

1. Perrino, C., Catrambone, M., Farao, C., Salzano, R., Esposito, G., Giusto, M., Montagnoli, M., Marini, A., Brinoni, M. Simonetti, G. & Canepari, S. (2015). Improved Time-Resolved Measurements of Inorganic Ions in Particulate Matter by PILS-IC Integrated with a Sample Pre-Concentration System. *Aerosol Science and Technology*, 49(7), 521-530. (CiteScore 2018: 2.35).
2. Sowlat, M. H., Wang, D., Simonetti, G., Shafer, M. M., Schauer, J. J., Sioutas, C. (2016). Development and field evaluation of an online monitor for near-continuous measurement of iron, manganese, and chromium in coarse airborne particulate matter (PM). *Aerosol Science and Technology*, 50(12), 1306-1319. (CiteScore 2018: 2.35).
3. Canepari, S., Simonetti, G., Perrino, C. (2017). Mass size distribution of particle-bound water. *Atmospheric Environment*, 165, 46-56. (CiteScore 2018: 4.54)
4. Costabile, F., Alas, H. Aufderheide, M. Avino, P., Amato, F. Argentini, S. Barnaba, F. Berico, M. Bernardoni, V. Biondi, R. Calzolai, G. Canepari, S. Casasanta, G. Ciampichetti, S. Conidi, A. Cordelli, E. Ianni, A.D. Liberto, L.D. Facchini, M.C. Facci, A. Frasca, D. Gilardoni, S. Grollino, M.G. Gualtieri, M. Lucarelli, F. Malaguti, A. Manigrasso, M. Montagnoli, M. Nava, S. Padoan, E. Perrino, C. Petralia, E. Petenko, I. Querol, X. Simonetti, G. Tranfo, G., Ubertini, S. Valli, G. Valentini, S. Vecchi, R. Volpi, F. Weinhold, K. Wiedensholer, A. Zanini, G. Gobbi, G.P (2017). First results of the "Carbonaceous aerosol in Rome and Environs (CARE)" experiment: Beyond current standards for PM10. *Atmosphere*, 8(12), 249. (CiteScore 2018: 2.27).
5. Simonetti, G., Conte, E., Perrino, C., Canepari, S. (2018). Oxidative potential of size-segregated PM in an urban and an industrial area of Italy. *Atmospheric environment*, 187, 292-300. (CiteScore 2018: 4.54).
6. Simonetti, G., Conte, E., Massimi, L., Frasca, D., Perrino, C., Canepari, S. (2018). Oxidative potential of particulate matter components generated by specific emission sources. *Journal of Aerosol Science*, 126, 99-109. (CiteScore 2018: 2.33).
7. Simonetti, G., Frasca, D., Marcoccia, M., Farao, C., Canepari, S. (2018). Multi-elemental analysis of particulate matter samples collected by a particle-into-liquid sampler. *Atmospheric Pollution Research*, 9(4), 747-754. (CiteScore 2018: 3.33).
8. Frasca, D., Marcoccia, M., Tofful, L., Simonetti, G., Perrino, C., Canepari, S. (2018). Influence of advanced wood-fired appliances for residential heating on indoor air quality. *Chemosphere*, 211, 62-71. (CiteScore 2018: 5.34).
9. Buiarelli, F., Bernardini, F., Di Filippo, P., Riccardi, C., Pomata, D., Simonetti, G., Risoluti, R. (2018). Extraction, purification, and determination by HPLC of Quercetin in Some Italian Wines. *Food analytical methods*, 11(12), 3558-3562. (CiteScore 2018: 2.48).
10. Buiarelli, F., Di Filippo, P., Pomata, D., Riccardi, C., Simonetti, G. (2018). A rapid method for the determination of levoglucosan in NIST standard reference material 1649a by HPLC-MS/MS. *Atmospheric environment*, 195, 24-29. (CiteScore 2018: 4.54).
11. Buiarelli, F., Di Filippo, P., Massimi, L., Pomata, D., Riccardi, C., Simonetti, G., & Sonego, E. (2019). Ultrafine, fine and coarse airborne particle mass concentration in workplaces. *Atmospheric Pollution Research*. <https://doi.org/10.1016/j.apr.2019.06.009>
12. Pomata, D., Di Filippo, P., Riccardi, C., Rossi, V., Simonetti, G., Sonego, E., & Buiarelli, F. (2019). Method optimisation for the simultaneous determination of legacy and emerging halogenated flame-retardants in particulate matter collected in an electronic waste recycling facility. *International Journal of Environmental Analytical Chemistry*, 1-18.
13. Costabile, F., Gualtieri, M., Canepari, S., Tranfo, G., Consales, C., Grollino, M. G., Simonetti, G. (2019). Evidence of association between aerosol properties and in-vitro cellular oxidative response to PM1,

- oxidative potential of PM2.5, a biomarker of RNA oxidation, and its dependency on combustion sources. *Atmospheric Environment*, 213, 444–455 (CiteScore 2018: 4.54).
- 14. Buiarelli, F., Sonego, E., Uccelletti, D., Bruni, E., Di Filippo, P., Pomata, D., Simonetti, G. (2019). Determination of the main bioaerosol components using chemical markers by liquid chromatography–tandem mass spectrometry. *Microchemical Journal*, 149, 103974. (CiteScore 2018: 3.14).
 - 15. Buiarelli, F., Bernardini, F., Simonetti, G., Di Filippo, P., Pomata, D., Riccardi, C., Risoluti, R. (2019). A Rapid and Accurate Method for the Determination of Methylxanthines in Different Nervous System Stimulant Beverages. *Journal of AOAC International*, 102(3), 865-871. (CiteScore 2018: 1.18).
 - 16. Manigrasso, M.; Simonetti, G.; Astolfi, M.L.; Perrino, C.; Canepari, S.; Protano, C.; Antonucci, A.; Avino, P.; Vitali, M. Oxidative Potential Associated with Urban Aerosol Deposited into the Respiratory System and Relevant Elemental and Ionic Fraction Contributions. *Atmosphere* 2020, 11(1), 6; <https://doi.org/10.3390/atmos11010006>.
 - 17. Bruni, E., Simonetti, G., Bovone, B., Casagrande, C., Castellani, F., Riccardi, C., Di Filippo, P., Pomata, D., Sonego, E., & Uccelletti, D. (2020). Evaluation of Bioaerosol Bacterial Components of a Wastewater Treatment Plant Through an Integrate Approach and In Vivo Assessment. *International Journal of Environmental Research and Public Health*, 17(1), 273.
 - 18. Massimi L., Canepari S., Pomata D., Riccardi C., Di Filippo P., Dr. Buiarelli F., Astolfi M.L., Simonetti G., Ristorini M. Individuation of Alternative Biomass Burning Tracers through Spatially-resolved Analyses of PM10 in an Urban and Industrial Hot-spot of Central Italy. *Atmospheric Research*, 104904.
 - 19. Di Filippo P., Pomata D., Riccardi C., Buiarelli F., Castellani, F., Calitri G., Simonetti G., Sonego E., Bruni, E., Uccelletti, D. Concentrations of bacteria and bacterial and fungal spores calculated from chemical tracers associated with size-segregated aerosol in a composting plant. *Air Quality, Atmosphere & Health* DOI: 10.1007/s11869-020-00802-0
 - 20. Riccardi C., Buiarelli F., Castellani, F., Di Filippo P., Lorini L., Majone M., Matos M., Pomata D., Simonetti G., Ferreira B.S., Valentino F. (2020). Polychlorinated Biphenyl Profile in Polyhydroxy-alkanoates Synthesized from Urban Organic Wastes. *Polymers*, 12(3), 659.
 - 21. Simonetti, G., Di Filippo, P., Riccardi, C., Pomata, D., Sonego, E., & Buiarelli, F. (2020). Occurrence of Halogenated Pollutants in Domestic and Occupational Indoor Dust. *International Journal of Environmental Research and Public Health*, 17(11), 3813.
 - 22. Simonetti G., Buiarelli F., Castellani F., Di Filippo P., Pomata D., Riccardi C. Determination of Mancozeb, a Pesticide Used Worldwide in Agriculture: Comparison among GC, LC, and CE Current Analytical Chemistry 16 (8), 1041-1053
 - 23. Massimi L., Ristorini, M., Simonetti, G., Frezzini, M:A.; Astolfi M.L., Canepari S.,Spatial mapping and size distribution of oxidative potential of particulate matter released by spatially disaggregated sources. *Environmental Pollution* 266, 115271
 - 24. Simonetti, G., Buiarelli, F., Di Filippo, P., Pomata, D., Riccardi, C., Sonego, E.,Characterization of seven sterols in five different types of cattle feedstuffs. *Food Chemistry* 340, 127926
 - 25. Pomata, D., Di Filippo, P., Riccardi, C., Castellani, F., Simonetti, G., Sonego, E., & Buiarelli, F. (2021). Toxic Organic Contaminants in Airborne Particles: Levels, Potential Sources and Risk Assessment. *International journal of environmental research and public health*, 18(8), 4352.
 - 26. Schiavi, P. G., Altomari, P., Branchi, M., Zanoni, R., Simonetti, G., Navarra, M. A., & Pagnanelli, F. (2021). Selective recovery of cobalt from mixed lithium ion battery wastes using deep eutectic solvent. *Chemical Engineering Journal*, 417, 129249.

27. Riccardi, C., Di Filippo, P., Pomata, D., Simonetti, G., Castellani, F., Uccelletti, D., ... & Buiarelli, F. (2021). Comparison of analytical approaches for identifying airborne microorganisms in a livestock facility. *Science of The Total Environment*, 783, 147044.
28. Sonego, E., Simonetti, G., Di Filippo, P., Riccardi, C., Buiarelli, F., Fresta, A., ... & Pomata, D. (2022). Characterization of organophosphate esters (OPEs) and polyfluoralkyl substances (PFASs) in settled dust in specific workplaces. *Environmental Science and Pollution Research*, 1-15.
29. Simonetti, G., Buiarelli, F., Bernardini, F., Di Filippo, P., Riccardi, C., & Pomata, D. (2022). Profile of free and conjugated quercetin content in different Italian wines. *Food Chemistry*, 382, 132377.