

**NEW PROPOSALS FOR PROTECTED NATURAL AREAS IN THE RARĂU
SYNCLINE (EASTERN CARPATHIANS, ROMANIA)
I. JURASSIC**

ILIE TURCULEȚ¹, PAUL ȚIBULEAC¹

¹„Al.I.Cuza” University of Iași, Department of Geology, 20A Carol I Blv., 700505 Iași,
Romania

Abstract

Rarău Syncline represents a significant structural-geological unit of the Median Dacides (Eastern Carpathians) with conspicuous implications in the understanding of the evolution of the Alpine-Carpathian belt. This paper selects several Jurassic sedimentary outcrops and brings paleontological and stratigraphical data as arguments for the necessity of their protection and conservation in the near future. The following outcrops are proposed: the Early Liassic olistolith of Prașca peak, the mid-Liassic olistolith of Prașca stream, the ophiolites with sedimentary enclaves of Măcieș hill, the Aalenian olistolith of Măgura hill, the Bajocian klippe of Pojorâta, the Dogger outcrop of Tătarca stream, and the Bathonian exotic block of Valea Seacă stream. In the exposure of each outcrop several steps were followed: kind of protected area (after IUCN classification), geo-tectonic unit, lithostratigraphy, access, scientific arguments, reason of protection, present phase of conservation and protection; protection measures, historical approach, collections.

Key words: geoconservation, paleontological outcrops, Jurassic, Rarău Syncline, Romania.

¹ e-mail: ilie.turculet@gmail.ro