

> **Nina M. D. SCHIETTEKATTE**

Fish-mediated functions on coral reefs

Soutenance de thèse

Mercredi 30 juin 2021 à 15h00
58, avenue Paul Alduy
Batiment U, Salle A5
Perpignan



JURY

Sean R. CONNOLLY

Professeur, Smithsonian Tropical Research Institute, Panama
Rapporteur

Maria DORNELAS

Professeure, University of St Andrews, UK
Rapporteuse

Isabelle CÔTÉ

Professeure, Simon Fraser University, Colombie-Britannique, Canada
Examinatrice

Stéphanie MANEL

Directrice d'Études, École Pratique des Hautes Études (EPHE)
UMR CEFE, Montpellier
Examinatrice

Valeriano PARRAVICINI

Directeur d'Études, École Pratique des Hautes Études (EPHE)
USR CRIOBE Perpignan
Directeur de thèse

Sébastien VILLÉGER

Chargé de recherche, CNRS, UMR MARBEC Montpellier
Co-Directeur de thèse

Abstract

Preserving coral reef functioning is a critical challenge of the 21st century. As fishes represent a high proportion of consumer biomass on coral reefs, they govern a large part of the storage and flux of nutrients and energy – functions. In light of the ongoing human-induced degradation of coral reef ecosystems and the important role of coral reef fishes, it is crucial to increase our knowledge concerning fish-mediated functions on coral reefs (i.e. their contribution to fluxes of carbon, nitrogen, and phosphorus through consumption, growth, excretion, and egestion). However, the data and tools to appropriately quantify them are sparse, and, assessments of ecosystem functioning in coral reefs are largely based on proxies such as biomass. In this thesis, I sought to advance our understanding of fish-mediated functions through a variety of novel methods and their use to quantify elemental fluxes at the organismal and community level.



Soutenance accessible sur Zoom :

<https://upvd.zoom.us/j/95287969553?pwd=d2oybkpJWFJ3UIRNNXQvT2l2MlIk2dz09>

ID de réunion : 952 8796 9553 - Code secret : 840980

