

2017 – 20 publications

1. ABUHELOU A., MANSUY-HUAULT L., LORGEUX C., CATTELOIN D., COLLIN V., BAUER A., KANBAR, K., GLEY R., MANCEAU L., THOMAS F., MONTARGES-PELLETIER E., 2017, Suspended particulate matter collection methods influence the quantification of polycyclic aromatic compounds in the river system. *Environmental Science and Pollution Research*, 24, 22717–22729.
2. ASSAAD A., PONTVIANNE S., PONS M.N. Assessment of organic pollution of an industrial river by synchronous fluorescence and UV-vis spectroscopy: the Fensch River (N.E. France). *Environmental Monitoring and Assessment*, 189(5):229.
3. CRENIER, C., ARCE-FUNCK, J., BEC, A., BILLOIR, E., PERRIÈRE, F., LEFLAIVE, J., GUÉROLD, F., FELTEN, V. AND DANGER, M., 2017. Minor food sources can play a major role in secondary production in detritus-based ecosystems. *Freshwater biology*, 62(7), pp.1155-1167.
4. FERREIRA V., GUÉROLD F. Leaf litter decomposition as a bioassessment tool of acidification effects in streams: Evidence from a field study and meta-analysis. *Ecological Indicators*, 79 : 382-390.
5. FIORENTINO A., RIZZO L., GUILLOTEAU H., BELLANGER X., MERLIN C. Comparing TiO₂ photocatalysis and UV-C radiation for inactivation and mutant formation of *Salmonella typhimurium* TA102. *Environmental Science and Pollution Research, Int.* 24:1871-1879.
6. FOUR B., THOMAS M., ARCE E., CEBRON A., DANGER M., BANAS D. Fishpond dams affect leaf-litter processing and associated detritivore communities along intermittent low-order streams. *Freshwater biology*, 62(10): 1741-1755.
7. FOUR B., ARCE E., DANGER M., GAILLARD J., THOMAS M., BANAS D. Catchment land use-dependent effects of barrage fishponds on the functioning of headwater streams. *Environmental Science and Pollution Research*, 24, 5452-5468.
8. GAILLARD J., VEYRAND B., THOMAS M., DAUCHY X., BOITEUX V., MARCHAND P., LE BIZEC B., BANAS D., FEIDT C. Tissue uptake, distribution and elimination of perfluoroalkyl substances in juvenile perch through SAMPAP dietary exposure. *Environmental Science & Technology*, 51(13): 7658-7666.
9. GAULLIER C., DOUSSET S., BILLET D., BARAN N. Is pesticide sorption by constructed wetland sediments governed by water level and water dynamics ? *Environmental Science and Pollution Research*, sous presse.
10. GRIFFITH S., CHAHINE G., PRADALIER C. Symphonie Lake Dataset. *International Journal of Robotic Research*.
11. HARTARD C., BANAS S., RIVET R., BOUDAUD N., GANTZER C. (2017) Rapid and sensitive method to assess human viral pollution in shellfish using infectious F-specific RNA bacteriophages : Application to marketed products. *Food Microbiology*, 63, 248-254.
12. KANBAR, K., MONTARGES-PELLETIER E., LOSSON B., BIHANNIC I., GLEY R., BAUER A., VILLIERAS F., MANCEAU L., EL SAMRANI A.G., KAZPARD V., MANSUY-HUAULT L. Highly Impacted Sediments by Steel-Making Activities in the Orne River, Northeastern France. Part I: Origin and Transformation of Iron Minerals, *Science of the Total Environment*, 599-560, 540-553.

13. LE MEUR M., MANSUY-HUAULT L., LORGEUX C., BAUER A., GLEY R., VANTELON D., MONTARGES-PELLETIER E., (2017), Spatial and temporal variations of Particulate Organic Matter from Moselle River and tributaries: A multimolecular investigation, *Organic Geochemistry*, 110, 45-56.
14. LE N.D., FRANCE X., PONTVIANNE S., POIROT H., LECLERC J.P., PONS M.N. Daily wastewater pollutant dynamics with respect to catchment population structure. *Journal of Urban Water*, 14(10) 1016-1022.
15. MAUNOURY-DANGER F., FELTEN V., BOJIC C., FRAYSSE F., COSIN MC., DEDOURGE-GEFFARD O., GEFFARD A., GUÉROLD F., DANGER M. Metal release from contaminated leaf litter and leachate toxicity for the freshwater crustacean *Gammarus fossarum*. *Environmental Science and Pollution Research International*, sous presse.
16. MOUSSOH A.F., BIGET A., LEMAITRE C., PONS M.N., LECLERC J.P. Influence of the turbulence model choice on the simulation of active substance dispersion for the treatment of aquaculture pool invaded by algae. *Desalination and Water Treatment*, 58, 19-34.
17. PONS, MN., ASSAAD A., OUCACHA C., PONTVIANNE S., POLLIER B., WAGNER P., LEGOUT A., GUEROLD F. Nitrates monitoring by UV-vis spectral analysis. *Ecohydrology & Hydrobiology*, 17, 1; 46-52. DOI: 10.1016/j.ecohyd.2016.12.001.
18. SCORNEC H., BELLANGER X., GUILLOTEAU H., GROSHENRY G., MERLIN C. Inducibility of Tn916 conjugative transfer in *Enterococcus faecalis* by subinhibitory concentrations of ribosome-targeting antibiotics. *Journal of Antimicrobial Chemotherapy*, 72(10):2722–2728.
19. VAN DER HEIJDEN G., BELYAZID S., DAMBRINE E., RANGER J., LEGOUT A. (2017) NutsFor a process-oriented model to simulate nutrient and isotope tracer cycling in forest ecosystems. *Environmental Modelling & Software* 95, 365-380. DOI: 10.1016/j.envsoft.2017.06.003.
20. VAN DER HEIJDEN, G., LEGOUT, A., MARESCHAL, L., RANGER, J., DAMBRINE, E. Filling the gap in Ca input-output budgets in base-poor forest ecosystems: The contribution of non-crystalline phases evidenced by stable isotopic dilution. *Geochimica Cosmochimica Acta*, 209, 135-148. DOI: 10.1016/j.gca.2017.04.018.