

Environmental Geochemistry, Mineralogy, and Microbiology of Arsenic

Reviews in Mineralogy and Geochemistry, volume 79

Editors: R.J. Bowell, C.N. Alpers, H.E. Jamieson, D.K. Nordstrom, and J. Majzlan
with 21 contributing authors

Sponsored by the Mineralogical Society of America and the Geochemical Society
Short course: Miners Foundry, Nevada City, California
June 15-16, 2014

This volume and short course will provide a comprehensive understanding of arsenic geochemistry in the near-surface environment. Topics to be covered include the mineralogy, thermodynamics, geochemistry, analysis, microbiology, and bioavailability of arsenic, with emphasis on implications for arsenic toxicity, geochemistry in natural groundwaters, and mine-associated impacts and possible mitigation options. In addition to the volume editors, authors and instructors will include: Petr Drahota, Michal Filippi, Kate Campbell, Erich Königsberger, Andrea Foster, Christopher Kim, Jan Amend, Chad Saltikov, Valerie Mitchell, Albert Juhasz, Nicholas Basta, Perry Myers, Mathew Leybourne, Dan Millsap, Tamsen Burlak, and Dave Craw.

It is anticipated that the short course and RIMG volume will be useful for those seeking to understand arsenic geochemistry and biological interactions in the near-surface environment as well those working for mining companies, the chemicals industry, NGO's or government bodies concerned with reducing risks to human health and the impact of arsenic on the environment.

The short course will take place immediately following the Goldschmidt conference in Sacramento in June 2014 and is preceded by a one-day field trip (June 14th, 2014) to the Empire Mine and associated arsenic-contaminated sites undergoing remediation. The field trip has separate registration but it is arranged such that participants can stay in Nevada City overnight afterwards to attend the short course. A limited number of hotel reservations have been made for field trip and short course participants — for details, see the Goldschmidt conference web site (link below). Participants in the short course and field trip do not have to register for the Goldschmidt conference, but may wish to consider a one-day registration to attend the oral sessions (on June 13th) and poster presentations (late afternoon on June 12th) that will focus on arsenic geochemistry, bioavailability, and bioaccessibility (session 20g). The deadline for submitting abstracts to the conference February 8, 2014. The deadline for field trip registration is April 8, 2014, and the deadline for short course registration is May 8, 2014. To register, visit: <http://goldschmidt.info/2014/>. If you wish to register for the short course (and/or field trip) without attending the Goldschmidt conference, contact helpdesk@goldschmidt.info.

Meals and refreshments, course attendance, and a hard copy of volume 79 of *Reviews in Mineralogy and Geochemistry* will be provided to all registrants. (Lodging is not included.)

The cost of the short course will be:

Members (MSA, GS, DMG, EAG, EMU, and GSJ)	\$467
Non-members	\$578
Students	\$208