

## Les publications 2017 de la ZAL

- Chaput-Bardy A., Alcalá N., Secondi J., Vuilleumier S. 2017. Network analysis for species management in rivers networks: application to the Loire river. *Biological Conservation* 210, 26-36
- Courant J., Secondi J., Bereiziat V., Herrel A. (2017) Resources allocated to reproduction decrease at the range edge of an expanding population of an invasive amphibian. *Biological Journal of the Linnean Society* 122, 157-165
- Chaudron C., Isselin-Nondedeu F. (2017) Assessing the effects of mowing machinery on seed dispersal pattern: a test of two methods of seed tracking. *Botany Letters* 164, 413-423
- Binet S., Joigneaux E., Albéric P., Pauwels H., Bruand A. (2017) Water exchanges between a saturated karstic conduit and its surrounding rock: evidences from isotopes in water and groundwater flow modeling. *Journal of Hydrology*, 544, 278-289
- Le Gall, M., Evrard, O., Thil, F., Foucher, A., Lacey, J.P., Manière, L., Salvador-Blanes, S., Ayrault, S. (2017) Examining suspended sediment sources and dynamics during flood events in a drained catchment using radiogenic strontium isotope ratios ( $^{87}\text{Sr}/^{86}\text{Sr}$ ). *Chem. Geol.*, 449, 147-157
- Steinmann R., Garcia J.-P., Dumont A., Quiquerez A. (2017) Aspects méthodologiques de l'approche intégrée des comblements postglaciaires : apports pour la reconstitution de la dynamique fluviale de la Loire au cours de l'Holocène. *Géomorphologie*, 23, 1, 83-104.
- Foucher, A., Salvador-Blanes, S., Vandromme, R., Cerdan, O., Desmet, M. (2017) Quantification of bank erosion in a drained agricultural lowland catchment. *Hydrol. Processes*, 1-14
- Denux O., Dauffy-Richard E., Rossi JP., S Augustin., (2017) Rediscovery of the endangered species *Harpalus flavescens* (Coleoptera: Carabidae) in the Loire River, *Insect Conservation and Diversity*, 10,6, 488-494 DOI: 10.1111/icad.12228
- Bourrenanne H., Hirschberger F., Chartin C., Salvador-Blanes S. (2017). Spatial filtering of electrical resistivity and slope intensity : enhancement of spatial estimates of soil property. *J. of Applied Geophysics*, 138, 210-219.
- Fourcade Y., Besnard A.G., Secondi J. (2017) Evaluating interspecific niche overlaps in environmental and geographic spaces to assess the value of umbrella species. *Journal of Avian Biology* 48, 1-12
- Hortobágyi, B., D. Corenblit, F. Vautier, J. Steiger, E. Roussel, A. Burkart, J.-L. Peiry. 2017. A multi-scale approach of fluvial biogeomorphic dynamics using photogrammetry. *Journal of Environmental Management* 202, 348-362.
- Di Pietro F., Mehdi, L., Chaudron C., Moyon F. (2017) Le lit endigué de la Loire moyenne : de l'image de fleuve sauvage à la reconnaissance de son caractère anthropisé, *Norois*, 242,7-23
- Cochard A., Python J., Beaujouan V., Jagaille M., Pain G., Daniel H. (2017) Grassland plant species occurring in extensively managed road verges are filtered by urban environments. *Plant Ecology and Diversity* 10 (2-3), 217-229

Secondi J., Dupont V., Davranche A., Mondy N., Lengagne T., Théry M. (2017) Variability of surface and underwater nocturnal spectral irradiance with the presence of clouds in urban and peri-urban wetlands. *Plos One* 12 : e0186808

Defive E., Berger J.F., Poiraud A., Barra A., Bouvard E., Virmoux C., Voldoire O., Garreau A., Miras Y., Beauger A., Cabanis M., Gunnell Y., Braucher R., Dendievel A.M., Nomade S., Delvigne V., Lafarge A., Liabeuf R., Guillou H., Raynal J.P. (2017) Les flux hydro-sédimentaires dans le bassin supérieur du fleuve Loire (Massif Central, France) au cours des trois derniers millénaires : archives séquentielles, chronologie et corrélations régionales, *Quaternaire*, 28,3, 373-388.

Zingraff-Hamed A., Greulich S., Pauleit S. & Wantzen K. M. (2017) Urban and rural river restoration in France: a typology. *Restoration Ecology*, 25(6), 994-1004.

Le Gall M., Evrard O., Foucher A., Laceby J.P., Salvador-Blanes S., Manière L., Lefèvre I., Cerdan O., Ayrault S. (2017) Investigating the temporal dynamics of suspended sediment during flood events with  $^{7}\text{Be}$  and  $^{210}\text{Pb}_{\text{xs}}$  measurements in a drained lowland catchment. *Scientific Reports*, 7, 42099  
DOI : 10. 1038 / srep42099

Brun M., Di Pietro F., Bonthoux S. (2017). Residents' perceptions and valuations of urban wastelands are influenced by vegetation structure. *Urban Forestry & Urban Greening*, 29, 393-403

Grangeon T., Manière L., Foucher A., Vandromme R., Cerdan O., Evrard O., Pene-Galland I., Salvador-Blanes S. (2017) Hydrosedimentary dynamics of a drained agricultural headwater catchment : a nested monitoring approach. *Vadose Zone J.*, 16(12). DOI:10.2136/vzj2017.05.0113

Zingraff-Hamed A., Greulich S., Wantzen K.M., Pauleit S. (2017) Societal drivers of the European water governance: a comparison of urban river restoration practices in France and Germany. *Water*, 9(3), 206.

Minaudo C., Dupas R., Gascuel-Oudoux C., Fovet O., Mellander P., Jordan P., Shore M., Moatar F. 2017. Nonlinear empirical modeling to estimate phosphorus exports using continuous records of turbidity and discharge. *Water Resour. Res.*, 53, 9, 7590-7606 DOI:10.1002/2017WR020590.

Moatar F., Abbott B.W., Minaudo C., Curie F., Pinay G. (2017) Elemental properties, hydrology, and biology interact to shape concentration-discharge curves for carbon, nutrients, sediment and major ions. *Water Resour. Res.*, 53, 2, 1270-1287 DOI:10.1002/ 2016WR019635.

Andromme R., Foucher A., Cerdan O., Salvador-Blanes S. (2017) Quantification of bank erosion of artificial drainage network using LiDAR data. *Zeitschrift für Geomorphologie*, 61, 1, 1-10.