Articles parus

1. Weber, S., Salameh, D., Albinet, A., Alleman, L. Y., Waked, A., Besombes, J.-L., Jacob, V., Guillaud, G., Mesbah, B., Rocq, B., Hulin, A., Dominik-Sègue, M., Chrétien, E., Jaffrezo, J.-L. and Favez, O.: *Comparison of PM_{10} Sources Profiles at 15 French Sites Using a Harmonized Constrained Positive Matrix Factorization Approach*, **Atmosphere**, 10(6), 310, doi:10.3390/atmos10060310, **2019**.
2. Weber, S., Uzu, G., Calas, A., Chevrier, F., Besombes, J.-L., Charron, A., Salameh, D., Ježek, I., Močnik, G. and Jaffrezo, J.-L.: *An apportionment method for the oxidative potential of atmospheric particulate matter sources: application to a one-year study in Chamonix*, France, **Atmospheric Chemistry and Physics**, 18(13), 9617–9629, doi:10.5194/acp-18-9617-2018, **2018**.
3. Samaké, A., Bonin, A., Jaffrezo, J.-L., Taberlet, P., Weber, S., Uzu, G., Jacob, V., Conil, S. and Martins, J. M. F.: *High levels of primary biogenic organic aerosols are driven by only a few plant-associated microbial taxa*, **Atmospheric Chemistry and Physics**, 20(9), 5609–5628, doi:https://doi.org/10.5194/acp-20-5609-2020, **2020**.
4. Samaké, A., Jaffrezo, J.-L., Favez, O., Weber, S., Jacob, V., Canete, T., Albinet, A., Charron, A., Riffault, V., Perdrix, E., Waked, A., Golly, B., Salameh, D., Chevrier, F., Oliveira, D. M., Besombes, J.-L., Martins, J. M. F., Bonnaire, N., Conil, S., Guillaud, G., Mesbah, B., Rocq, B., Robic, P.-Y., Hulin, A., Meur, S. L., Descheemaecker, M., Chretien, E., Marchand, N. and Uzu, G.: *Arabitol, mannitol, and glucose as tracers of primary biogenic organic aerosol: the influence of environmental factors on ambient air concentrations and spatial distribution over France*, **Atmospheric Chemistry and Physics**, 19(16), 11013–11030, doi:https://doi.org/10.5194/acp-19-11013-2019, **2019**.
5. Samaké, A., Jaffrezo, J.-L., Favez, O., Weber, S., Jacob, V., Albinet, A., Riffault, V., Perdrix, E., Waked, A., Golly, B., Salameh, D., Chevrier, F., Oliveira, D. M., Bonnaire, N., Besombes, J.-L., Martins, J. M. F., Conil, S., Guillaud, G., Mesbah, B., Rocq, B., Robic, P.-Y., Hulin, A., Meur, S. L., Descheemaecker, M., Chretien, E., Marchand, N. and Uzu, G.: *Polyols and glucose particulate species as tracers of primary biogenic organic aerosols at 28 French sites*, **Atmospheric Chemistry and Physics**, 19(5), 3357–3374, doi:https://doi.org/10.5194/acp-19-3357-2019, **2019**.
6. scls19fr, Julian Quick, Filipe, Samuël Weber/GwendalD, Ivan Ogasawara, Pete Bachant, Fabien Maussion and James McCann: *python-windrose/windrose v1.6.7*, Zenodo., **2019**.
7. Golly, B., Waked, A., Weber, S., Samake, A., Jacob, V., Conil, S., Rangognio, J., Chrétien, E., Vagnot, M.-P., Robic, P.-Y., Besombes, J.-L. and Jaffrezo, J.-L.: *Organic markers and OC source apportionment for seasonal variations of $PM_{2.5}$ at 5 rural sites in France*, **Atmospheric Environment**, 198, 142–157, doi:10.1016/j.atmosenv.2018.10.027, **2019**.

Articles soumis

1. Daellenbach, K. R., Uzu, G., Jiang, J., Cassagnes, L.-E., Leni, Z., Vlachou, A., Stefenelli, G., Canonaco, F., Weber, S., Segers, A. J., Schaap, M., Favez, O., Albinet, A., Aksoyoglu, S., Dommen, J., Baltensperger, U., Geiser, M., El Haddad, I., Jaffrezo, J.-L. and Prévôt, A. S. H.: *Sources and chemistry of the harmful components in particulate air pollution*, **Nature**, 13, submitted.

Articles en cours d'écriture

1. Weber, S., Uzu, G., Calas, A., Salameh, D., Chevrier, F., Allard, J., Besombes, J.-L. and Favez, O.: *Source apportionment of the oxidative potential of aerosols at 15 French sites for yearly time series of observation*, , 23, in prep.
2. Borlaza, L. J. S., Weber, S., Asslanian, K., Uzu, G., Jacob, V., Cañete, T., Slama, R., Favez, O., Albinet, A., Guillaud, G., Thomasson, A. and Jaffrezo, J.-L.: *Fine-scale source apportionment of PM_{10} with new organic tracers in three urban sites in a metropolitan area in France*, **Atmospheric Chemistry and Physics**, in prep.
3. Borlaza, L. J. S., Weber, S., Jaffrezo, J. L., Jacob, V., Canete, T., Houdier, S., Slama, R., Favez, O., Albinet, A., Guillaud, G., Micallef, S., Trébuchon, C. and Uzu, G.: *Urban variability of oxidatives potentials sources of PM10 measured by DTT, AA and DCFH estimated by multiple linear regression and neural network analysis*, in prep.
4. Borlaza, L. J. S., Weber, S., Uzu, G., Lyon-Caen, S., Jacob, V., Favez, O., Albinet, A., Guillaud, G., Thomasson, A., Jaffrezo, J. L. and Slama, R.: *Personal exposure to $PM_{2.5}$ oxidative potential and its relation to birth outcomes*, in prep.
5. Borlaza, L. J. S., Marsal, A., Weber, S., Asslanian, K., Uzu, G., Jacob, V., Canete, T., Favez, O., Albinet, A., Guillaud, G., Thomasson, A. and Jaffrezo, J. L.: *Long term observation and source apportionment at a rural french site : chemical evolution and tendencies.*, in prep.
6. Weber, S., Jaffrezo, J.-L., Golly, B., Barbero, A., Nicolas, C., Loubet, B., Favez, O. and Savarino, J.: *Nitrogen's stable isotopes as a proxy to determine ammonium sources in PM using a coupled PMF/Monte Carlo's simulation: evidence that high ammonium concentrations during spring pollution episodes in France mainly come from the use of urea-ammonia-nitrate fertilizer.*, in prep.

Communications orales

1. Weber, S., Golly, B., Favez, O., Conil, S., Savarino, J. and Jaffrezo, J.-L.: *Nitrogen's stable isotopes as a proxy to determine ammonium sources in PM using a Monte Carlo's simulation.*, Tours, France., **2016**.
2. Weber, S., Uzu, G., Salameh, D., Albinet, A., Besombes, J.-L., Favez, O. and Jaffrezo, J. L.: *Sources contribution to the oxidative potential of PM_{10} at 15 French sites.*, Gothenburg, Sweden., **2019**.

Rapport

1. Salameh, D., Weber, S., Besombes, J. L. and Jaffrezo, J. L.: *Caractérisation chimique à long-terme des PM_{10} et $PM_{2.5}$ sur le site rural de l'OPE – Quantification des sources de $PM_{2.5}$ sur les séries de 2012 à 2015*. [online] Available from: http://www.ige-grenoble.fr/IMG/pdf/rapport_ope_andra_2016_jl_jaffrezo.pdf (Accessed 7 July 2020), **2016**.
2. Uzu, G., Jaffrezo, J. L., Begorre, C. and Weber, S.: *Etude multi-sites des variations du Potentiel Oxydant des PM atmosphériques en France, en liaison avec leur chimie et leurs sources*, ANSES.

[online] Available from: http://www.ige-grenoble.fr/recherche/equipes/chimie-atmospherique-chianti/projets/article/exposure?lang=en, **2017**.