



# PALYNOLOGICAL STUDY OF THE DUBRAJPUR FORMATION IN THE MESOZOIC SUCCESSION, PACHAMI AREA, BIRBHUM COALFIELD, WEST BENGAL

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## ABSTRACT

The Dubrajpur Formation, about 128.00 m thick in the subsurface non-marine Mesozoic succession of the Pachami area, Birbhum Coalfield, has been subjected to palynological study to determine its geological age. Recovery of diversified microfloras in this formation, mainly from the three boreholes DPD-3,6&15, has revealed two Palynozones — (i) *Contignisporites cooksoniae*, and (ii) *Murospora florida*. These palynozones indicate an age from Middle to Late Jurassic for the studied part with a phase of non-deposition of strata to represent the time span from late Early Triassic to early Middle Jurassic at the base of the Dubrajpur Formation.

**Key words:** Palynology, Mesozoic, Dubrajpur Formation, Birbhum Coalfield