

ABOUT THE COVER: Microbes produce various surface

appendages to help them

cover shows two microbes

they apparently dissolved the surface of the rock and extracted nutrients to support

attached to a basalt surface. As a result of their action,

attach to mineral surfaces. The

their growth. For further details,

J. A. ROBERTS, WITH PERMISSION FROM THE GEOLOGICAL SOCIETY OF AMERICA

see page 96. IMAGE COURTESY OF

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## Minerals, Microbes, and Remediation

Guest Editors: Anhuai Lu and Hailiang Dong



**Mineral-Microbe Interactions** and Implications for Remediation Hailiang Dong and Anhuai Lu

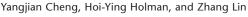


**Minerals as Substrates for Life:** The Prokaryotic View

Gordon Southam



**Remediation of Chromium and Uranium Contamination by Microbial Activity** 





Clay-Microbe Interactions and Implications for Environmental Mitigation Hailiang Dong



**Microbial Oxidation of Sulfide Tailings** and the Environmental Consequences Xiancai Lu and Hongmei Wang



**Interactions between Semiconducting Minerals** and Bacteria under Light

Anhuai Lu, Yan Li, and Song Jin



















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