

Liste des publications 2017 de l'Observatoire AgrHys

Bell, M.: Emission, dispersion et dépôt d'ammoniac de l'échelle de la parcelle à l'échelle du paysage., PhD Thesis <http://www.theses.fr/2017NSARD083/document>, 2017.

Denis, M.: Mécanismes de solubilisation et transfert de matières organiques dissoutes à l'échelle d'un bassin versant agricole : apport de l'étude de la composition moléculaire, PhD Thesis <http://www.theses.fr/2017REN1S045/document>, 2017.

Denis, M., Jeanneau, L., Pierson-Wickman, A.-C., Humbert, G., Petitjean, P., Jaffrézic, A. and Gruau, G.: A comparative study on the pore-size and filter type effect on the molecular composition of soil and stream dissolved organic matter, *Organic Geochemistry*, 110, 36–44, <https://doi.org/10.1016/j.orggeochem.2017.05.002>, 2017a.

Denis, M., Jeanneau, L., Petitjean, P., Murzeau, A., Liotaud, M., Yonnet, L. and Gruau, G.: New molecular evidence for surface and sub-surface soil erosion controls on the composition of stream DOM during storm events, *Biogeosciences*, 14(22), 5039–5051, <https://doi.org/10.5194/bg-14-5039-2017>, 2017b.

Dupas, R., Mellander, P.-E., Gascuel-Oudou, C., Fovet, O., McAleer, E. B., McDonald, N. T., Shore, M. and Jordan, P.: The role of mobilisation and delivery processes on contrasting dissolved nitrogen and phosphorus exports in groundwater fed catchments, *Science of The Total Environment*, 599–600, 1275–1287, <https://doi.org/10.1016/j.scitotenv.2017.05.091>, 2017.

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Gu, S.: Release of dissolved and colloidal phosphorus from riparian wetlands : a field and laboratory assessment of the mechanisms and controlling factors, PhD Thesis <http://www.theses.fr/2017REN1S063/document>, 2017.

Gu, S., Gruau, G., Dupas, R., Rumpel, C., Crème, A., Fovet, O., Gascuel-Oudou, C., Jeanneau, L., Humbert, G. and Petitjean, P.: Release of dissolved phosphorus from riparian wetlands: Evidence for complex interactions among hydroclimate variability, topography and soil properties, *Science of The Total Environment*, 598, 421–431, <https://doi.org/10.1016/j.scitotenv.2017.04.028>, 2017.

Guénet, H., Davranche, M., Vantelon, D., Bouhnik-Le Coz, M., Jardé, E., Dorcet, V., Demangeat, E. and Jestin, J.: Highlighting the wide variability in arsenic speciation in wetlands: A new insight into the control of the behavior of arsenic, *Geochimica et Cosmochimica Acta*, 203, 284–302, <https://doi.org/10.1016/j.gca.2017.01.013>, 2017.

Jaffrezic, A.: Carbone organique dissous et résidus médicamenteux vétérinaires : sources et transferts dans les agrohydrosystèmes, HDR, 2017.

Matos-Moreira, M., Lemerrier, B., Dupas, R., Michot, D., Viaud, V., Akkal-Corfini, N., Louis, B. and Gascuel-Oudou, C.: High-resolution mapping of soil phosphorus concentration in agricultural landscapes with readily available or detailed survey data: High-resolution mapping of soil phosphorus, *European Journal of Soil Science*, 68(3), 281–294, <https://doi.org/10.1111/ejss.12420>, 2017.

Minaudo, C., Dupas, R., Gascuel-Oudou, C., Fovet, O., Mellander, P.-E., Jordan, P., Shore, M. and Moatar, F.: Nonlinear empirical modeling to estimate phosphorus exports using continuous records of turbidity and discharge: P EXPORTS FROM TURBIDITY AND DISCHARGE, *Water Resources Research*, 53(9), 7590–7606, <https://doi.org/10.1002/2017WR020590>, 2017.

Pierson-Wickmann, A.-C.: Les Transferts de matières à la surface de la Terre: apports de la géochimie isotopique à différentes échelles de temps, HDR, 2017.