

## Physical destruction and chemical dissolution of foraminiferal tests in allochthonous benthic assemblages

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<http://geos.ees.hokudai.ac.jp/GEOSUser/uchida/index.html>

Benthic foraminifera, which is responsive to various environmental factor, has been used for paleoenvironmental reconstruction, but those with allochthonous specimens in large part have been disregarded from the analysis. Such allochthonous assemblages may be proxies on transportation and deposition of sediment, when we can understand the relationship between preserved condition of tests and environmental factors . Thus, we tried to estimate the degree of physical destruction and chemical dissolution of foraminiferal tests in surface sediments.

As a result, it is recognized that both of physically damaged and chemically dissolved specimens increase with water depth. In addition, most of smaller specimens are usually transported but larger ones are winnowed in that area.