

## An Effort toward better elucidation of paleoenvironmental events by decoding carbon isotopic curves

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Plume activity may have controlled sea level,  $p\text{CO}_2$  and therefore, ecosystems on surface of the earth. Conspicuous excursions of carbon isotopic signals across major time-stratigraphic boundaries suggest that major modifications of ecosystems were accompanied by considerable turnover of the carbon cycle. A carbon isotopic event reflects global contemporaneous phenomenon and offers a chemostratigraphic datum plane as well as basic data for calculating carbon budget between ocean-atmosphere system and out of the system. Carbon isotopic fluctuation of atmospheric  $\text{CO}_2$  was estimated from isotopic curves from the Upper Cretaceous sequences. It offers a good example suggesting important role of carbon isotopic study on decoding paleoenvironment.