

# Periglacial Geomorphology

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Periglacial geomorphic research has experienced considerable resurgence in recent years, this has been the result of concern for the possible consequences of global warming on permafrost distribution in arctic and subarctic, as well as alpine environments. Substantial research contributions in periglacial geomorphology have been made, but current research endeavours by North American periglacial geomorphologists have largely gone unrecognized. This volume contains the invited papers from the 22nd Binghamton Geomorphology Symposium held in Buffalo, New York in September 1991.

The papers presented in the book, focus on research contributions by leading North American geomorphologists working in both arctic and alpine periglacial environments. It emphasizes recent advances in the understanding of fundamental periglacial geomorphic processes including, mechanical and chemical weathering, rock glacier mechanics and hydrology, avalanches, solifluction, stone stripe formation, active layer sliding, and seasonal ice body and palsa formation. Also addressed are aspects of theoretical periglacial geomorphology including appropriate paradigms for research endeavours, as well as the modelling of active layer processes, and the paleoenvironmental significance of periglacial processes.

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