

# CALL FOR PAPERS

In the last few decades, bioremediation has become a well-established research field across science and engineering disciplines. Though bioremediation research has historically focused on metabolic processes catalyzed by Bacterial community members, Archaea have long been known to play important supportive roles in these environments. The use of molecular methods, including metaomics-based techniques (metagenomics, transcriptomics, and proteomics), is helping to elucidate biotransformation pathways unique to Archaea, elevating their role from understated members to critical components of the microbial community.

This special issue will highlight new research into the roles Archaea play in bioremediation. The issue accepts high-quality articles containing original research results and review articles of exceptional merit.

Potential topics include but are not limited to the following:

- ▶ Dechlorination of xenobiotics by Archaea
- ▶ Syntrophic relationships between Archaea and Bacteria in bioremediation
- ▶ Archaeal community dynamics of pollutant-impacted systems
- ▶ Organic chemical biotransformations catalyzed by Archaea
- ▶ Archaea-mediated fate and transport of metals
- ▶ Ecology of Archaea in acid mine drainage
- ▶ Enzymology of biodegradation processes in Archaea
- ▶ Biodegradation in 'extreme' environments
- ▶ Role of Archaea in hydraulic fracturing microbial communities

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/archaea/arbi/>.

### Lead Guest Editor

Mark Krzmarzick, Oklahoma State University, Stillwater, USA  
[mark.krzmarzick@okstate.edu](mailto:mark.krzmarzick@okstate.edu)

### Guest Editors

Patrick McNamara, Marquette University, Milwaukee, USA  
[patrick.mcnamara@marquette.edu](mailto:patrick.mcnamara@marquette.edu)

Paula Mouser, Ohio State University, Columbus, USA  
[mouser.19@osu.edu](mailto:mouser.19@osu.edu)

Rosa Krajmalnik-Brown, Arizona State University, Tempe, USA  
[dr.rosy@asu.edu](mailto:dr.rosy@asu.edu)

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### First Round of Reviews

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