

New Collaborative Project on Reactive Interfaces in Agroecosystems: Four graduate students and one Postdoctoral Fellow Positions at University of Waterloo

We invite applications for four graduate students and one Postdoctoral Fellow positions to participate in a research project to study the mechanisms of carbon and nutrient retention and elimination at critical reactive interfaces (*e.g.*, capillary fringe, riparian areas, hyporheic zone) in agro-ecosystems using a combination of data synthesis, field, laboratory, and computational approaches. The main tasks of the graduate students will be conducting laboratory, field and modeling experiments at different field sites located across soil type and landscape gradients in Ontario. The Postdoctoral Fellow will work with the graduate students to develop a generalized reactive transport modeling framework that considers the individual reactive interfaces and their hydrological and biogeochemical connectivity at the field and watershed scales.

Applicants must have specialization in biogeochemistry, hydrology, soil science or a related field. Preference will be given to candidates with demonstrated skills and experience in experimental work and numerical mathematical modeling in geochemistry, hydrogeology, environmental sciences and engineering, or a related field.

For further information regarding these positions or to submit an application, please contact Erin Jones and Nandita Basu (below). In your application email, please include:

- Your motivation for the position and research interests
- Curriculum vitae
- Copy of transcript(s)
- Contact information for up to 3 references

Nandita Basu
Department of Civil and Environmental Engineering
University of Waterloo
nandita.basu@uwaterloo.ca

Erin Jones
Ecohydrology Research Group
Department of Earth and Environmental Sciences
University of Waterloo
eljones@uwaterloo.ca

Closing date: Applications will be reviewed as they are received. The positions will remain open until filled. **We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**