

**From:** Nimish Pujara, University of Wisconsin-Madison, 06/06/2023

**Subject:** Postdoctoral openings at University of Wisconsin-Madison

We have multiple postdoctoral openings at UW-Madison in:

1. Water wave mechanics and/or fluid mechanics (desired skills: experimental water wave and fluid mechanics, flow diagnostics such as PIV, PLIF)
2. Limnology and/or environmental chemistry (desired skills: analytical chemical analysis)
3. Applied mechanics and/or ice dynamics and/or computational mechanics (desired skills: computational fluid mechanics, computational solid mechanics, mathematical modelling and mechanics)

All positions will likely involve a combination of lab, field, and modelling work. However, there is flexibility to tailor the precise project and research to the competencies and interests of selected applicants, so please do get in touch if you feel you would be qualified and interested. We will start considering applications on **June 15** and the desired start date is September 2023, but there is some flexibility in this.

E-mail Nimish Pujara ([npujara@wisc.edu](mailto:npujara@wisc.edu)) with your CV and a brief paragraph describing your research and educational background.

### More details

This is an opportunity to work in a supportive, collaborative, and multi-disciplinary team with other researchers, with mentoring from multiple faculty in different departments. In addition, UW-Madison offers many professional development opportunities to postdocs (<https://postdoc.wisc.edu/careers/>) and faculty mentors will be able to provide additional support to develop and reach career goals. Madison as a city is also an attractive place to live and work (<https://gradlife.wisc.edu/living-in-madison/>). All postdoctoral appointments will be for an initial period of 1 year, with renewal for a 2nd year based on satisfactory performance.

### Project description

Lakes are very important resources for humanity, since they store freshwater, support biodiversity, sequester carbon, and provide space for recreation. To better predict how lakes respond to management practices and how they will influence and be influenced by climate change, we aim to bring together diverse researchers and tools to investigate how wave-driven processes across scales and seasons could hold the key to predicting coupled physical and biological aspects of lake dynamics. Topics of investigation could include, but are not limited to, the role of waves and fluid motions in driving particulate motion, triggering and quenching algal blooms, driving aerosol formation, influencing ice formation and break up, and mediating under-ice processes

### Contacts

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