

Curriculum Vitae Marco Paglione

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

History of Employment:

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| 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

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| 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., Atmos. Environ., Atmosphere, PLOS ONE

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 ~ 30

H-index: 14

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. Dall’Osto M., Ovadnevaite J., Paglione M., Beddows D.C.S., Ceburnis D., Cree C., Cortés P., Zamanillo M., Nunes S.O., Pérez G.L., Ortega-Retuerta E., Emelianov M., Vaqué D., Marrasé C., Estrada M., Montserrat Sala M., Vidal M., Fitzsimons M.F., Beale R., Airs R., Rinaldi M., Decesari S., Facchini M.C., Harrison R.M., O’Dowd C., Simó R.: **Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols**, *Scientific Reports* 7, Article number: 6047.
4. Paglione, M., Kiendler-Scharr, A., Mensah, A. A., Finessi, E., Giulianelli, L., Sandrini, S., Facchini, M. C., Fuzzi, S., Schlag, P., Piazzalunga, A., Tagliavini, E., Henzing, J. S., and Decesari, S.: **Identification of humic-like substances (HULIS) in oxygenated organic aerosols using NMR and AMS factor analyses and liquid chromatographic techniques**, *Atmos. Chem. Phys.*, 14, 25-45, [doi:10.5194/acp-14-25-2014](https://doi.org/10.5194/acp-14-25-2014), 2014.
5. Decesari, S., Paglione, M., Rinaldi, M., Dall’Osto, M., Simó, R., Zanca, N., Volpi, F., Facchini, M. C., Hoffmann, T., Götz, S., Kampf, C. J., O’Dowd, C., Ceburnis, D., Ovadnevaite, J., and Tagliavini, E.: Shipborne measurements of Antarctic submicron organic aerosols: an NMR perspective linking multiple sources and bioregions, *Atmos. Chem. Phys.*, 20, 4193–4207, <https://doi.org/10.5194/acp-20-4193-2020>, 2020.