a subgrid urban surface scheme over a wide metropolitan area in a limited area model. Atti del *15<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 6-9 May, Madrid, Spain.
  86. Pelliccioni A, Monti P, Leuzzi G (2013) On the role of the roughness length in urban boundary layers. Atti del *15<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 6-9 May, Madrid, Spain.
  87. Leuzzi G, Monti P, Purini R (2013) The dispersion of passive tracers in marine environment: a case study for the Tyrrhenian Sea. *Bollettino Geofisico* **36**, 53-62.
  88. De Serio F, Leuzzi G, Monti P, Mossa M, Manzi C (2012) Misure di turbolenza delle correnti costiere con profilatori acustici ad effetto Doppler. *XXIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Brescia, 10-15 Settembre 2012.
  89. Monti P, Leuzzi G, Iannetta S (2012) Potenziale energetico delle correnti marine nell'Arcipelago della Maddalena. *XXIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Brescia, 10-15 Settembre 2012.
  90. Amicarelli A, Leuzzi G, Monti P (2012) Lagrangian micromixing models for concentration fluctuations: an overview. *American Journal of Environmental Sciences* **8**, 577-590.
  91. Cantelli A, Leuzzi G, Monti P, Viotti P (2012) An inverse modelling approach for estimating

- vehicular emissions in urban coastal areas of the Messina Strait. *International Journal of Environment and Pollution* **50**, 274-282.
92. Amicarelli A, Salizzoni P, Leuzzi G, Monti P, Soulac L, Cierco F-X, Leboeuf F (2012) Sensitivity analysis of a concentration fluctuation model to dissipation rate estimates. *International Journal of Environment and Pollution* **48**, 164-173.
  93. De Dominicis M, Leuzzi G, Monti P, Pinardi N, Poulain P-M (2012) Eddy diffusivity derived from drifter data for dispersion model applications. *Ocean Dynamics* **62**, 1381-1398.
  94. Pelliccioni A, Monti P, Gariazzo C, Leuzzi G (2012) Some characteristics of the urban boundary layer above Rome, Italy, and applicability of the Monin-Obukhov similarity. *Environmental Fluid Mechanics* **12**, 405-428.
  95. Leuzzi G, Amicarelli A, Monti P, Thomson DJ (2012) A 3D Lagrangian dispersion model LAGFLUM and its validation with a wind tunnel experiment. *Atmospheric Environment* **54**, 117-126.
  96. Cantelli A, Monti P, Leuzzi G (2011) An investigation of the urban heat island of Rome through a canyon based subgrid scheme. *International Journal of Environment and Pollution* **47**, 239-247.
  97. Sannino G, Bargagli A, Carillo A, Caiaffa E, Lombardi E, Monti P, Leuzzi G (2011) Valutazione del potenziale energetico del moto ondoso lungo le coste italiane. Report Ricerca Sistema Elettrico: RdS/2011/151.
  98. Amicarelli A, Leuzzi G, Monti P, Thomson DJ (2011) LAGFLUM, a stationary 3D Lagrangian stochastic numerical micromixing model for concentration fluctuations: validation in canopy turbulence, on the MUST wind tunnel experiment. *International Journal of Environment and Pollution* **47**, 317-325.
  99. Cantelli A, Monti P, Leuzzi G (2011) The role of geometric factors in urban canyon modeling: new parameterizations and sensitivity analysis. Atti del 14<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 2-6 October, Kos, Greece.
  100. Cantelli A, Leuzzi G, Monti P, Viotti P, Villanova M, Majetta S (2011) An inverse modeling method to identify vehicular emissions in urban complex areas. Atti del 14<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 2-6 October, Kos, Greece.
  101. Pelliccioni A, Monti P, Gariazzo C, Leuzzi G (2011) Wind profiles in urban area. Atti del 14<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 2-6 October, Kos, Greece.
  102. De Serio F, Leuzzi G, Monti P, Mossa M (2011) Profile measurements of turbulence properties in coastal currents using acoustic doppler methods. Proc. VII Int. Symp. On Stratified Flows, 22-26 Agosto, Roma, Italia.
  103. Purini R, Monti P, Leuzzi G, Ingegneri A (2011) Mixing process in a weakly stratified ocean: a case study for the Terra Nova Bay (Antarctica) Polynia. Proc. VII Int. Symp. On Stratified Flows, 22-26 Agosto, Roma, Italia.
  104. Monti P, Fernando HJS, Princevac M (2011) Waves and Turbulence contribution to stratified turbulence in katabatic flows. Atti del VII Int. Symp. On Stratified Flows, 22-26 Agosto, Roma, Italia.
  105. Amicarelli A, Leuzzi G, Monti P, Thomson DJ (2011) A comparison between IECM and IEM Lagrangian models. *International Journal of Environment and Pollution* **44**, 324-331.
  106. Petenko I, Mastrantonio G, Viola A, Argentini S, Coniglio L, Monti P, Leuzzi G (2011) Local circulation diurnal patterns and their relationship with large-scale flows in a coastal area of the Tyrrhenian Sea. *Boundary-Layer Meteorology* **139**, 353-366.
  107. De Dominicis M, Leuzzi G, Monti P, Pinardi N, Poulain J-M (2010) Lagrangian properties in the northwestern Mediterranean Sea as computed from satellite-tracked drifters data (2007-2009). Atti del XXXII Convegno Nazionale di Idraulica e Costruzioni Idrauliche, 14-17 Settembre, Palermo, Italia.
  108. Monti P, Leuzzi G (2010) Lagrangian models of dispersion in marine environment. *Environmental Fluid Mechanics* **10**, 637-656.
  109. Cantelli A, Monti P, Leuzzi G (2010) Influence of the urban heat island parameterization on precipitation forecasting in limited area model. Atti del 6th International Symposium on Environmental Hydraulics, Athens, Greece, 23-25 June. Environmental Hydraulics - Christodoulou & Stamou (eds), Taylor & Francis Group, London.
  110. Cantelli A, Monti P, Leuzzi G, Failla F (2010) Sensitivity of an urban sub-grid scheme to the

- canyons orientations over a wide metropolitan area. Atti del *13<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 1-4 June, Paris, France.
111. Amicarelli A, Salizzoni P, Monti P, Leuzzi G, Soulhac L, Cierco F.X (2010) Modelling concentration fluctuations in a turbulent boundary layer: sensitivity of a Lagrangian model to dissipation rate estimates. Atti del *13<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 1-4 June, Paris, France.
112. Leuzzi G, Balczo M, Amicarelli A, Monti P, Eichorn J, Thomson DJ (2010) Street canyon concentration estimation coupling the RANS model MISKAM and the micromixing Lagrangian model LAGFLUM. Atti del *13<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 1-4 June, Paris, France.
113. Pelliccioni A, Gariazzo C, Monti P, Leuzzi G (2010) A novel wind profile formulation for neutral conditions in urban environment', Atti del *13<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 1-4 June, Paris, France.
114. De Dominicis M, Leuzzi G, Monti P, Pinardi, N (2010) Lagrangian properties as derived from drifter data for oil spill model applications in the Mediterranean Sea. Atti del *First European IAHR Congress*, 4<sup>th</sup>-6<sup>th</sup> May, Edinburgh, UK.
115. Manenti S, Leuzzi G, Monti P, Cerquarelli V (2010) Wind-wave indcasting on offshore wind turbine through couplet atmospheric and spectral models. *12<sup>th</sup> Biennal ASCE Aerospace Division International Conference*, 14-17 March, Honolulu, HI.
116. Leuzzi G, Monti P, Amicarelli A (2010) An urban scale model for pollutant dispersion in Rome. *International Journal of Environment and Pollution* **40**, 85-93.
117. Giorgilli M, Moroni M, Monti P, Cenedese C (2009) Interaction between slope flows and an urban heat islands. *Advances in Turbulence XII*, Part 8, 537-540.
118. Cenedese A, Giorgilli M, Monti P, Moroni M (2009) Experimental investigation of the interaction between slope flows and urban heat islands via image analysis and techniques. *PHISMOD 2009, Int. Work. On Physical Modelling of Flow and Dispersion Phenomena*, August 24-26, von Karman Institute for Fluid Dynamics, Sint-Genesius-Rode, Belgium.
119. Amicarelli A, Leuzzi G, Monti P, Thomson DJ (2009) LAGFLUM: 3D Lagrangian model for concentration fluctuations. *European Association for the Science of Air Pollution* **67**, 3-21, EURASAP.
120. Monti P, Leuzzi G (2008) Lagrangian models of dispersion in marine environment. Proc. of the *2<sup>nd</sup> International Symposium on Shallow Flows*, December 10-12, Hong Kong, China.
121. Cantelli A, Monti P, Leuzzi G (2008) A subgrid surface scheme for the analysis of the urban heat island of Rome. *Croatian Meteorological Journal* **43**, 354-358.
122. Amicarelli A, Leuzzi G, Monti P, Thomson DJ (2008) A stationary 3D Lagrangian stochastic numerical model for concentration fluctuations. *Croatian Meteorological Journal* **43**, 387-391.
123. Amicarelli A, Leuzzi G, Monti P (2008) Un modello lagrangiano per il calcolo delle fluttuazioni della concentrazione. Atti del *XXXI Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Perugia, 9-12 Settembre.
124. Monti P, Leuzzi G (2008) Un modello lagrangiano per la stima della dispersione di inquinanti nel Mar Tirreno. Atti del *XXXI Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Perugia, 9-12 Settembre.
125. Querzoli G, Monti P, Cenedese A (2008) Image analysis applied to the study of mixing in a stably stratified shear layer. *Experiments in Fluids* **45**, 633-642.
126. Mastrantonio G, Petenko I, Viola A, Argentini S, Coniglio L, Monti P, Leuzzi G (2008) Influence of the Synoptic Circulation on the Local Wind Field in a Coastal Area of the Tyrrhenian Sea. IOP Conference, Ser.: *Earth and Environmental Science* **1**, 012049.
127. Leuzzi G, Monti P (2007) The coupling of POM with a Lagrangian, first order, autoregressive dispersion model. Proc. of the *5<sup>th</sup> Int. Symposium of Environmental Hydraulics*, December 4-7, 2007, Tempe, Arizona.
128. Monti P, Querzoli G, Cenedese A, Piccinini S (2007) Mixing properties of a stably stratified parallel shear layer. *Physics of Fluids* **19**, 085104.
129. Querzoli G, Monti P, Cenedese A (2007) Image analysis applied to the study of mixing properties of a stably stratified shear layer. Proc. of the *7<sup>th</sup> International Symposium on Particle image velocimetry*, 11-14 September 2007, Rome, Italy.

130. Amicarelli A, Leuzzi G, Monti P (2007) A numerical Lagrangian model of concentration fluctuations. Proc. of the *11<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 2-5 July 2007, Cambridge, England.
131. Baliva P, Monti P, Leuzzi G (2007) Air pollution dispersion within an urban environment. Proc. of the *11<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 2-5 July 2007, Cambridge, England.
132. Amicarelli A, Ferrucci M, Leuzzi G, Monti P (2006) Un modello numerico per la previsione delle dispersione di inquinanti nella città di Roma. Atti dei Convegni Lincei, Vol. 227, *XXIII Giornata dell'Ambiente "Qualità dell'Aria nelle Città Italiane"*, Accademia dei Lincei, Roma.
133. Ferrera A, Monti P, Leuzzi G (2006) Variazione stagionale dei regimi di brezza nella regione Lazio. Atti dei Convegni Lincei, Vol. 227, *XXIII Giornata dell'Ambiente "Qualità dell'Aria nelle Città Italiane"*, Accademia dei Lincei, Roma.
134. Cenedese A, Monti P, Corsanici C, Marchetti M (2006) Interazione tra isole di calore urbane e correnti di pendio. Atti del *XXX Convegno di Idraulica e Costruzioni Idrauliche*, 10-15 Settembre, Roma, Italia.
135. Monti P, Querzoli G, Cenedese C, Accettola C, Sammartino F (2006) Mescolamento turbolento in un flusso parallelo stabilmente stratificato. Atti del *XXX Convegno di Idraulica e Costruzioni Idrauliche*, 10-15 Settembre, Roma, Italia.
136. Amicarelli A, Ferrucci M, Leuzzi G, Monti P (2005) An urban scale study of pollutant dispersion in Rome. Proc. of the *10<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 17-20 October 2005, Greece.
137. Ferrera A, Monti P, Leuzzi G (2005) On the seasonal variation of the sea breeze characteristics on the roman area. Proc. of the *10<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 17-20 October 2005, Greece.
138. Monti P, Querzoli G, Cenedese A (2005) Mixing Properties of a Stably Stratified Parallel Shear Layer. Proc. of the *4<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics*, 19-22 Settembre, Cairo, Egypt.
139. Monti P, Leuzzi G (2005) A Numerical Study of Mesoscale Airflow and Dispersion over Coastal Complex Terrain. *International Journal of Environment and Pollution* **25**, 239-250.
140. Cenedese A, Capriati A, Monti P (2004) Studio di Laboratorio sulla Dinamica delle Correnti di Pendio. Atti del *XXIX Convegno di Idraulica e Costruzioni Idrauliche*, 7-10 Settembre, Trento, Italia.
141. Monti P, Querzoli G, Piccinini S, Cenedese A (2004) Studio di Laboratorio delle Onde di Kelvin-Helmholtz. Atti del *XXIX Convegno di Idraulica e Costruzioni Idrauliche*, 7-10 Settembre, Trento, Italia.
142. Cenedese A, Monti P (2004) The Proper Orthogonal Decomposition in the Analysis of a Laboratory Simulation of Land- and Sea-Breeze Regimes. *Journal of Fluid Mechanics* **510**, 1-28..
143. Princevac M, Fernando HJS, Monti P (2004) On Quantifying Waves and Turbulence Contributions to Momentum and Buoyancy Transport in Katabatic Flows. *11<sup>th</sup> Conference on Mountain Meteorology and Map Meeting 2004*, 21-25 June 2004, Mount Washington Valley, NH.
144. Leuzzi G, Monti P (2004) Numerical Modelling of Flow and Dispersion in Rome Area. Proc. of the *9<sup>th</sup> International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 1-4 June 2004, Garmisch, Germany.
145. Cenedese A, Monti P (2004) Interaction of the Sea Breeze with Inland Urban Heat Islands of Different Intensities. Proc. of the *10<sup>th</sup> Asian Congress of Fluid Mechanics (ACMFMX)*, 17-21 May 2004, Peradeniya, Sri Lanka.
146. Cenedese A, Monti P (2003) Interaction between an Inland Urban Heat Island and a Sea Breeze Flow: a Laboratory Study. *Journal of Applied Meteorology* **42**, 1569-1583.
147. Adduce C, Monti P, Cenedese A (2003) Analisi di Laboratorio del Flusso di Brezza. *Giornata di Studio Dedicata a Lucio Taglialatela*, 24 Maggio 2002, Napoli. Gruppo Nazionale Difesa Catastrofi Idrogeologiche, Pubblicazione n° 2811.
148. Cenedese A, Festa DC, Leuzzi G, Monti P (2002) Componente Atmosfera: Alterazioni Chimico-Fisiche. In: *Studi di Impatto Ambientale nel Settore dei Trasporti*, edito dal Ministero dell'Ambiente e della Tutela del Territorio. Poligrafico dello Stato.
149. Princevac M, Monti P, Fernando HJS, Kowalewski TA, Pardyjak ER (2002) Turbulence and Mixing in the Nocturnal Boundary Layer Over a Slope - VTMX Field Program Results. Proc. of the *10<sup>th</sup> Conference on Mountain Meteorology and Map Meeting 2002*, 13-21 June 2002, Park City, UT.

150. Monti P, Cenedese A, Ciotti F, Marchetti M (2002) Interazione tra Isole Urbane di Calore e Brezze di Mare. Atti del *XXVIII Convegno di Idraulica e Costruzioni Idrauliche*, 16-19 Settembre, Potenza, Italia.
151. Monti P, Fernando HJS, Princevac M, Chan WC, Kowalewski TA, Pardyjak ER (2002) Observation of Flow and Turbulence in the Nocturnal Boundary Layer Over a Slope. *Journal of the Atmospheric Sciences* **59**, 2513-2534.
152. Pardyjak ER, Monti P, Fernando HJS (2002) Flux Richardson Number Measurements in Stable Atmospheric Shear Flows. *Journal of Fluid Mechanics* **459**, 307-316.
153. Kowalewski TA, Monti P, Chan WC, Princevac M, Fernando HJS (2001) Vertical Transport and Mixing in the Salt-Lake Basin. Proc. of the *2001 Int. Symp. On Environmental Hydraulics*, December 5-8, Tempe, Arizona, USA.
154. Princevac M, Fernando HJS, Chan WC, Kowalewski TA, Monti P, Anderson J (2001) Slope Flow Measurements During Vertical Transport and Mixing (VTMX) Field Experiments, Salt Lake City, 2000. Proc. of the *2001 Int. Symp. On Environmental Hydraulics*, December 5-8, Tempe, Arizona, USA.
155. Cenedese A, Monti P (2001) A Laboratory Experiment on the Interaction Between Urban Heat Islands and Sea Breeze Flows. Proc. of the 2001 Int. Symp. On Environmental Hydraulics, December 5-8, Tempe, Arizona, USA.
156. Monti P, Cenedese A, Marchetti M (2000) Una Simulazione di Laboratorio dei Regimi di Brezza di Mare e di Terra. Atti del XXVII Convegno di Idraulica e Costruzioni Idrauliche, 12-15 Settembre, Genova, Italia.
157. Cenedese A, Monti P, Sammartino F (2000) Laboratory Analysis of Sea Breeze Front Dynamics By Laser Induced Fluorescence Technique. Proc. of the *9<sup>th</sup> Int. Symp. On Flow Visualization*, August 22-25, Edinburgh, Scotland, UK.
158. Cenedese A, Miozzi M, Monti P (2000) A Laboratory Investigation of Land and Sea Breeze Regimes. *Experiments in Fluids* **29**, 291-299.
159. Monti P, Leuzzi G (1999) Numerical Investigation of Flow and Dispersion in Presence of Urban Heat Island. Proc. of the *4<sup>th</sup> Int. Cong. on Energy, Environment and Technological Innovation*, September 20-24, Rome, Italy.
160. Cenedese A, Miozzi M, Monti P (1999) A Laboratory Investigation of Land and Sea Breeze Regimes. Proc. of the *Third Inter. Workshop on PIV'99*, Santa Barbara, CA.
161. Romano GP, Lalli F, Monti P, Papili A (1999) Experimental Investigation of Fluid-Particle Oscillating Flows. Proc. of the *Ninth Int. Offshore and Polar Engineering Conference*, May 30-June 4, Brest, France. ISBN 1-880653-39-7.
162. Cenedese A, Leuzzi G, Monti P, Querzoli G (1998) Results from Italian datasets', In *COST Action 710 – Final Report of 'Harmonisation of the pre-processing of meteorological data for atmospheric dispersion models – WG3: Vertical profiles of wind, temperature and turbulence*. ed. by B.E.A. Fisher et al. Directorate-General Science, Research and Development, pp 67-83.
163. Leuzzi G, Monti P (1998) Particle Trajectory-Simulation of Dispersion Around a Building. *Atmospheric Environment* **32**, 203-214.
164. Cenedese A, Leuzzi G, Monti P (1997) On the Estimation of the Boundary Layer Parameters in Presence of Breeze. Proc. of the *2<sup>nd</sup> European & African Conference on Wind Engineering*, June 22-26, Genova, Italy.
165. Cenedese A, Leuzzi G, Monti P, Purgotti G (1997) Simulazione Numerica del Campo Fluidodinamico in Presenza di Orografia Complessa. Atti del *Congresso Andis 1997*, 3-7 Giugno, Ravello, Italia.
166. Leuzzi G, Monti P (1997) Breeze Analysis By Mast and Sodar Measurements. *Il Nuovo Cimento C* **20**, 343-359.
167. Monti P, Leuzzi G (1996) A Closure to Derive a Three-Dimensional Well-Mixed Trajectory-Model for Non-Gaussian, Inhomogeneous Turbulence. *Boundary-Layer Meteorology* **80**, 311-331.
168. Cenedese A, Mammetti M, Monti P (1996) Wavelets Transform for the Analysis of Meteorological Time Histories., Proc. of the *4<sup>th</sup> Workshop on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, 6-9 May, Oostende, Belgium.
169. Leuzzi G, Monti P (1996) Modelli di Dispersione di Inquinanti: Applicazione al Caso Della Dispersione in Prossimità di un Edificio. *Annali di Igiene* **8**, 147-157.

170. Leuzzi G, Monti P (1995) A Comparison Between Lagrangian Particle Models of Dispersion in Inhomogeneous Turbulence. *Excerpta* **9**, 181-197.
171. Cardona A, Casonato M, Leuzzi G, Monti P (1995) Studio di un Sistema Esperto di Monitoraggio del Microclima Per una Più Efficace Gestione di un Impianto di Termocombustione di Rifiuti Ospedalieri. *Informatica ed Enti Locali* **2**, 30-34.
172. Cenedese A, Leuzzi G, Monti P (1995) Decision Maker System for Solid Waste Incinerator. Proc. of the '95 Sino-Italian Symposium on Incinerator Technology of Hazardous Waste, 2-4 March, Beijing, China.
173. Leuzzi G, Monti P (1994) Simulazione Numerica della Dispersione di Inquinanti in Ambienti Confinati. *Annali di Igiene* **6**, 181-188.
174. Monti P (1994) *Modelli Lagrangiani per il Calcolo Della Dispersione Turbolenta*. Tesi di Dottorato di Ricerca in Ingegneria Sanitaria, Biblioteca Nazionale di Roma - Biblioteca Nazionale di Firenze.
175. Cenedese A, Leuzzi G, Monti P (1994) Effects Produced By Velocity Covariance on a Lagrangian Model of Dispersion Over Obstacles. In *Stably Stratified Flows: Flow and Dispersion over Topography*, ed. by I.P. Castro and N.J. Rockliff, Clarendon Press, Oxford, pp. 291-300. ISBN 0198536984.
176. Cenedese A, Leuzzi G, Monti P (1993) Dispersione di Inquinanti in Prossimità di un Rilevato Stradale. Atti del 1° Convegno Nazionale Progetto Finalizzato Trasporti 2 - CNR, 19-21 Ottobre, Roma, Italia.
177. Cenedese A, Monti P, Sallusti M (1993) PIV: A Numerical Simulation. *SPIE, The International Society for Optical Engineering - Laser Anemometry Advances and Applications* **2052**, 493-500. Washington, USA.
178. Leuzzi G, Monti P (1993) Dispersione di Inquinanti in Ambienti Confinati. Atti del Congresso Biennale ANDIS '93, 21-23 Settembre, Palermo.
179. Cenedese A, Leuzzi G, Monti P (1992) Modelli Previsionali di Trasporto e Diffusione di Inquinanti. Atti del 2° Convegno in terra d'Otranto "L'inquinamento dell'Aria", 22-24 Ottobre, Lecce, Italia.
180. Cenedese A, Leuzzi G, Monti P (1992) Two Dimensional Lagrangian Model to Evaluate Pollutant Dispersion Over a Hill in the Neutral Boundary Layer. Proc. of the 2nd International Congress on Energy, Environment and Technological Innovation, 12-16 October, Roma, Italy.
181. Cenedese A, Leuzzi G, Monti P (1992) Lagrangian Model For Traffic Pollutant Dispersion Analysis. Atti del 1° Simposio Italo-Brasiliano di Ingegneria Sanitaria-Ambientale, 29/3-3/4, Rio de Janeiro, Brasil.