

**PALYNOLOGICAL STUDY OF THE VOLHYNIAN DEPOSITS FROM THE  
CIOFOAIA BROOK (MOLDAVIAN PLATFORM) – PALAEOCLIMATIC AND  
PALAEOENVIRONMENTAL IMPLICATIONS**

GABRIEL CHIRILĂ<sup>1</sup>, DANIEL ȚABĂRĂ<sup>1</sup>

<sup>1</sup> “Al. I. Cuza” University of Iași, Faculty of Geography and Geology, Department of  
Geology, 20A Carol I Blv., 700505 Iași, Romania

**Abstract**

The study area is located 10 km east of the city of Fălticeni (Suceava County), in the Preutești village. According to Țibuleac (1998), the age of the deposits from the Ciofoaia brook is Volhynian. 12 samples were collected from the outcrop, out of which 4 were used for palynological investigations. In order to reconstruct the palaeoclimate based on the palynological record, the “Coexistence Approach” (CA) (Mosbrugger and Utescher, 1997) method was applied. Taxa belonging to the *Pinaceae*, *Taxodiaceae*, *Fagaceae*, *Ulmaceae*, and *Juglandaceae* families were identified among the palynomorphs. An abundant dinoflagellate association was observed, especially in sample P321, where the main taxa were assigned to the *Homotryblium* genus.

**Keywords:** Moldavian Platform, palynology, palaeoclimate, Volhynian, Preutești..

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<sup>1</sup> e-mail: gabiflogeoc@yahoo.com