

**GEO THERMOMETRICAL CONSIDERATIONS ON THE
CONȚU-NEGOVANU PEGMATITES (LOTRU-CIBIN MTS.)**

DELIA ANNE-MARIE ANDRONE¹

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

Abstract

The aim of this paper is to provide data on the geothermometrical range of crystallization conditions of the pegmatites belonging to the Conțu-Negovanu area, in the Lotru-Cibin Mountains. Previous research carried out mainly by means of XRF, EMPA and ICP-MS provided important geochemical data which are used in the assessment of temperatures involved during pegmatite crystallization. Several metamorphically calibrated geothermometers were considered, such as garnet-biotite, muscovite-paragonite, Sc and Li accommodation in biotite. The obtained temperatures show different ranges for the two pegmatite types, indicating an early crystallization stage for the FPs and a later one for the LPs.

Keywords: lithian pegmatites, feldspar-mica pegmatites, XRF, EMPA, ICP-MS, geothermometers.

¹ e-mail: andronedelia@yahoo.com