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鹿島灘における海洋投入土砂の長期的移動と堆積 Long-term migration and deposition of dumped sediment on the Kashima Coast

伴野 雅之 1* , 清家 弘治 2 , 小松原 純子 3 , 栗山 善昭 1 Masayuki Banno 1* , Koji Seike 2 , Junko Komatsubara 3 , Yoshiaki KURIYAMA 1

1 港湾空港技術研究所, 2 東京大学大気海洋研究所, 3 産業技術総合研究所

¹Port and Airport Research Institute, ²Atmosphere and Ocean Research Institute, The University of Tokyo, ³National Institute of Advanced Industrial Science and Technology

It is important to understand offshore sedimentation processes for predicting long-term morphological changes in the nearshore zone. In this study, we investigated the whereabouts of sediments, which were dumped into the sea in large amounts in the past on the Kashima Coast, by dating radiocarbon ages of shells contained in the seabed to understand the offshore sedimentation processes. The older-than-normal shells specially contained in the dumped sediments were used as tracers, because the sediments were derived from excavating the ground. We estimated the amount and the history of depositions, caused by dumping sediments, in some depths of water. The result confirmed that the dumped sediments were deposited on offshore seabed, which had potential to migrate onshore, and would influence the morphological changes in the nearshore zone.

キーワード: 海洋投入土砂, 鹿島港, 鹿島灘, 沖域, 堆積速度, C14 年代測定法

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