

Call for Papers

A special issue of *Environmental Science & Technology* entitled “***Environmental and Geochemical Aspects of Carbon Sequestration.***”

Guest Editors: Young-Shin Jun, Daniel Giammar, and Charlie Werth
Associate Editor: David Dzombak

Submission due date: April 1, 2012

Publication date: January, 2013

If you are interested in submitting your paper, please send a 200 word abstract (including the tentative title and author list) to Young-Shin Jun (Washington University, ysjun@seas.wustl.edu) by **November 15th**. We will review the abstracts very soon after this date, and we will then invite you to submit a full paper if your topic fits the theme of the special issue. Authors invited to submit full papers may do so as soon as their manuscripts are ready, and they do not need to wait until the April 1, 2012 deadline to submit. The review process for submitted manuscripts will begin immediately after the manuscripts are submitted. If your topic is not deemed a good fit for the special issue, you can still submit your manuscript to ES&T through the regular submission process.

The special issue will focus on the following aspects of carbon sequestration: (1) *New information on geochemical reactions and new technologies* that are essential to designing sequestration strategies, predicting their performance, and assessing potential risks. Relevant processes include dissolution-precipitation reactions and other interfacial reactions, gas hydrate formation, and CO₂ conversion. These processes may have geochemical, geophysical, and biological effects during CO₂ storage. (2) *Multi-phase and multiscale reactive transport experiments and simulations* for predicting sequestration performance. These simulations involve coupling of chemical reactions with transport. (3) *Environmental risk management of geologic carbon sequestration*, including monitoring and remediation of leaks from formations and assessing the integrity of

capping formations and well seals. (4) *Other investigator-initiated ideas related to carbon sequestration.*

Submittal of full manuscripts by April 1, 2012 is required for consideration to be included in the special issue, which is scheduled for publication in January 2013.

1. On the Paragon Plus submission site authors should mark the manuscript for the "Carbon Sequestration" special issue. In addition, the cover letter should mention (prominently) that the manuscript is being submitted for that issue.
2. The review process will be conducted as per ES&T standards. Invited papers are not assured of acceptance.
3. All authors should read ES&T's online author guidelines and conform to format specifications. Please visit this link for the author guide:
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