

造礁サンゴのストレス応答

Stress responses of reef-building corals

*樋口 富彦¹*Tomihiko Higuchi¹

1. 東京大学大気海洋研究所

1. Atmosphere and Ocean Research Institute, The University of Tokyo

Over the past several decades, coral reef ecosystems have experienced various stresses and extensive degradation due to increased anthropogenic activity. Reef-building corals respond to stress in various ways (e.g. bleaching, etc.). Corals exhibit defense mechanisms such as mycosporine-like amino acids against stresses, although many of these functions have not yet been clarified. Understanding the defense mechanisms in corals could provide important information for finding solutions to stress-related responses such as coral bleaching. In this presentation, I describe coral bleaching, oxidative stress, antioxidant activities as responses and defense mechanisms against environmental stressors including high temperature, low temperature, eutrophication, and ultraviolet radiation.

キーワード：造礁サンゴ、環境ストレス応答、白化現象

Keywords: reef-building corals, stress response, coral bleaching