

Curriculum Vitae Marco Paglione

Position: Researcher

Address: via P. Gobetti 101,
40129 Bologna (Italy)

History of Employment:

Researcher	2019-ongoing	CNR-ISAC, Bologna (Italy)
Post-doc grant holder	2018-2019	FORTH-ICE/HT, Patras (Greece)
Post-doc grant holder	2013-2018	CNR-ISAC, Bologna (Italy)

Degrees

PhD in Environmental Sciences,	2013	University of Bologna (Italy)
Master degree (Environmental Sciences),	2008	University of Bologna (Italy)

Selected Journal Reviewing:

Atmos. Chem. Phys., Environ. Sci. Technol., Sci. Total Environ., Scientific Reports

Selected Invited Presentations

- Paglione, M., Gilardoni, S., Decesari, S., Zanca N., Rinaldi, M., Sandrini, S., Giulianelli, L., Poluzzi, V., Facchini, M.C., Fuzzi, S., Chemical characterization of submicron organic aerosol sources in Po Valley by advanced spectroscopic techniques (AMS and NMR) during the SUPERSITO project. 638 WE-Heraeus-Seminar on “Aerosol, Climate and Health”, 27-31 March 2017, Bad Honnef, Germany.
- Paglione M., S. Decesari, L. Giulianelli, E. Tagliavini, R. Hillamo, S. Carbone, S. Saarikoski, E. Swietlicki, S. Fuzzi and M.C. Facchini, Primary and secondary biomass burning aerosols determined by factor analysis of H-NMR spectra. Goldschmidt Conference, 25-30 August, 2013 Florence, Italy. •

Publications:

Total Publications ~ 69

H-index:

24

Selected 5 Publications:

1. Gilardoni, S., Massoli, P., Paglione, M., Giulianelli, L., Carbone, C., Rinaldi, M., Decesari, S., Sandrini, S., Costabile, F., Gobbi, G.P., Pietrogrande, M.C., Visentin, M., Scotto, F., Fuzzi, S., Facchini, M.C.: **Direct observation of aqueous secondary organic aerosol from biomass burning emissions**, *Proc. Natl. Acad. Sci. USA*, 113, 10013–10018, 2016.
2. Paglione, M., Gilardoni, S., Rinaldi, M., Decesari, S., Zanca, N., Sandrini, S., Giulianelli, L., Bacco, D., Ferrari, S., Poluzzi, V., Scotto, F., Trentini, A., Poulain, L., Herrmann, H., Wiedensohler, A., Canonaco, F., Prévôt, A. S. H., Massoli, P., Carbone, C., Facchini, M. C., and Fuzzi, S.: The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy, *Atmos. Chem. Phys.*, 20, 1233–1254, <https://doi.org/10.5194/acp-20-1233-2020>, 2020.
3. Paglione, M., Decesari, S., Rinaldi, M., Tarozzi, L., Manarini, F., Gilardoni, S., Facchini, M. C., Fuzzi, S., Bacco, D., Trentini, A., Pandis, S. N., and Nenes, A.: Historical Changes in Seasonal Aerosol Acidity in the Po Valley (Italy) as Inferred from Fog Water and Aerosol Measurements, *Environ. Sci. Technol.*, 55, 7307–7315, <https://doi.org/10.1021/acs.est.1c00651>, 2021.
4. Violaki, K., Nenes, A., Tsagkaraki, M., Paglione, M., Jacquet, S., Sempéré, R., and Panagiotopoulos, C.: **Bioaerosols and dust are the dominant sources of organic P in atmospheric particles**, *npj Clim Atmos Sci* 4, 63, <https://doi.org/10.1038/s41612-021-00215-5>, 2021.
5. Kodros, J. K., Papanastasiou, D. K., Paglione, M., Masiol, M., Squizzato, S., Florou, K., Skyllakou, K., Kaltsonoudis, C., Nenes, A., and Pandis, S. N.: **Rapid dark aging of biomass burning as an overlooked source of oxidized organic aerosol**, *P. Natl. Acad. Sci. USA*, 117, 33028–33033, <https://doi.org/10.1073/pnas.2010365117>, 2020.