Cole B. Brookson - Publications & Presentations

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PUBLICATIONS

In review, or revisions

Green, S.J., **Brookson, C.B.**, Hardy, N., Crowder, L.B. (*In Review*). Trait-based approaches to global change ecology: from description to prediction, *Proceedings of the Royal Society B: Biological Sciences*

Brookson, C.B., Kirk, D., Rochman, C.M. (*In Revisions*). Combining ecotoxicology and classic ecological models to predict the effects of microplastics on the growth and viability of aquatic populations. *Ecology and Evolution.*

Published or Accepted

Bodner, K., Rauen Firkowski, C., Bennett, J., **Brookson, C.**, Dietze, M., Green, S. ... Fortin,M.-J. (*In Press*). Bridging the divide between ecological forecasts and environmental decision-making. *Ecosphere.*

Linardich, C., **Brookson, C.B.**, Green, S.J., (*2021*). Trait-based vulnerability reveals hot spots of potential impact for a global marine invader. *Global Change Biology. 27(18).* 4322-4338.

Brookson C.B., Krkošek, M., Hunt, B.P.V., Johnson, B.T., Rodgers, L.A., Godwin, S.C. (*2020*). Differential infestation of juvenile Pacific salmon by parasitic sea lice in British Columbia, Canada. *Canadian Journal of Fisheries and Aquatic Sciences. 77(12)*, 1960-1968.

Brookson, C.B., de Solla, S.J., Fernie, K.J., Cepeda, M., Rochman, C.M. (*2019*). Microplastics in the diet of an obligate piscivore, double-crested cormorants (*Phalacrocorax auratus*), in a freshwater ecosystem. *Canadian Journal of Fisheries and Aquatic Sciences. 76(11)*, 2156-2163.

Rochman, C.M., **Brookson C.B.**, Bikker, J., Djuric, N., Earn, A., Bucci, K., Athey, S., ... , Borrelle, S. (*2019*). Rethinking Microplastics as a Diverse Contaminant Suite. *Environmental Toxicology & Chemistry. 38(4)*, 703-711.

PRESENTATIONS

NOTE: *Italic* font indicates invited speaker.

American Fisheries Associated Annual Meeting - Online (Sept 2020) "A trait-based approach to predicting predator-prey dynamics under climate change"

Canadian Society for Ecology & Evolution Annual Meeting – Edmonton, Canada *(May 2020) "Prey-switching as a method of persistence for predatory species under climate change"* Cancelled due to SARS-CoV-2

North Pacific Maine Science Organization Annual Meeting (PICES) – Victoria, Canada (Oct 2019) "A trait-based approach to predicting predator-prey uncoupling under climate change"

Ocean Awareness Symposium - David Thomas King School, Edmonton, Canada (Oct 2019) "Living in the Bath Tub – Climate Change and the Effects on our Ocean Ecosystems"

Canadian Society for Ecology & Evolution Annual Meeting – Fredericton, Canada (Aug 2019) "A combined ecotoxicological and classical ecological modeling approach predicts microplastics may be affecting the growth and viability of Daphnia Magna populations in aquatic ecosystems"

University of Toronto EEB Undergraduate Research Fair - Toronto, Canada (April 2019) "Differential Infection of Juvenile Pacific Salmon by Parasitic Sea Lice"

University of Toronto Undergraduate Research Conference - Toronto, Canada (Jan 2019) "Microplastics in the diet of an obligate piscivore, double-crested cormorants (*Phalacrocorax auratus*), in a freshwater ecosystem"

International Science Day - John Fraser SS, Toronto, Canada (Nov 2018) "What's in the Water? Aquatic Ecology & Ecosystem Conservation in the Age of Plastic"

University of Toronto EEB Undergraduate Research Fair - Toronto, Canada (April 2018) "The Effects of Climate and Land Use Change on Beta Diversity of Breeding Birds in Southern Ontario."

Earth Day Symposium – Humberside CI, Toronto, Canada (March 2018) "Plastic Pollution in Aquatic Ecosystems"