

## Dating sediments from a terrace found in Iguape – Icapara in southeast coast in the state of São Paulo, Brazil

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According to literature proposed that sea cost plane formation was highly influenced by the relative sea level variations in the holocenic to pleistocene period. They claim that in the states of São Paulo down to Rio Grande do Sul in south and southeast cost some of the formation specially the terraces are due to high sea levels of about  $8 \pm 2\text{m}$  with respect to present sea level at about 120.000 years ago. In the state of São Paulo in the region of city of Iguape at about ten Km north there is place called Icapara where is a large sand terrace that should be as old as 120.000 years [1]. No one up to now proved this assertion we collected samples from three different level of the terrace sediments samples level of the terrace sediments samples and dated these samples using TL and EPR technique.

At 8 m above present sea level in the terrace the dating results say that it was formed at about 20 to 30 thousand years ago at the meeting results on samples collected from 6,5m and 12m layer of the terrace will be presented.

**Keywords:** Sediments, Sand Terrace, Dating, Iguape, Thermoluminescence, Resonance Paragnetic Electronic.

[1] Martin L., Suguio K., Flexor J.M. Hauts niveaux marins pléistocènes du littoral brésilien. *Palaeogeography, palaeoclimatology, palaeoecology*, 68:231-239. 1988.

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