

Les publications 2020 de la ZAM

Atinkpahoun C.N.H., M.N. Pons, P. Louis, J.P. Leclerc, H. Soclo (2020) Rare earth elements (REE) in the urban wastewater of Cotonou (Benin, West Africa). *Chemosphere*, 251, 126398. DOI: 10.1016/j.chemosphere.2020.126398.

Dufour, V., Wiest L., Slaby S., Le Cor F., Auger L., Cardoso O., Curtet L., Pasquini L., Dauchy X., Vulliet E., Banas D. (2020) Development of a simple multiresidue extraction method for the quantification of a wide polarity range list of pesticides and transformation products in eggs by liquid chromatography and tandem mass spectrometry. *Journal of Chromatography A*, 1628, 461447. DOI: 10.1016/j.chroma.2020.461447

Jabiol J., Colas F., Guérolde F. (2020) Cotton-strip assays: Let's move on to eco-friendly biomonitoring! *Water Research*, 170, 115295. DOI: 10.1016/j.watres.2019.115295

Jabiol J., Gossiaux A., Lecerf A., Rota T., Guérolde F., Danger M., Poupin P., Gilbert F., Chauvet E. (2020) Variable temperature effects between heterotrophic stream processes and organisms. *Freshwater Biology*, 65, 1543-1554. DOI: 10.1111/fwb.13520

Gossiaux A., Rollin M., Guérolde 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. DOI: 10.1111/fwb.13474

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. DOI: 10.1016/j.scitotenv.2020.140619

Marano R.B.M., ... Merlin C., ... Guilloteau H., ...Pons M.N., ... et al. (2020) A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. *Environment International*, 144, 106035. DOI: 10.1016/j.envint.2020.106035.

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. DOI: 10.3389/fmicb.2020.00033

Mousset E., Quackenbush L., Schondek C., Gerardin-Vergne A., Pontvianne S., Kmiolek 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. DOI: 10.1016/j.electacta.2019.135608

Pons M.N., Louis P., Vignati D.A.L. (2020) Effect of lockdown on wastewater characteristics: a comparison of two large urban areas, *Water Science & Technology*, 82(12):2813-2822. DOI: 10.2166/wst.2020.520

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. DOI: 10.3389/fmicb.2020.00671