



Graduate Fellowship Information and Pre-Application Instructions for 2022-23

Application Deadline: May 6, 2022, at 11:59 PM Pacific Time

Award Announcement, July 2022 • Award Distribution: September 2022

Overview of the NWRI Fellowship Program

National Water Research Institute (NWRI) periodically awards funding to support graduate student research related to water science and technology, water resources management, and water policy and regulations.

Pre-applications are being accepted until May 6, 2022, for the 2022–2023 academic year.

Funded research must support NWRI’s mission to advance water resources science, policy, and innovation. Research areas include drinking water treatment process engineering, design, and planning; physical, chemical, biological, or health sciences; environmental and natural resources sciences; political sciences and public policy; water resource economics; and regulatory issues.

To be eligible for an award, students must be enrolled full-time in an accredited graduate program in the United States. Funds are provided by the NWRI Fellowship Funding Partners and NWRI Member Agencies.

NWRI Fellowship Funding Partners

American Membrane Technology Association (AMTA)

The mission of AMTA is to promote and advance the application of membrane technology to create safe, affordable, and reliable water supplies, and to treat municipal, industrial, and agricultural wastewater for beneficial reuse. [Click here](#) to learn more about AMTA.

Southern California Salinity Coalition (SCSC)

SCSC is a coalition of water and wastewater agencies in Southern California dedicated to managing salinity in our water supplies. They support research to address the critical need to remove salt from water supplies and preserve water resources. [Click here](#) to learn more.



NWRI Member Agencies

NWRI Member Agencies are water and wastewater utilities in Southern California that support our mission to collaborate with utilities, regulators, and researchers in innovative ways to help develop new, healthy sources of drinking water.

Inland Empire Utility Agency

Irvine Ranch Water District

Los Angeles Department of Water and Power

Orange County Sanitation District

Orange County Water District

Fellowships Offered in 2022

NWRI Member Agency Graduate Fellowship: \$5,000

Research must be related to developing and/or enhancing drinking water supplies and water resources in general. Research topics may include new treatment technologies, improvements to existing treatment and management technologies, sustainability including treatment energy efficiency, water policy and regulation, and natural resource economics.

NWRI-AMTA Graduate Fellowships for Membrane Technology: \$10,000

Research must be related to the advancement of membrane technology in the water, wastewater, or water reuse industries, and must be consistent with AMTA's mission to solve water supply and quality issues through the widespread application of membrane technology. Research topics may include membrane bioreactors, fouling and scaling control, efficiency (removal and recovery energy use), pretreatment processes, and membrane materials. AMTA fellowship recipients are required to attend the annual AMTA/AWWA Membrane Technology Conference.

NWRI-Southern California Salinity Coalition Graduate Fellowship: \$10,000

The student must be enrolled at an accredited college or university in Southern California. Research must address the critical need to remove or reduce salts from water supplies and to preserve water resources in Southern California. Research topics may include concentrate management, institutional and regulatory/policy issues, economic analysis, and innovative treatment technologies.



Complete Your Pre-Application

1. NWRI Fellowship Pre-Application Form and Project Proposal

Download and complete the Fellowship Pre-Application Form and Project Proposal from the NWRI website at <https://www.nwri-usa.org/fellowship>. Using a minimum 11-point font, use the template provided. Your entire project summary should be limited to one page.

In the form, write a short description of your background along with your project title and hypothesis. Give a short overview of your research project methods and goals.

Submit Your Pre-Application

All pre-application forms must arrive as a single PDF by email (mcollins@nwri-usa.org) on or before 11:59 PM Pacific Time on **May 6, 2022**, to qualify for consideration. Name the file with your name using the format “Last Name_First Name”

Attach the PDF to an email addressed to mcollins@nwri-usa.org. In the subject line, type 2022 Fellowship Application [Your Name]. Include your name, email address, and phone number in the body of your email message.

Fellowship Terms and Requirements

NWRI will email all pre-applicants to let them know if they will be invited to continue with the full application process, or not. Students who are awarded a fellowship will receive a follow-up email outlining the terms and conditions of the fellowship. Funds will be sent directly to the university. NWRI fellowship selections and awards are final.

Fellows must meet the following requirements:

The fellow must be continuously enrolled as a full-time graduate student at an accredited college or university in the United States. Fellows will provide short progress reports to NWRI by the required deadline. The progress reports may be posted to the NWRI website and shared with the NWRI e-newsletter recipients as well as the NWRI Partners, Member Agencies, and Corporate Associates.

Fellows may be asked to participate in events sponsored by NWRI and partners. For example, the AMTA fellows must attend the annual AMTA/AWWA Membrane Technology Conference.

For more information, visit <https://www.nwri-usa.org/fellowship>.

Contact: Mary Collins, National Water Research Institute, mcollins@nwri-usa.org



2022-2023 Fellowship Pre-Application Form and Project Proposal

Applicant Information

First Name: _____ Last Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Email: _____

Academic Background

Current School: _____
Department: _____
Major: _____
Graduation Date mo/yr: _____ Current GPA: _____

Current Program Year: *(Please select one)*

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Master's Year 2 | <input type="checkbox"/> PhD Year 3 |
| <input type="checkbox"/> PhD Year 1 | <input type="checkbox"/> PhD Year 4 |
| <input type="checkbox"/> PhD Year 2 | |

Research Project Topic (Select all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Advanced Treatment Technologies | <input type="checkbox"/> Policy and Regulation |
| <input type="checkbox"/> Basic Science/Exploratory Research | <input type="checkbox"/> Recycled Water/Water Reuse |
| <input type="checkbox"/> Biological Treatments | <input type="checkbox"/> Stormwater Capture and Use |
| <input type="checkbox"/> Decentralized Systems | <input type="checkbox"/> Stormwater Treatment/TMDLs |
| <input type="checkbox"/> Desalination (seawater + brackish) | <input type="checkbox"/> Sustainability/Integrated Systems |
| <input type="checkbox"/> Disinfection Processes | <input type="checkbox"/> Water and Energy Nexus |
| <input type="checkbox"/> Economics (water + wastewater) | <input type="checkbox"/> Water Quality Monitoring |
| <input type="checkbox"/> Membrane Technologies | <input type="checkbox"/> Watershed Management |
| <input type="checkbox"/> Planning and Design | <input type="checkbox"/> Other: _____ |

Project Start Date: _____ Project End Date: _____

Project Title: _____

Fellowship Applied For. (Check all that apply.)

- NWRI Member Agency Fellowship
- NWRI-AMTA Membrane Technology Fellowship
- NWRI-Southern California Salinity Coalition Fellowship

Application Checklist

- NWRI Fellowship Pre-Application Cover Sheet and Checklist (this document)
- Summary of Goals/Original Research Description (following page)

Application Submission Process

- Complete and save this PDF and name the file as your “Last Name_First Name”
- Email the PDF to mcollins@nwri-usa.org before 11:59 PM (Pacific) on May 6, 2022.

Contact:

mcollins@nwri-usa.org

For more information, visit

<https://www.nwri-usa.org/fellowship>

Original Research Proposal Summary

Using a minimum 11-point font, use this page to provide brief descriptions of you, the name of your project proposal, and an overview of your project. **Please limit your summary to this single page.**

Briefly Summarize Your Background

Your Project Proposal

Project Title:

Hypothesis:

Project Proposal Overview

Fellowship Pre-Application FAQs 2022

The NWRI Fellowship pre-application is a screening process to streamline your application for an NWRI Fellowship. After you provide basic information about your research project, you may be invited to advance to a full application, which will include a recommendation from your advisor and additional information about your background and research project.

Submit the pre-application form as a PDF by May 6, 2022. NWRI will review pre-applications and will send invitations to continue with the full application process by May 31, 2022.

Please read the following FAQs before submitting a pre-application. For more information, please email Mary Collins at mcollins@nwri-usa.org.

Is the fellowship open to incoming graduate students? The first day of my enrollment will be after the application deadline on May 6, 2022.

No, you must be enrolled in a qualifying graduate program by the application deadline.

Is this fellowship open to students in fields other than science and technology?

Yes! This fellowship program is open to all graduate students who research water quality issues, whether that research is in science, technology, policy, or economics—and more. Carefully read the directions for each fellowship you apply for, as each carries its own qualification requirements.

Is this fellowship program open to graduate students attending schools outside of the United States?

No. To qualify for this fellowship program, you must attend a United States-based graduate program.

Is this fellowship program open to international students?

Yes. This fellowship program is open to international students who are enrolled in a United States-based graduate program. There is no US citizenship requirement.

What can I use the funds for if I am awarded a fellowship?

Fellowship awards are intended to enhance your resources, not to replace existing funding, therefore:

- The award may be used as a living expense stipend or to pay for supplies, equipment, travel for conferences and field work, training, and other expenses for your research project.
- The use of the funding will be determined by you and your advisor.
- The fellowship funding cannot be used for overhead costs charged by your university (our policy).

I sent in my application, but my research is changing to a different project or advisor. What do I do?

Please contact NWRI at mcollins@nwri-usa.org as soon as possible about changes to your research project. It's important that we know about such changes, as each fellowship has specific requirements. Changes to your research project may change your eligibility for a specific fellowship award.

If I am awarded a fellowship, is there a deadline by which the funds must be spent?

No, there is no deadline for spending funds.