Q-AOS

ブラウンバッグセミナー

Brown Bag Seminar No.049

Recorded data will be uploaded

Online (Zoom)

Scan here for Registration

2022 5.18 (wed.) 12:10 ~ 12:50

12:10-12:15 ◆ Introduction

12:15-12:40 ◆ Seminar (Presentation)

12:40-12:50 ◆ Q&A

https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_nv088WygSfK79FgrUlaw3g

Supported by Kyushu University,Q-AOS & TEMDEC

The interaction between the environment and humans as deciphered from reef corals

Chair: **Assoc. Prof. Toshinori TANAKA** (Research Promotion Coordinator of Q-AOS)

Assistant Professor Yamazaki Atsuko

Department of Earth and Planetary Sciences Faculty of Sciences, Faculty of Sciences, Kyushu University

Reef corals live in the boundary between the land, sea, atmosphere, and humans, sensitively recording environmental changes on their skeletons. Reef corals grow their skeletons with annual rings. The chemical compositions in coral skeletons provide the changes in past water temperature, salinity, solar radiation, nutrients, etc., on a high-resolution time scale (weekly to monthly) during hundreds to thousands of years, the period of coral life. It is an important environmental archive in tropical and subtropical regions with few observations. Furthermore, using fossil corals makes it possible to read the environment in which prehistoric people lived. In this seminar, I would like to introduce changes in the global environment as revealed by the record of reef corals and the history of the interaction between the environment and humans, based on my fieldwork experience in tropical and subtropical regions.

PhD. in Natural History Sciences, Graduate School of Science, Hokkaido University. My research focuses on coral reef formation, marine nutrient cycles, and climate change. I engaged in research and teaching at AORI, University of Tokyo, GEOMAR Helmholtz Centre for Marine Research Kiel, and Graduate School of Science, Hokkaido University. I have been appointed as Assistant Professor at the Department of Earth and Planetary Science, Graduate School of Science, Kyushu University, since 2018. In 2014, I established the KIKAI Institute for Coral Reef Sciences as a research base on my field, Kikaijima Island, and am practicing research in the fusion of the humanities and sciences industry-academia-government.

Key Words

"reef corals"

"global environmental changes"

"tropical-subtropical oceans"

Q-AOS

Contact Information Kyushu University Institute for Asian and Oceanian Studies (Q-AOS) 744 Motooka, Nishi-Ku, Fukuoka-City, 819-0395, JAPAN Tel: +81-092-802-2603