

PALYNOLOGICAL LEVELLING OF THE EOCENE FORMATION
COVERING THE BAUXITE DEPOSITS IN HUNGARY

L. Rákosi

Abstract

A significant portion of the Hungarian bauxite deposits are covered by Eocene formations that protected the bauxite deposits from denudation.

The present study describes the palynological levelling of the covering layers of three important bauxite areas.

In the Nagytárkány region the bauxite is directly covered by clay and coal clay the flora of which belongs to the *Plicapollis pseudoexcelsus* - *Tripoporopollenites urkutensis* Assemblage zone. In the transgressive layers above already the several flora microplankton and the characteristic species belonging to the *Tricolporopollenites cingulum* Assemblage zone are predominating.

In the Dudar-Bakonyoszlop area the good-quality bauxite deposits are covered by lymnic brown coal layers belonging to the *Polypodiaceoisporites macrospeciosus* Assemblage zone.

Accumulation of the upper layer of the bauxite at Nagyegyháza - Csordakút - Mány took place in the Eocene in the period of the *Polypodiaceoisporites macrospeciosus* Assemblage zone. These layers are of lymnic origin. The main workable coal deposits belong to the *Monocolpopollenites tranquillus* Assemblage zone.