

# Geowissenschaftliches Kolloquium

## *Algal bloom in a pegmatite - an example of geo-bio-interaction in the Paleoproterozoic*

Donnerstag, 15. Juni 2017 - 16.15 Uhr

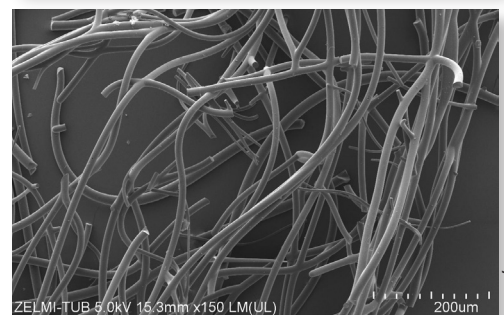
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The deep biosphere extends far into the lithosphere, but is mostly restricted to sedimentary rocks. Igneous rocks do not seem to be a typical place for interaction with the biosphere, least of all in the Precambrian. We investigated organic matter from Paleoproterozoic pegmatites: After the discovery of buddingtonite, the ammonium feldspar, which is a strong indicator for organic matter, we could identify it in different forms: in fluid inclusions; in opal; as C-H-N dominated material; and as fossil algae termed “kerite”.



- Dissertation in Experimental Petrology in Karlsruhe
- Former professor of Petrology at TU Berlin
- Field studies in the Alps, Andes, NE Africa, Münchberg area
- Current interest: crystal chemistry of tourmaline, beryl, nanoscale reaction mechanisms



Layout: FUB GeolPal/Vanessa Skiba, 20170503

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