

Foraminiferal psuedopodial observation during chamber formation Foraminiferal psuedopodial observation during chamber formation

TOYOFUKU, Takashi^{1*} ; NAGAI, Yukiko¹ ; Y. MATSUO, Miki¹ ; OHNO, Yoshikazu² ; FUJITA, Kazuhiko²
TOYOFUKU, Takashi^{1*} ; NAGAI, Yukiko¹ ; Y. MATSUO, Miki¹ ; OHNO, Yoshikazu² ; FUJITA, Kazuhiko²

¹JAMSTEC, ²University of Ryukyus

¹JAMSTEC, ²University of Ryukyus

Foraminifera, marine unicellular organism, have been considered as one of the major carbonate producer in ocean. Their calcareous tests are broadly utilized as paleo-environmental indicators in various studies of earth science because their tests have been archived as numerous fossil in sediment for long time and various environmental information are brought by population, morphology and geochemical fingerprints. The knowledge about the cytological process on carbonate precipitation has been described for couples of decade using by OM, SEM and TEM. Foraminiferal management of shell formation from ambient seawater are of great interest. Our study shows the potential to understanding the function of psuedopodial network for biomineralization by optical microscope.

キーワード: Foraminifera, Calcification

Keywords: Foraminifera, Calcification