

## PALEONTOLOGY AND STRATIGRAPHY OF THE KARABURUN (İSTANBUL) MARINE OLIGOCENE

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ABSTRACT.- The Karaburun formation, unconformably overlying the reefal limestone of Soğucak formation of Middle-Upper Eocene age, starts transgressively by the clastic shore-line deposits. In the coarse clastic horizons of the beach sediments, a benthic foraminiferal fauna is present besides *Nummulites vascus* Joly ve Leymerie (A ve B forms) characterizing the Lower Oligocene period. Towards the end of the early Oligocene, the Globigerinidae and Coccolithophora were enriched within the planktic fauna developed by the deepening of the marine environment. By the regression occurred towards the end of the Middle Oligocene, the deep marine depositional environment was transformed into deltaic conditions. Spores and pollens derived from the various deltaic facies indicated that in the region, these deltaic environments were lasted until the Middle Miocene period