

APPLIED MICROPALAEONTOLOGY : CADOSINIDAE AND
STOMIOSPHAERIDAE FAMILIES IN CUBA.

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Thin section analysis of *Stomosphaeridae* and *Cadosinidae* families
in the Jurassic/Cretaceous boundary are very significant in “Maiolica
or Biancone” facies of the Great Ecuatorial Tethys, where Cuba forms
part of the Caribbean Tethys.

These sediments have been found from the Island of Maio up to the
Caribbean area.

The study of these pelagic microfossils is carried out for first time in
Cuba. The paper presents analytical results of the material collected
during the 1986-1992 geological mapping in Pinar del Río and Las
Villas province.

The biozonation of the Jurassic and Cretaceous sedimentary
complexes can be accomplished without any contingent errors only
on the following basis : a detailed investigation of the primary
structural character of test section in transmitted reflected and
polarized light, combined with a careful assessment of micrometric
data and and post-sedimentary change of the tests (recrystallization,
depigmentation of the wall, diagenetic new formations on the test
surface).

In this paper, new species for the Caribbean region are described.