

# Paleoclimatic Registers from Semi-arid Coastal Sediments of Southeastern India: A Multi Proxy Approach

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**Abstract** The red sand dunes appear along the south east, -west coast of Tamil Nadu, India between the latitudes and longitudes of 8°07'56"N to 8°22'11"N; 77° 19'84"E to 77°53'40"E. The dune sands from this region were studied through magnetic methods such as magnetic susceptibility measurements and acquisition of isothermal remanent magnetization, geochemistry and X-ray diffraction methods. Optically stimulated luminescence (OSL) dating method was used to constrain the chronology of deposits. Three sections were excavated up to 5–9.5 m with one inland deposit (TPV) and two near coastal sections (THOP and MUT).

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Celeste Gomes—deceased

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O. Abdalla et al. (eds.), *Water Resources in Arid Areas: The Way Forward*,  
Springer Water, DOI 10.1007/978-3-319-51856-5\_1

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