

Les publications 2017 de la ZATU

Lampe N., Breton V., Sarramia D., Sime-Ngando T., Biron D.G. (2017) Understanding low radiation background biology through controlled evolution experiments. *Evolutionary Applications*, 10, (7), 658 – 666.

Theodorakopoulos N., Février L., Barakat M., Ortet P., Christen R., Piette L., Levchuk S., Beaugelin-Seiler K., Sergeant C., Berthomieu C., Chapon V. (2017) Soil prokaryotic communities in chernobyl waste disposal trench T22 are modulated by organic matter and radionuclide contamination. *Fems Microbiol Ecol* 93,8, Fix079 DOI:10.1093/femsec/fix079

Rossi F., Artigas J., Mallet C. (2017) Structural and functional responses of leaf-associated fungal communities to chemical pollution in streams. *Freshwater Biology* 62, 1207–1219.

Fleury G., Del Nero M., Barillon R. (2017) Effect of mineral surface properties (alumina, kaolinite) on the sorptive fractionation mechanisms of soil fulvic acids: molecular-scale ESI-MS studies. *Geochim. Cosmochim. Acta*, 196, 1-17.

Colombet J., Robin A., Sime-Ngando T. (2017) Genotypic, size and morphological diversity of viroplankton in a deep oligomesotrophic freshwater lake (Lac Pavin, France). *Journal of Environmental Sciences*, 53, pp.48 - 59

Dumas E., Giraud M., Goujone E., Halma M., Khnili E., Stauffert M., Batisson I., Besse-Hoggan P., Bohatier J., Bouchard P., Celle-Jeanton H., Costa Gomes M., Delbac F., Forano C., Goupil P., Guixi N., Husson P., Ledoigt G., Mallet C., Mousty C., Prévot V., Richard C., Sarrautea S., (2017) Fate and ecotoxicological impact of new generation herbicides from the triketone family: An overview to assess the environmental risks. *Journal of Hazardous Materials* 325, 136–156

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Fleury G., Del Nero M., Barillon R. (2017) Molecular fractionation of a soil fulvic acid (FA) and competitive sorption of trace metals (Cu, Zn, Cd, Pb) in hematite-solution systems: effect of the FA-to-mineral ratio. *RSC Advances*, 7, 43090 – 43103.

Artigas J., F. Rossi, M. Gerphagnon, C. Mallet (2017) Sensitivity of laccase activity to the fungicide tebuconazole in decomposing litter. *Science of The Total Environment*, 584–585,1084-1092

Gerphagnon M., Colombet J., Latour D., Sime-Ngando T. (2017) Spatial and temporal changes of parasitic chytrids of cyanobacteria. *Scientific Reports*, 7 (1), DOI:10.1038/s41598-017-06273-1