

Publications

Book Chapter:

Mandal, A., Gordon-Smith, D.-A. & Harris, P.-G. Groundwater availability and security in the Kingston Basin, Jamaica. in *Global Groundwater: Source, Scarcity, Sustainability, Security and Solutions* (eds. Mukherjee, A. et al.) (Elsevier, 2020).

Journal Articles:

Paulino, S., Gordon-Smith, D.-A., Buddo, D., Bokuniewicz, H., Rapaglia, J. & Zaggia, L. Occurrence of submarine groundwater discharge (FSGD) in six embayments along the north coast of Jamaica. *Caribbean Journal of Earth Science* 51 (2019).

Gordon-Smith, D.-A. & Greenaway, A. M. Submarine groundwater discharge and associated nutrient fluxes to Discovery Bay, Jamaica. *Estuar. Coast. Shelf Sci.* 230, 106431 (2019).

Lamm, A., Brown, O. & Gordon-Smith, D.-A. Antimicrobial assay and phytochemical analysis of *Verbesina karsticola* Proctor. *Jamaican J. Sci. Technol.* 27, 27 (2017).

Lamm, A., Brown, O. & Gordon-Smith, D.-A. Endemic Plants in the Cockpit Country: Jamaica's Treasure. *Jamaican J. Sci. Technol.* 25, 27 (2014).

Greenaway, A. M. & Gordon-Smith, D.-A. The effects of rainfall on the distribution of inorganic nitrogen and phosphorus in Discovery Bay, Jamaica. *Limnol. Oceanogr.* 51, 2206–2220 (2006).

Technical Reports:

Harrison, W., A. Mandal, D-A. Gordon Smith, et al. (2019). Assessment of the Kingston Hydrologic Basin (JAM7003) Final Report. International Atomic Energy Agency. National Water Commission, Water Resources Authority, University of the West Indies.

Greenaway A.M., D-A. Gordon-Smith (2011). Discovery Bay Report. University of the West Indies, Discovery Bay Marine Laboratory publication number 681.

Greenaway A.M., D-A. Gordon-Smith (2001). A Guide to effecting a Coastal Water Quality Monitoring Sampling Exercise Coastal Water Quality Improvement Project (CWIP-14).

Greenaway A.M., D-A. Gordon-Smith (2001). Ocho Rios Marine Park Water Quality Monitoring Program: Results from first twelve months. Coastal Water Quality Improvement Project (CWIP-14)

Conference Presentations/Posters (since 2017):

Gordon-Smith, D.-A., W. Harrison-Smith, L. Lakeman, A. Mandal, G. Marshall, K. McFarlane, N. Patterson, M. Street. Assessment of the water resources in the Kingston Hydrologic Basin, Jamaica, using isotope techniques. International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes CN-271, International Atomic Energy Agency, Vienna, Austria, May 2019.

Gordon-Smith, D-A., A. Mandal, G. Skrzypek, E. Myers, L. Heng. Stable isotope compositions of surface waters in Jamaica: case studies from Rio Cobre and the Milk River Watersheds. International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes CN-271, International Atomic Energy Agency, Vienna, Austria, May 2019.

Coore, K., S. Palmer, D-A. Gordon-Smith. Coral Reef Health and Water Quality of the Port Royal Cays, Jamaica, 11th Faculty of Science and Technology Conference, UWI, Kingston, Jamaica. April 2018.

Richards, A.T., D-A. Gordon-Smith. The potential impact of submarine groundwater discharge on the nutrient budgets along the coasts of Discovery Bay and Portland, Jamaica. 11th Faculty of Science and Technology Conference, UWI, Kingston, Jamaica, April 2018.

Coates, K.M., D-A Gordon-Smith, M. J. Burn, J. Smol, S. E. Palmer. Sedimentary records of anthropogenic impacts and climate variability from a tropical, urban estuary: a 150-year palaeoenvironmental reconstruction of Kingston Harbour, Jamaica. 11th Faculty of Science and Technology Conference, UWI, Kingston, Jamaica, April 2018.

Gordon-Smith, D-A., R.N. Peterson, L.E. Peterson, S. Paulino, H. Bokuniewicz. Submarine groundwater discharge and associated nutrient fluxes to the north coast of Jamaica. Geological Society of America Annual Meeting Abstracts with Programs, Seattle, Washington, USA. October 2017.

Paulino, S., D-A. Gordon-Smith, D. Buddo, H. Bokuniewicz, J. Rapaglia, L. Zaggia. Radon tracers of submarine groundwater discharge in Jamaica, W.I. Goldschmidt 2017, Paris, France, August 2017.