

Liste des publications 2016 de l'Observatoire M-Tropics

Alsdorf, D., Beighley, E., Laraque, A., Lee, H., Tshimanga, R., O'Loughlin, F., Mahé, G., Dinga, B., Moukandi, G. and Spencer, R. G. M.: Opportunities for hydrologic research in the Congo Basin, *Reviews of Geophysics*, 54(2), 2016RG000517, <https://doi.org/10.1002/2016RG000517>, 2016.

Boithias, L., Choisy, M., Souliyaseng, N., Jourdren, M., Quet, F., Buisson, Y., Thammahacksa, C., Silvera, N., Latsachack, K., Sengtaeuanghoung, O., Pierret, A., Rochelle-Newall, E., Becerra, S. and Ribolzi, O.: Hydrological Regime and Water Shortage as Drivers of the Seasonal Incidence of Diarrheal Diseases in a Tropical Montane Environment, *PLOS Neglected Tropical Diseases*, 10(12), e0005195, <https://doi.org/10.1371/journal.pntd.0005195>, 2016.

Evrard, O., Lacey, J. P., Huon, S., Lefèvre, I., Sengtaeuanghoung, O. and Ribolzi, O.: Combining multiple fallout radionuclides ( $^{137}\text{Cs}$ ,  $^7\text{Be}$ ,  $^{210}\text{Pb}$ s) to investigate temporal sediment source dynamics in tropical, ephemeral riverine systems, *Journal of Soils and Sediments*, 16(3), 1130–1144, <https://doi.org/10.1007/s11368-015-1316-y>, 2016.

Jouquet, P., Guilleux, N., Caner, L., Chintakunta, S., Ameline, M. and Shanbhag, R. R.: Influence of soil pedological properties on termite mound stability, *Geoderma*, 262(Supplement C), 45–51, <https://doi.org/10.1016/j.geoderma.2015.08.020>, 2016a.

Jouquet, P., Bottinelli, N., Shanbhag, R. R., Bourguignon, T., Traoré, S. and Abbasi, S. A.: Termites: The Neglected Soil Engineers of Tropical Soils, *Soil Science*, 181(3/4), 157–165, <https://doi.org/10.1097/SS.000000000000119>, 2016b.

Jouquet, P., Chintakunta, S., Bottinelli, N., Subramanian, S. and Caner, L.: The influence of fungus-growing termites on soil macro and micro-aggregates stability varies with soil type, *Applied Soil Ecology*, 101(Supplement C), 117–123, <https://doi.org/10.1016/j.apsoil.2016.02.001>, 2016c.

Lacombe, G., Ribolzi, O., de Rouw, A., Pierret, A., Latsachak, K., Silvera, N., Pham Dinh, R., Orange, D., Janeau, J.-L., Soulileuth, B., Robain, H., Tacoen, A., Sengphaathith, P., Mouche, E., Sengtaeuanghoung, O., Tran Duc, T. and Valentin, C.: Contradictory hydrological impacts of afforestation in the humid tropics evidenced by long-term field monitoring and simulation modelling, *Hydrology and Earth System Sciences*, 20(7), 2691, <https://doi.org/10.5194/hess-20-2691-2016>, 2016.

Le, H. T., Ho, C. T., Trinh, Q. H., Trinh, D. A., Luu, M. T. N., Tran, H. S., Orange, D., Janeau, J. L., Merroune, A., Rochelle-Newall, E. and Pommier, T.: Responses of Aquatic Bacteria to Terrestrial Runoff: Effects on Community Structure and Key Taxonomic Groups, *Frontiers in Microbiology*, 7, 889, <https://doi.org/10.3389/fmicb.2016.00889>, 2016.

Ngo, P. T., Rumpel, C., Janeau, J.-L., Dang, D.-K., Doan, T. T. and Jouquet, P.: Mixing of biochar with organic amendments reduces carbon removal after field exposure under tropical conditions, *Ecological Engineering*, 91(Supplement C), 378–380, <https://doi.org/10.1016/j.ecoleng.2016.01.011>, 2016.

- Nguyen, H. T. M., Billen, G., Garnier, J., Rochelle-Newall, E., Ribolzi, O., Servais, P. and Le, Q. T. P.: Modelling of faecal indicator bacteria (FIB) in the Red River basin (Vietnam), *Environmental Monitoring and Assessment*, 188(9), 517, <https://doi.org/10.1007/s10661-016-5528-4>, 2016a.
- Nguyen, H. T. M., Le, Q. T. P., Garnier, J., Janeau, J.-L. and Rochelle-Newall, E.: Seasonal variability of faecal indicator bacteria numbers and die-off rates in the Red River basin, North Viet Nam, *Scientific Reports*, 6, 21644, <https://doi.org/10.1038/srep21644>, 2016b.
- Pierret, A., Maeght, J.-L., Clément, C., Montoroi, J.-P., Hartmann, C. and Gonkhamdee, S.: Understanding deep roots and their functions in ecosystems: an advocacy for more unconventional research, *Annals of Botany*, 118(4), 621–635, <https://doi.org/10.1093/aob/mcw130>, 2016.
- Pulla, S., Riotte, J., Suresh, H. S., Dattaraja, H. S. and Sukumar, R.: Controls of Soil Spatial Variability in a Dry Tropical Forest, *PLOS ONE*, 11(4), e0153212, <https://doi.org/10.1371/journal.pone.0153212>, 2016.
- Regard, V., Carretier, S., Boeglin, J.-L., Ndam Ngoupayou, J.-R., Dzana, J.-G., Bedimo Bedimo, J.-P., Riotte, J. and Braun, J.-J.: Denudation rates on cratonic landscapes: comparison between suspended and dissolved fluxes, and  $^{10}\text{Be}$  analysis in the Nyong and Sanaga River basins, south Cameroon, *Earth Surface Processes and Landforms*, 41(12), 1671–1683, <https://doi.org/10.1002/esp.3939>, 2016.
- Ribolzi, O., Rochelle-Newall, E., Dittrich, S., Auda, Y., Newton, P. N., Rattanavong, S., Knappik, M., Soulileuth, B., Sengtaheuanghoung, O., Dance, D. A. B. and Pierret, A.: Land use and soil type determine the presence of the pathogen *Burkholderia pseudomallei* in tropical rivers, *Environmental Science and Pollution Research*, 23(8), 7828–7839, <https://doi.org/10.1007/s11356-015-5943-z>, 2016a.
- Ribolzi, O., Evrard, O., Huon, S., Rochelle-Newall, E., Henri-des-Tureaux, T., Silvera, N., Thammahacksac, C. and Sengtaheuanghoung, O.: Use of fallout radionuclides ( $^7\text{Be}$ ,  $^{210}\text{Pb}$ ) to estimate resuspension of *Escherichia coli* from streambed sediments during floods in a tropical montane catchment, *Environmental Science and Pollution Research*, 23(4), 3427–3435, <https://doi.org/10.1007/s11356-015-5595-z>, 2016b.
- Rochelle-Newall, E. J., Ribolzi, O., Viguier, M., Thammahacksa, C., Silvera, N., Latsachack, K., Dinh, R. P., Naporn, P., Sy, H. T., Soulileuth, B., Hmimum, N., Sisouvanh, P., Robain, H., Janeau, J.-L., Valentin, C., Boithias, L. and Pierret, A.: Effect of land use and hydrological processes on *Escherichia coli* concentrations in streams of tropical, humid headwater catchments, *Scientific Reports*, 6, 32974, <https://doi.org/10.1038/srep32974>, 2016.
- Trinh, D. A., Luu, T. N. M., Trinh, Q. H., Tran, H. S., Tran, T. M., Le, T. P. Q., Duong, T. T., Orange, D., Janeau, J. L., Pommier, T. and Rochelle-Newall, E.: Impact of terrestrial runoff on organic matter, trophic state, and phytoplankton in a tropical, upland reservoir, *Aquatic Sciences*, 78(2), 367–379, <https://doi.org/10.1007/s00027-015-0439-y>, 2016.