

Cruise Summary

1. Cruise Information

(1) **Cruise ID:** KM21-E02

(2) **Vessel:** R/V KAIMEI

(3) **Cruise Title**

In situ biodegradability tests on newly developed biodegradable materials and investigations on their controlling factors

(4) **Chief Scientist**

Hidetaka Nomaki (JAMSTEC)

(5) **Representative of the Science Party**

JC20-06 Hidetaka Nomaki (JAMSTEC)

(6) **Research Titles**

JC20-06 In situ biodegradability tests on newly developed biodegradable materials and investigations on their controlling factors

(7) **Cruise Period**

2021/02/02 - 2021/02/06

(8) **Ports of departure/call/arrival**

Yokosuka - Yokosuka

(9) **Research Area**

Sagami Bay

2. Overview of the Observation

We conducted two dives at off Hatsushima and off Misaki of Sagami Bay, Japan. We deployed biodegradable plastic sample chambers, attached microbe recovery plates on the deep-sea floor. We also collected surface sediment, organisms, a piece of land plant, debris for the analyses of chemical conditions, compositions and metabolisms of organisms. We further tested the Deep-Sea Freezer alpha, which can freeze the deep-sea samples in situ.