

2020 – Publications

1. ATINKPAHOUN C.N.H., PONS M.N., LOUIS P., LECLERC J.P., SOCLO H. (2020) Rare earth elements (REE) in the urban wastewater of Cotonou (Benin, West Africa). *Chemosphere*, 251, 126398.
2. JABIOL J., COLAS F., GUÉROLD F. (2020) Cotton-strip assays: Let's move on to eco-friendly biomonitoring! *Water Research*, 170, 115295.
3. JABIOL J., GOSSIAUX A., LECERF A., ROTA T., GUÉROLD F., DANGER M., POUPIN P., GILBERT F., CHAUVET E. (2020). Variable temperature effects between heterotrophic stream processes and organisms. *Freshwater Biology*. 65,1543-1554.
4. GOSSIAUX A., ROLLIN M., GUÉROLD F., FELTEN V., LAVIALE M., BACHELET Q., POUPIN P., CHAUVET E., BEC A., DANGER M. (2020). Temperature and nutrient effects on the relative importance of brown and green pathways for stream ecosystem functioning: A mesocosm approach. *Freshwater Biology*, 65, 1239-1255.
5. LOSSON B., MANCEAU L., KANBAR H.J., WALDVOGEL Y., DELUS C., MANSUY-HUAULT L., HISSLER C., MONTARGES-PELLETIER E. (2020) Hydrodynamique de l'Orne et mobilisation sédimentaire dans la zone de remous amont du barrage de Beth (Lorraine, France). *Géomorphologie*, 26 , 1, 3-7.
6. LOUIS P., MESSAOUDENE A., JRAD H., ADBOUL-HAMID B.A., VIGNATI D.A.L., PONS M.N. (2020) Understanding Rare Earth Elements concentrations, anomalies and fluxes at the river basin scale: the Moselle River (France) as a case study. *Science of the Total Environment*, 742, 140619
7. MARANO R.B.M., et al. (2020) A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. *Environment International*, 144, 106035.
8. MERLIN C. (2020) Reducing the consumption of antibiotics: would that be enough to slow down the dissemination of resistances in the downstream environment? *Front Microbiol.* 11, 33.
9. MOUSSET E., QUACKENBUSH L., SCHONDEK C., GERARDIN-VERGNE A., PONTVIANNE S., KMIOTEK S., PONS M.N. (2020). Effect of homogeneous Fenton combined with electron transfer on the fate of inorganic chlorinated species in synthetic and reclaimed municipal wastewater, *Electrochimica Acta*, 334: 135608.
10. PONS M.N., LOUIS P., VIGNATI D.A.L. (2020) Effect of confinement on wastewater characteristics: A comparison of two large urban areas. *Water Science and Technology*, 82(12),2813-2822.
11. WOEGERBAUER M., BELLANGER X., MERLIN C. (2020) Cell-Free DNA: An underestimated source of antibiotic resistance gene dissemination at the interface between human activities and downstream environments in the context of wastewater reuse. *Frontiers in Microbiology* 11, 671.