InterPore JOURNAL

Call for Papers

Dear Colleagues,

We are happy to announce a future Special Issue to Interpore Journal titled: ***Coupled Flow Processes in Fractured Porous Media Across Scales: Recent Advances in Experimental and Modeling Efforts***. This special issue is associated with the Session of the same title taking place at the 2023 AGU Fall Meeting this December in San Francisco, CA, USA.

Scope and Objectives: The interaction of fluid flow with mechanical-chemical-biological-thermal-processes in fractured geological formations often governs subsurface phenomena and applications ranging from long-term radioactive waste isolation, enhanced geothermal reservoir management, groundwater remediation, carbon sequestration, and hydrogen storage.

This special issue encourages submissions of recent research focusing on mechanistic understanding and predictive capability for coupled processes in fractured media, and we are seeking submissions concerning:

1. Experimental and field observations ranging from the single fracture to network scales.
2. Theoretical and numerical modeling techniques, both computational physics-based and data-driven approaches, for simulations in individual fractures and networks.
3. The integration of experimental data with modeling efforts for both observational interpretation and model validation.
4. The applications of flow and geomechanics, solute transport, including colloids and bacteria, mixing and reaction, fluid/mineral interactions, and biofilm formation are also welcome.

This Special Issue will be open for contributions by international researchers from within and outside the group of AGU session participants.

The planned timeline for this Special Issue is as follows:

- **December 1st, 2023:** Submissions open
- **September 1st, 2024:** Deadline for manuscript submissions
- **March 1st, 2025:** Online publication of last accepted article
- **May 1st, 2025:** Official publication of the Special Issue

Process: The guest editorial team will handle the peer-review process for each paper submitted to the special issue, and all manuscripts submitted will undergo the standard review process that all other manuscripts submitted to InterPore Journal undergo. Upon submission, the manuscripts will first be checked for completeness by the Managing Editor. Following this, and pending no issues, they will then be sent to the Editor-in-Chief who will perform an initial review of each manuscript in regard to suitability before assigning it to the Lead Guest Editor, who will then manage the review process along with the other Guest Editors. Once the review round has been completed, the assigned Guest Editor will make a recommendation based on the submitted reviews. The final decision regarding accept, reject or revision will be made by the Editor-in-Chief of the journal.

Papers can be submitted via the Journal website here: Submissions

To submit a paper, one first has to login or register on the website. Following that, click on “Make a new submission” from the “Submissions” page or click on “SUBMIT NOW” from the menu header. During the first step of submission, you will be presented with a drop-down box where the "Section" can be chosen. This is where you will select "Special Issue Submission – Fractures / AGU”. Continue proceeding through all steps of the submission process, and should any issues arise, please do not hesitate to contact the Managing Editor Laura Lenz at Laura.Lenz@InterPore.org.

In addition, we hope you will support this special issue by forwarding this announcement to any colleagues whose work fits within the context of studying Coupled Flow Processes in Fractured Media Across Scales.

Best regards from the Guest Editors,
Jeffrey D. Hyman (Lead Guest Editor) - *Los Alamos National Laboratory & Colorado School of Mines, CO, USA*
Peter K. Kang - *University of Minnesota, Minneapolis, MN, USA*
Adriana Paluszny - *Imperial College London*
Jan-Olof Selroos - *Swedish Nuclear Fuel and Waste Management Company – SKB & KTH Royal Institute of Technology, Stockholm, Sweden*
Dani Or - *Department of Civil and Environmental Engineering, University of Nevada Reno, NV, USA*