

Importancen of high-resolution and high density radiocarbon dating for the late Quaternary paleoenvironmental studies

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Recent developments of mass spectrometry enable us to conduct high-precision and high-resolution dating on samples to study paleoenvironmental conditions during the Quaternary. In particular, radiocarbon dating using small accelerator mass spectrometers is a highlight, and combinations with statistical analyses reveal detailed histories of the Earth's surface environment. In this presentation, we will introduce some new knowldges regarding paleoenvironments using high resolution radiocarbon dating.

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