

# **PLANT INDICATION OF THE KOLKA GLACIER SURGE ON THE 20.09.2002 – THE INSTRUMENT OF THE LONG-TERM PROGNOSTICATION OF GLACIAL CATASTROPHES IN THE GENALDON RIVER VALLEY**

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**Abstract.** The possibility of plant indication consequences of glacier Kolka surge in September, 20, 2002 is set. The resulted arguments convincingly prove actuality of plant indication methods for exposure of glacial catastrophes tracks in the landscape. The noted conformities can be used as an instrument of prognostication, in particular for the search of valleys, potentially dangerous in regard to a defeat avalanche-type streams and glacial mudflows in different mountain regions.

*Keywords:* Kolka glacier, Genaldon river, glacial catastrophe, plant indication, dating, avalanche-type stream (ultramudflow), glacial mudflow.