

Lithosphere

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Lithosphere focuses on processes that affect the crust, upper mantle, landscapes, and/or sedimentary systems at all spatial and temporal scales. This peer-reviewed journal particularly welcomes, but is not limited to, submissions that document the feedback relationships among geomorphic, lithospheric, and upper mantle processes.

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COVER: The Seward Ice Field surrounded by the tallest peaks of the St. Elias Mountains at the border of SE Alaska and SW Yukon. On the left is Mount St. Elias (5489 m) and Mount Logan (5959 m) is on the right, separated by large fault zones. Investigating geologic processes at this heavily glaciated orogenic syntaxis is complicated due to the remoteness and ice cover. Thermochronologic dating of glacially derived sediments provides information on rock exhumation processes and the role of speculated and unknown structures. See “Upper crustal cooling of the Wrangellia composite terrane in the northern St. Elias Mountains, western Canada” by Sarah Falkowski and Eva Enkelmann, doi:10.1130/L508.1.

PHOTO BY: Eva Enkelmann

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