

- Bach, P.M., McCarthy, D.T. & Deletic, A. 2010, "Redefining the stormwater first flush phenomenon", *Water research*, vol. 44, no. 8, pp. 2487-2498.
- Bach, P.M., McCarthy, D.T. & Deletic, A. 2010, "The development of a novel approach for assessment of the first flush in urban stormwater discharges", *Water Science and Technology*, vol. 61, no. 10, pp. 2681-2688.
- Bratières, K., Schang, C., Deletić, A. & McCarthy, D.T. 2012, "Performance of enviss™ stormwater filters: Results of a laboratory trial", *Water Science and Technology*, vol. 66, no. 4, pp. 719-727.
- Chandrasena, G.I., Deletic, A., Ellerton, J. & McCarthy, D.T. 2012, "Evaluating Escherichia coli removal performance in stormwater biofilters: A laboratory-scale study", *Water Science and Technology*, vol. 66, no. 5, pp. 1132-1138.
- Chandrasena, G.I., Deletic, A. & McCarthy, D.T. 2013, "Evaluating Escherichia coli removal performance in stormwater biofilters: A preliminary modelling approach", *Water Science and Technology*, vol. 67, no. 11, pp. 2467-2475.
- Daly, E., Kolotelo, P., Schang, C., Osborne, C.A., Coleman, R., Deletic, A. & McCarthy, D.T. 2013, "Escherichia coli concentrations and loads in an urbanised catchment: The Yarra River, Australia", *Journal of Hydrology*, vol. 497, pp. 51-61.
- Deletic, A., Dotto, C.B.S., McCarthy, D.T., Kleidorfer, M., Freni, G., Mannina, G., Uhl, M., Henrichs, M., Fletcher, T.D., Rauch, W., Bertrand-Krajewski, J.L. & Tait, S. 2012, "Assessing uncertainties in urban drainage models", *Physics and Chemistry of the Earth*, vol. 42-44, pp. 3-10.
- Dotto, C.B.S., Deletic, A., McCarthy, D.T. & Fletcher, T.D. 2011, "Calibration and sensitivity analysis of urban drainage models: MUSIC rainfall/runoff module and a simple stormwater quality model", *Australian Journal of Water Resources*, vol. 15, no. 1, pp. 85-93.
- Dotto, C.B.S., Kleidorfer, M., Deletic, A., Fletcher, T.D., McCarthy, D.T. & Rauch, W. 2010, "Stormwater quality models: Performance and sensitivity analysis", *Water Science and Technology*, vol. 62, no. 4, pp. 837-843.
- Dotto, C.B.S., Kleidorfer, M., Deletic, A., Rauch, W., McCarthy, D.T. & Fletcher, T.D. 2011, "Performance and sensitivity analysis of stormwater models using a Bayesian approach and long-term high resolution data", *Environmental Modelling and Software*, vol. 26, no. 10, pp. 1225-1239.
- Dotto, C.B.S., Mannina, G., Kleidorfer, M., Vezzaro, L., Henrichs, M., McCarthy, D.T., Freni, G., Rauch, W. & Deletic, A. 2012, "Comparison of different uncertainty techniques in urban stormwater quantity and quality modelling", *Water research*, vol. 46, no. 8, pp. 2545-2558.
- Feng, W., Hatt, B.E., McCarthy, D.T., Fletcher, T.D. & Deletic, A. 2012, "Biofilters for stormwater harvesting: Understanding the treatment performance of key metals that pose a risk for water use", *Environmental Science and Technology*, vol. 46, no. 9, pp. 5100-5108.
- Guest, R.M., Schang, C., Deletic, A. & McCarthy, D.T. 2012, "Zinc-sulphate-heptahydrate coated activated carbon for microbe removal from stormwater", *Water Science and Technology*, vol. 66, no. 7, pp. 1582-1589.
- Li, Y.L., Deletic, A., Alcazar, L., Bratières, K., Fletcher, T.D. & McCarthy, D.T. 2012, "Removal of Clostridium perfringens, Escherichia coli and F-RNA coliphages by stormwater biofilters", *Ecological Engineering*, vol. 49, pp. 137-145.
- McCarthy, D.T. 2009, *A traditional first flush assessment of E. coli in urban stormwater runoff*.

- McCarthy, D.T., Deletic, A., Mitchell, V.G. & Diaper, C. 2013, "Predicting between-event variability of escherichia coli in urban storm water", *Journal of Environmental Engineering (United States)*, vol. 139, no. 5, pp. 728-737.
- McCarthy, D.T., Deletic, A., Mitchell, V.G. & Diaper, C. 2011, "Development and testing of a model for Micro-Organism Prediction in Urban Stormwater (MOPUS)", *Journal of Hydrology*, vol. 409, no. 1-2, pp. 236-247.
- McCarthy, D.T., Deletic, A., Mitchell, V.G. & Diaper, C. 2010, "Sensitivity analysis of an urban stormwater microorganism model", *Water Science and Technology*, vol. 62, no. 6, pp. 1393-1400.
- McCarthy, D.T., Deletic, A., Mitchell, V.G., Fletcher, T.D. & Diaper, C. 2008, "Uncertainties in stormwater E. coli levels", *Water research*, vol. 42, no. 6-7, pp. 1812-1824.
- McCarthy, D.T., Hathaway, J.M., Hunt, W.F. & Deletic, A. 2012, "Intra-event variability of Escherichia coli and total suspended solids in urban stormwater runoff", *Water research*, vol. 46, no. 20, pp. 6661-6670.
- McCarthy, D.T., Mitchell, V.G., Deletic, A. & Diaper, C. 2007, *Escherichia coli in urban stormwater: Explaining their variability*.
- Mitchell, V.G., Deletic, A., Fletcher, T.D., Hatt, B.E. & McCarthy, D.T. 2007, *Achieving multiple benefits from stormwater harvesting*.
- Mitchell, V.G., McCarthy, D.T., Deletic, A. & Fletcher, T.D. 2008, "Urban stormwater harvesting - sensitivity of a storage behaviour model", *Environmental Modelling and Software*, vol. 23, no. 6, pp. 782-793.
- Sidhu, J.P.S., Ahmed, W., Gernjak, W., Aryal, R., McCarthy, D., Palmer, A., Kolotelo, P. & Toze, S. 2013, "Sewage pollution in urban stormwater runoff as evident from the widespread presence of multiple microbial and chemical source tracking markers", *Science of the Total Environment*, vol. 463-464, pp. 488-496.
- Tang, J.Y.M., Aryal, R., Deletic, A., Gernjak, W., Glenn, E., McCarthy, D. & Escher, B.I. 2013, "Toxicity characterization of urban stormwater with bioanalytical tools", *Water research*, .
- Yong, C.F., McCarthy, D.T. & Deletic, A. 2013, "Predicting physical clogging of porous and permeable pavements", *Journal of Hydrology*, vol. 481, pp. 48-55.