

Publications ou communications réalisées avec d'autres Zones Ateliers.

Publications ou communications réunissant plusieurs laboratoires et disciplines de la ZAM.

2013-Publications dans une revue internationale avec comité de lecture

1. ALDEEK F., SCHNEIDER R., FONTAINE-AUPART M-P., MUSTIN C., LÉCART S., MERLIN C., BLOCK J-C. (2013) Patterned hydrophobic domains in the exopolymer matrix of *Shewanella oneidensis* MR-1 biofilms. **Applied and Environmental Microbiology**, 79: 1400-1402.
2. ARCE FUNCK J., CLIVOT H., FELTEN V., ROUSSELLE P., GUEROLD F. & DANGER M. (2013) Phosphorus availability modulates the toxic effect of silver on aquatic fungi and leaf litter decomposition. **Aquatic Toxicology**, 144-145: 199-207.
3. ARCE FUNCK J., DANGER M., GISMONDI E., COSSU-LEGUILLE C., GUEROLD F. & FELTEN V. (2013) Behavioral and physiological responses of *Gammarus fossarum* (Crustacea Amphipoda) exposed to silver. **Aquatic Toxicology**, 142-143 : 73-84.
4. AUCLERC A., CAPOWIEZ Y., GUÉROLD F., NAHMANI J. (2013) Application of X-ray tomography to evaluate liming impact on earthworm burrowing activity in an acidic forest soil under laboratory conditions. **Geoderma**, 202: 45-50.
5. BERTRAND O., MANSUY-HUAULT L., MONTARGÈS-PELLETIER E., FAURE P., LOSSON B., MICHELS R., ARGANT J., RUFFALDI P. (2013) Recent vegetation history from a swampy environment to a pond (Lorraine, France): lignin, fatty acids and pollen sedimentary records. **Organic Geochemistry**, 64: 47-57.
6. BERTRAND O., MONTARGÈS-PELLETIER E., MANSUY-HUAULT L., LOSSON B., FAURE P., MICHELS R., PERNOT A., ARNAUD F. (2013) A possible terrestrial origin for perylene based on a sedimentary record of a pond (Lorraine, France). **Organic Geochemistry**, 58: 69-77.
7. CLIVOT H., DANGER M., PAGNOUT C., WAGNER P., ROUSSELLE P., POUPIN P., GUEROLD F. (2013) Impaired Leaf Litter Processing in Acidified Streams. **Microbial Ecology**, 65: 1-11.
8. COLAS F., ARCHAIMBAULT V., FÉRARD J-F., BOUQUEREL J., ROGER M.-C., DEVIN S. (2012) Benthic indicators of sediment quality associated with run-of-river reservoirs. **Hydrobiologia**, 703: 149-164.
9. DANGER M., ARCE FUNCK J., DEVIN S., HEBERLE J. & FELTEN V. (2013). Phosphorus content in detritus controls life-history traits of a detritivore. **Functional Ecology**, 27 : 807-815.
10. DANGER M., CHAUVET E. (2013) Elemental composition and degree of homeostasis of fungi: are aquatic hyphomycetes more like metazoans, bacteria, or plants? **Fungal Ecology**, 6: 453-457.
11. DEVIN S, BURGEOT T, GIAMBÉRINI L, MINGUEZ L & PAIN-DEVIN S (2014) The integrated biomarker response revisited: optimization to avoid misuse. **Environ Sci Pollut Res**, 21: 2448-2454.
12. GOSSELIN F., MADEIRA L-M., JUHNA T., BLOCK J-C. (2013) Drinking water and biofilm disinfection by Fenton-like reaction. **Water Research**, 47: 5631-5638
13. JORAND F.-P.-A., SERGENT A.-S., REMY P.-P., BIHANNIC I., GHANBAJA J., LARTIGES B., HANNA K., ZEGEYE A. (2013) Contribution of Anionic vs. Neutral Polymers to the Formation of Green Rust 1 from -FeOOH Bioreduction. **Geomicrobiology Journal**, 30 : 600-615.
14. LAZARTIGUES A., BANAS D., FEIDT C., BRUN-BELLUT J., GARDEUR J.N., LE ROUX Y., THOMAS M. (2013) Pesticide pressure and fish farming in barrage pond in North-eastern France. Part III: How management can affect pesticide profiles in edible fish? **Environmental Science and Pollution Research**, 20:126-135.
15. LAZARTIGUES A., THOMAS M., BANAS D., BRUN-BELLUT J., CREN-OLIVÉ C., FEIDT C. (2013) Accumulation and half-lives of 13 pesticides in muscle tissue of freshwater fishes through food exposure. **Chemosphere**, 91: 530-535.
16. LAZARTIGUES A., THOMAS M., CREN-OLIVE C., BRUN-BELLUT J., LE ROUX Y., BANAS D., FEIDT C. (2013) Pesticide pressure and fish farming in barrage pond in North-eastern France. Part II: Residues of 13 pesticides in water, sediments, edible fish and their relationships. **Environmental Science and Pollution Research**, 20: 117-125.
17. MICHAEL I., RIZZO L., McARDELL C-S., MANAIA C-M., MERLIN C., SCHWARTZ T., DAGOT C., FATTA-KASSINOS D. (2013) Urban wastewater treatment plants as hotspots for the release of antibiotics in the environment: A review. **Water Res**, 47: 957-95.
18. MINGUEZ L, DEVIN S, MOLLOY DP, GUEROLD F & GIAMBERINI L (2013) Occurrence of zebra

- mussel parasites: Modelling according to contamination in France and the USA. *Environmental Pollution*, 176: 261- 266.
19. MINGUEZ L., BRULÉ N., SOHM B., DEVIN S., GIAMBÉRINI L. (2013) Involvement of Apoptosis in Host-Parasite Interactions in the Zebra Mussel. *Plos One*, 8:e65822.
 20. OGORZALY L., CAUCHIE H.-M., PENNY C., PERRIN A., GANTZER C., BERTRAND I. (2013) Two-day detection of infectious enteric and non-enteric adenoviruses by improved ICC-qPCR. *Applied Microbiology and Biotechnology*, 97: 4159-66.
 21. PASQUINI L., MERLIN CH., HASSENBOEHLER L., MUNOZ J-F., PONS M-N., GÖRNER T. (2013) Impact of certain household micropollutants on bacterial behavior. Toxicity tests/study of extracellular polymeric substances in sludge. *Science of the Total Environment*, 463-464: 355-365.
 22. PASQUINI L., MUNOZ J-F., RIMLINGER N., DAUCHY X., FRANCE X., PONS M-N., GÖRNER T. (2013) Assessment of the fate of some household micropollutants in urban wastewater treatment plant. *Chemical Papers*, 67: 601-612.
 23. RIZZO L., MANAIA C., MERLIN C., SCHWARTZ T., DAGOT C., PLOY M-C., MICHAEL I., FATTAKASSINOS D. (2013) Urban wastewater treatment plants as hotspots for antibiotic resistant bacteria and genes spread into the environment: A review. *Sci Total Environ*, 447:345-360.
 24. TARNOWSKA K, DAGUIN-THIEBAUT C, PAIN-DEVIN S & VIARD F (2013) Nuclear and mitochondrial genetic variability of an old invader, *Dreissena polymorpha* (Bivalvia), in French river basins. *Biological Invasions*, 15: 2547-2561.
 25. TILLNER J., HOLLARD C., BACH C., ROSIN C., MUNOZ J.F., DAUCHY X. (2013) "Simultaneous determination of polycyclic aromatic hydrocarbons and their chlorination by-products in drinking water and the coatings of water pipes by automated solid-phase microextraction followed by gas chromatography–mass spectrometry. *Journal of Chromatography A*, 1315: 36-46.
 26. VAN DER HEIJDEN G., LEGOUT A., MIDWOOD A., CRAIG C-A., POLLIER B., RANGER J., DAMBRINE E. (2013) Mg and Ca root uptake and vertical transfer in soils assessed by an in situ ecosystem-scale multi-isotopic (²⁶Mg & ⁴⁴Ca) tracing experiment in a beech stand (Breuil-Chenue, France). *Plant and Soil*, 369: 33-45.
 27. VAN DER HEIJDEN G., LEGOUT A., POLLIER B., BRECHET C., RANGER J., DAMBRINE E. (2013) Tracing and modeling preferential flow in a forest soil — Potential impact on nutrient leaching. *Geoderma*, 195: 12-22.
 28. VAN DER HEIJDEN G., LEGOUT A., POLLIER B., MARESCHAL L., TURPAULT M-P., RANGER J., DAMBRINE E. (2013) Assessing Mg and Ca depletion from broadleaf forest soils and potential causes – A case study in the Morvan. *Forest Ecology and Management*, 293: 65-78.
 29. VELLINGER C., GISMONDI E., FELTEN V., ROUSSELLE P., MEHENNAOUI K., PARANT M. & USSEGLIO-POLATERA P. (2013) Single and combined effects of cadmium and arsenate in *Gammarus pulex* (Crustacea, Amphipoda): understanding the links between physiological and behavioural responses. *Aquatic Toxicology*, 140: 106-116.

2013-Chapitres d'ouvrage ou ouvrages de recherche reconnus internationalement

1. FELTEN V., TIXIER G. & GUEROLD F., 2013. Chapter 1: Acid Rain Ecotoxicity. In: FERARD J.-F. & C. BLAISE (eds), Encyclopedia of aquatic ecotoxicology, Springer Publishers, Dordrecht, The Netherlands, pp. 1-14.

2013-Publications dans une revue nationale avec comité de lecture

1. ROSIN C. (2013) 'Une norme XP pour la détection des médicaments dans les eaux.' Techniques Sciences Méthodes (5): p. 6
2. GARNIER A., ROSIN C., JEDOR B., DAUCHY X., CARTIER T., MUNOZ J.F. (2012) 'Perchlorates dans les eaux destinées à la consommation humaine. Bilan d'une campagne nationale d'occurrence en France.' *European Journal of Water Quality*, 43: 133-148.