

## Les publications 2016 de la ZAAJ

- Knapp J., Umhang G., Poulle M. L., et al. (2016) Development of a real-time pcr for a sensitive one-step coprodiagnosis allowing both the identification of carnivore feces and the detection of *Toxocara* spp. and *Echinococcus multilocularis*. *Applied and Environmental Microbiology*, 82, 10, 2950-2958
- Mauchamp L., Mouly A., Badot P. M., et al. (2016) Impact of nitrogen inputs on multiple facets of plant biodiversity in mountain grasslands: does nutrient source matter? *Applied Vegetation Science* 19, 2, 206-217. DOI: 10.1111/avsc.12214
- Song L., D Gilbert, D Wu (2016) Vertical micro-distribution of microbial communities living in *Sphagnum fallax*. *Aquatic Microbial Ecology* 77: 1-10.
- Foltete J. C., Couval G., Fontanier M., et al., (2016) A graph-based approach to defend agro-ecological systems against water vole outbreaks, *Ecological Indicators* 71, 87-98  
DOI: 10.1016/j.ecolind.2016.06.033
- Baudrot V., Perasso A., Fritsch C., Giraudoux P., Raoul F. (2016). The adaptation of generalist predators' diet in a multi-prey context: insights from new functional responses. *Ecology* 97(7), 1832–1841
- Gillet F., Mauchamp L., Badot P. M., et al. (2016) Recent changes in mountain grasslands: a vegetation resampling study. *Ecology and Evolution*, 6, 8, 2333-2345  
DOI: 10.1002/ece3.1987
- Diaz-De-Quijano M., Joly D., Gilbert D., et al. (2016) Modelling and mapping trace element accumulation in Sphagnum peatlands at the European scale using a geomatic model of pollutant emissions dispersion. *Environmental Pollution*, 214, 8-16  
DOI: 10.1016/j.envpol.2016.03.036
- Joly D., Diaz-de-Quijano M., Gilbert D., Toussaint M.L., Franchi M., Fallot J.M., Bernard N. (2016) Modelling and mapping trace element accumulation in Sphagnum peatlands at the European scale using a geomatic model of pollutant emissions dispersion. *Environmental Pollution*, 214, 8-16.
- Tenailleau Q. M., Bernard N., Pujol S., et al. (2016) Do outdoor environmental noise and atmospheric NO2 levels spatially overlap in urban areas? *Environmental Pollution* 214, 767-775
- Chiffre A., C. Clérandeau, C. Dwoinikoff, F. Le Bihanic, H. Budzinski, F. Geret, J. Cachot (2016). Psychotropic drugs in mixture alter swimming behaviour of Japanese medaka (*Oryzias latipes*) larvae above environmental concentrations. *Environmental Science and Pollution Research* 23, 6, 4964–4977.
- Chiffre A., F. Degiorgi, A. Buleté, L. Spinner, P.M. Badot (2016). Occurrence of pharmaceuticals in WWTP effluents and their impact in a karstic rural catchment of Eastern France. *Environmental Science and Pollution Research*, 23, 24, 25427–25441. DOI 10.1007/s11356-016-7751-5
- Belle S., Millet L., Lami A., Verneaux V., Musazzi S., Hossann C., Magny M. (2016) Increase in benthic trophic reliance on methane in 14 French lakes during the Anthropocene. *Freshwater Biology*, 61 (7), 1105-1118.

- Grasset C., Abril G., Guillard L., et al. (2016) Carbon emission along a eutrophication gradient in temperate riverine wetlands: effect of primary productivity and plant community composition *Freshwater Biology*, 61,9, 1405-1420
- Afonso E, Tournant P, Foltete JC, Giraudoux P, Baurand PM, Roue S, Canella V, Vey D, Scheifler R (2016) Is the lesser horseshoe bat (*Rhinolophus hipposideros*) exposed to causes that may have contributed to its decline ? A non-invasive approach. *Global Ecology and Conservation*. 8, 123–137.
- Belle S., Millet L., Gillet F., et al. (2015) Assemblages and paleo-diet variability of subfossil Chironomidae (Diptera) from a deep lake (Lake Grand Maclu, France), *Hydrobiologia*, 755, 1, 145-160. DOI: 10.1007/s10750-015-2222-4
- Scherer E., Valot B., Vacheyrou M., Naegele A., Knapp J., Rocchi S., Roussel S., Million L., Reboux G., (2016) Assessment of pets (cats and dogs) in homes using electrostatic dust collectors and QPCR: new tools to evaluate exposure and risk of allergies. *International Journal of Environmental Health Research*, 26, 5-6, 589-599.
- Brick T., Schober Y., Bocking C., et al. (2016) Omega-3 fatty acids contribute to the asthma-protective effect of unprocessed cow's milk, *Journal of Allergy and Clinical Immunology*, 137, 6, 1699-1706 DOI: 10.1016/j.jaci.2015.10.042
- Hocquet D., Muller A., Bertrand X. (2016) What happens in hospitals does not stay in hospitals: antibiotic-resistant bacteria in hospital wastewater systems. *Journal of Hospital Infection*, 93, 4, 395-402 DOI: 10.1016/j.jhin.2016.01.010
- Bailly J., Scheifler R., Berthe S., et al. (2016) From eggs to fledging: negative impact of urban habitat on reproduction in two tit species. *Journal of Ornithology*, 157, 2, 377-392 DOI: 10.1007/s10336-015-1293-3
- Belle S., Verneaux V., Millet L., Etienne D., Lami A., Musazzi S., Reyss J.-L., Magny M. (2016) Climate and human land-use as a driver of Lake Narlay (Eastern France, Jura Mountains) evolution over the last 1200 years: implication for methane cycle. *Journal of Paleolimnology*, 55 (1), pp. 83-96.
- Baudrot V., Perasso A., Fritsch C., Raoul F. (2016). Competence of hosts and complex foraging behaviour are two cornerstones in the dynamics of trophically transmitted parasites. *Journal of Theoretical Biology* 397, 158-168.
- Tannier C., Bourgeois M., Houot H., et al. (2016) Impact of urban developments on the functional connectivity of forested habitats: a joint contribution of advanced urban models and landscape graphs. *Land Use Policy*, 52, 76-91. DOI: 10.1016/j.landusepol.2015.12.002
- Peringer A., Schulze K. A., Stupariu I., et al. (2016) Multi-scale feedbacks between tree regeneration traits and herbivore behavior explain the structure of pasture-woodland mosaics *Landscape Ecology*, 31, 4, 913-927. DOI: 10.1007/s10980-015-0308-z
- Capo E., Debros D., Arnaud F., Guillemot T., Bichet V., Millet L., Gauthier E., Massa C., Develle A.-L., Pignol C., Lejzerowicz F., Domaizon I. (2016) Long-term dynamics in microbial eukaryotes communities: a palaeolimnological view based on sedimentary DNA. *Molecular Ecology*, 25 (23), 5925-5943.
- Marescaux A., Degano B., Soumagne T., et al. (2016) Impact of farm modernity on the prevalence of chronic obstructive pulmonary disease in dairy farmers. *Occupational and Environmental Medicine*, 73, 2, 127-133 DOI: 10.1136/oemed-2014-102697

Bailly J., Scheifler R., Belvalette M., et al. (2016) : Negative impact of urban habitat on immunity in the great tit *Parus major*, *Oecologia* 182, 4, 1053-1062 DOI: 10.1007/s00442-016-3730-2

Umhang G., Comte S., Hormaz V., Boucher J.M., Raton V., Favier S., Raoul F., Giraudoux P., Combes B., Boué F. (2016). Retrospective analyses of fox feces by real-time PCR to identify new endemic areas of *Echinococcus multilocularis* in France. *Parasitology Research*. 115(11):4437-4441, DOI 10.1007/s00436-016-5220-1

Levain J. P., Mauny F., Pujol S., et al. (2015) Effect of noise exposure on children's performance in grade 3 of primary school. *Psychologie Française*, 60, 1, 35-49  
DOI: 10.1016/j.psfr.2014.07.001

Belle S., Millet L., Verneaux V., Lami A., David E., Murgia L., Parent C., Musazzi S., Gauthier E., Bichet V., Magny M. (2016) 20th century human pressures drive reductions in deepwater oxygen leading to losses of benthic methane-based food webs. *Quaternary Science Reviews*, 137, 209-220.

Chiffre A., F. Degiorgi, N. Morin-Crini, A. Bolard, E. Chanez, P.M. Badot (2016). How to assess temporal changes of point and diffuse contamination in a rural karstic watershed ? Relevance of suspended particulate matter (SPM) for efficient monitoring, *Water, Air, & Soil Pollution*, 227, 384.  
DOI : 10.1007/s11270-016-3044-3