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Aquaculture Research Institute

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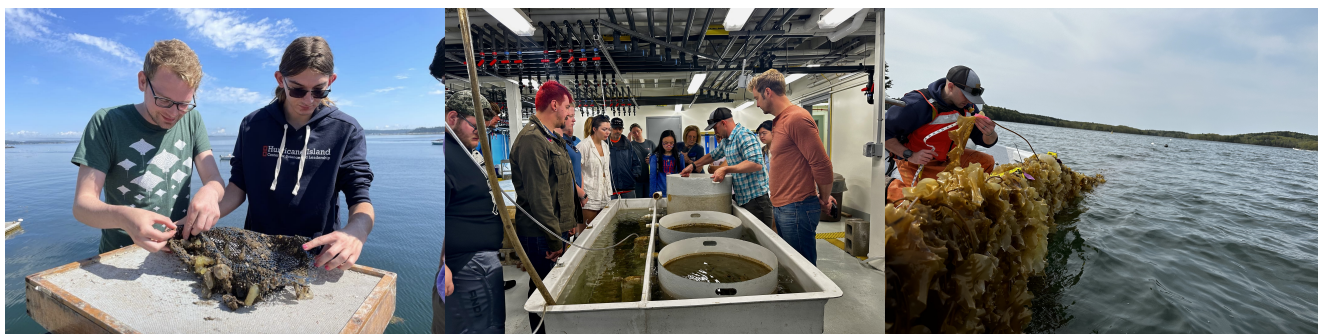


Aquaculture

Research Institute

Welcome to the Aquaculture Research Institute's newsletter where we provide updates on ARI's research, education and outreach initiatives.

Sailing through 2023 and into 2024, ARI continues to anchor Maine's aquaculture sector with research, education, and innovation. Explore our updates including the extended deadline of our AquEOUS fellowship, upcoming events, and recent publications.



ARI Education Highlights

The AquEOUS deadline has been extended!

Get those applications in by January 31st!

We're excited to remind you of the open applications for the [Aquaculture Experiential Opportunities for Undergraduate Students \(AquEOUS\) Fellowship](#) at the University of Maine's Wabanaki Center and ARI, in collaboration with Wabanaki Youth in Science. This unique program blends indigenous science with STEM, offering students a hands-on, 10-week experience at top-notch aquaculture facilities, guided by expert faculty and indigenous knowledge keepers. With a wide range of research areas, seminars, field trips, and workshops, plus a stipend and accommodations, it's an opportunity not to be missed. Apply by the extended deadline of January 31st. Questions? Email us at ari@maine.edu.

[Apply here!](#)

Maine Maritime Academy's Mariculture Certificate program

This immersive training offers a rich blend of theory and hands-on learning. Spanning 280 hours over four 10-week semesters, the curriculum covers everything from Mariculture Business Fundamentals to Regulations and Permits. The highlight? A summer apprenticeship where knowledge meets practice. Dive into diverse modules, develop essential industry skills, and navigate through business, science, and regulatory aspects with confidence. Courses start April 2nd, 2024! For inquiries contact cpmd@mma.edu.

2024 Women in Aquaculture Series

We're eager to spotlight the [2024 Women's Workshop Series for aquaculture](#), an opportunity brought to you by the Maine Aquaculture Hub in collaboration with Aquaculture in Shared Waters. Tailored for women and nonbinary aquaculturists, this

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business acumen, and safety protocols. Beyond the skills, it's a community waiting to unfold. **Get your application in by January 26th!**

Indigenous Seaweed Cultivation in Alaskan Waters

Tuesday, January 23, 2024, 4-5 PM EST is your time to engage!

Join in for a session with Keolani Booth, Tribal Councilman of the Metlakatla Indian Community. This webinar, hosted by New Hampshire Sea Grant and New York Sea Grant as part of the National Seaweed Hub initiative, is a blend of wisdom, tradition, and innovation. Keolani Booth, not just a councilman but also an Alaskan Mariculture Liaison, is at the forefront of climate and mariculture initiatives. With a vision to intertwine job creation in ocean farming with the rich heritage of Metlakatla, Keolani's journey is one of resilience and reverence for the water that defines his community.

[Registration is free of charge.](#) Questions? Reach out to Gabriela Bradt (gabriela.bradt@unh.edu) and Barry Udelson (bu25@cornell.edu).



Events and Happenings

Aquaculture America

February 18th-21st at the **San Antonio Marriott Rivercenter** (101 Bowie Street, San Antonio, TX 78205)

[Register](#) for Aquaculture America 2024 and join us in San Antonio to learn about the latest in aquaculture, see the newest technology, and get updates on exciting research and development!

ARI is chairing a special session titled **Salty Talks Podcast! Sustainable Aquaculture Research at UMaine's ARI** on Monday the 19th at 11:00 am. The session will highlight innovative ideas and strategies for sustainable aquaculture in

Maine Fisherman's Forum

February 29th–March 2nd at the **Samoset Resort** (220 Warrenton St, Rockport, ME 04856)

Join us at the 49th Fisherman's Forum where fishermen, clammers, lobstermen, aquaculturists, and other members of the seafood industry have the opportunity to get together and participate in seminars, a trade show, and other fun activities! [More details can be found here](#). ARI will have a table in the trade show during the entire forum.

ARI Research Highlights

We're excited to share [Michael Habtetsion's](#) latest research paper, titled "[Effects of Fishmeal Substitution with Mealworm Meals \(*Tenebrio molitor* and *Alphitobius diaperinus*\) on the Growth, Physiobiochemical Response, Digesta Microbiome, and Immune Genes Expression of Atlantic Salmon \(*Salmo salar*\).](#)" Michael explores the potential of mealworm meals as a sustainable alternative to fishmeal in the diet of Atlantic salmon. Mealworm meals can replace fishmeal without compromising growth or health while positively impacting the salmon's immune response. This research is another step toward more sustainable



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In case you missed NACE, here's your chance to catch up on the highlights! Delve into the details of ARI's impactful contribution at NACE, effectively aligning research with the dynamic needs of the aquaculture industry. Explore the full story and learn more [here](#).

As always, make sure to check our podcast!



PODCAST

Salty talks: Conversations on Sustainable Aquaculture in Maine

Corinne Noufi



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