

МАЛИНОВСКИЙ

**LITHOCHEMICAL COMPOSITION OF TERRIGENOUS ROCKS OF ZHURAVLEVKA  
TERRANE (SIKHOTE-ALIN) AND ITS GEODYNAMIC INTERPRETATION**

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The paper describes results from study of chemical composition of the Berriasian-Albian terrigenous rocks of Zhuravlevka terrane (Sikhote-Alin). Interpretation of data was based on comparison of chemical composition of recent sediments and ancient deposits accumulated in the known geodynamic settings. Such approach makes it possible to consider the terrane terrigenous rocks as the deposits of the basin related to a transform-plate margin setting with a low profile of volcanic processes. The major provenance of detrital material delivered to the basin was the eroded metamorphic rocks and granite of the mature continental crust. At the same time, the fragments of the pre-Cretaceous active margin that included accretionary prisms with slices of chert were the constituting part of the source area.

*Keywords: lithochemistry, terrane, terrigenous rocks, geodynamic settings, transform margins.*