

NEWS & ANNOUNCEMENTS



Fady Jameel highlights role of wetlands

The Community Jameel chairman promotes the ability of wetlands to act as natural filters that purify water by removing pollutants.

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Jeremy Gregory discusses natural carbon sinks

The executive director of MIT's Climate and Sustainability Consortium says regenerative agriculture is pivotal in mitigating climate change impacts by keeping carbon in soil in the ground.

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New J-PAL working paper looks at water audits

A study involving UK water customers found that financial incentives can reduce household water use by 17% over two months, but the net economic benefits per capita are minimal.

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MIT's ESI Fellows report on climate issues

Journalism fellows from the Environmental Solutions Initiative write about topics like extreme heat and flooding, demonstrating how local narratives can engage communities.

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MITOS' Impact Report details climate goals

The 2023 MIT Office of Sustainability report highlights MIT's contributions to climate action, including emissions goals that account for food consumption and water use on campus.

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Mircea Dincă mitigates water pollution

The past J-WAFS PI developed a battery cathode based on organic materials as an alternative to cobalt, which can contaminate water around mining sites when extracted.

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IN-DEPTH LOOK

J-WAFS PI TEAMS WITH PHILANTHROPIST TO MAKE A REAL-WORLD IMPACT

J-WAFS PI Amos Winter celebrates new global engineering research center and more

Join us in congratulating Amos Winter on his recent promotion to full professor, right on the heels of MIT's recent announcement of the establishment of the K. Lisa Yang Global Engineering and Research (GEAR) Center under his leadership. Funded by a generous \$28 million endowment from philanthropist Lisa Yang, the center will address global challenges in health, climate change, and the crucial water-energy-food nexus.



One project already underway is how to create water-saving and solar-powered irrigation solutions for farmers in the Middle East and North Africa. The team includes some members who are also in the J-WAFS community, like PhD student and J-WAFS Fellow Aditya Ghodgaonkar. He is working to design, rigorously test, and iterate prototypes both in the lab and in the field. The group is working closely with farmers, NGO partners, agricultural outreach organizations, irrigation hardware manufacturers, retailers, water and agriculture scientists, and local government officials to pilot their smart drip irrigation technologies.

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EVENTS AND OPPORTUNITIES



MIT's Sustainability Initiative Lunch Series (MIT ONLY)

Thur, Feb 15, 11:45 a.m. - 12:45 p.m. ET, Online and In-person

Those passionate about sustainability can join Jennifer Graham and Susan Todd from the Career Development Office, as they discuss the details of two MIT internship opportunities. [MORE INFO](#)



I-Corps Spark Program at MIT (OPEN TO ALL)

Tue, Feb 27 - Wednesday, March 20, 5:00 - 8:00 p.m. ET, Online

This free, three-week program is for researchers, engineers, and STEM professionals, including those with water and food innovations, who want to explore technology application through customer discovery. [MORE INFO](#)



World Water Day (OPEN TO ALL)

Friday, March 22, All day, Online

The United Nations observance day raises awareness of major water-related issues and inspires action. This year's theme is "Water for Peace." Follow J-WAFS on LinkedIn for engaging research and content on this topic, forthcoming. [MORE INFO](#)



Postdoc position in the lab of J-WAFS PI Pat Doyle (OPEN TO ALL)

Ongoing

The Doyle Lab is working on commercialization of its hydrogel technology for water treatment, focusing on the elimination of micropollutants. The postdoc will lead engineering development of prototypes among other things. [MORE INFO](#)



Cleantech Open Northeast accelerator program (OPEN TO ALL)

Deadline: Sunday, April 14

Cleantech startups, including those related to water or food, can apply to gain access to a business development program that includes expert mentors, investor networking opportunities, and more. [MORE INFO](#)



MIT Solve Global Challenges (OPEN TO ALL)

Deadline: Thursday, April 18

Those with technology to tackle a global challenge can apply to be selected for access to grants and investment funding, coaching from experts, and other benefits. Open challenge areas include sustainable food systems. [MORE INFO](#)

PUBLICATIONS



Georgia Van de Zande discusses irrigation tech

The previously-funded J-WAFS student wrote a paper with J-WAFS PI Amos Winter and others, on custom irrigation systems for farmers in East Africa.

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IN CASE YOU MISSED IT

Food systems webinar series

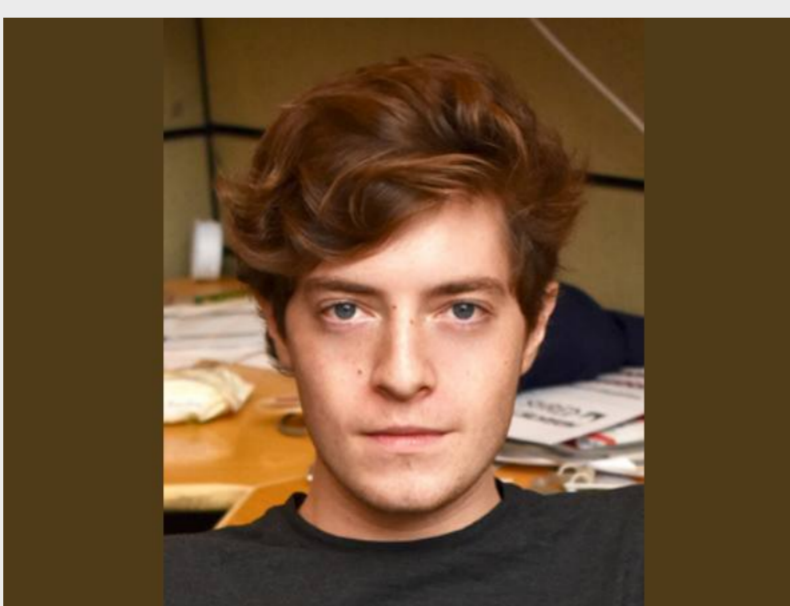
The J-WAFS-led FACT Alliance and the University of Natural Resources and Life Sciences, Vienna co-hosted events on food system fragilities amidst war, climate change, & more.

[WATCH NOW](#)

J-WAFS PI conducts field research

Dave Des Marais and his students traveled to Hawaii to conduct environmental field research and learn about Hawaii's ecosystem that is changing due to climate change.

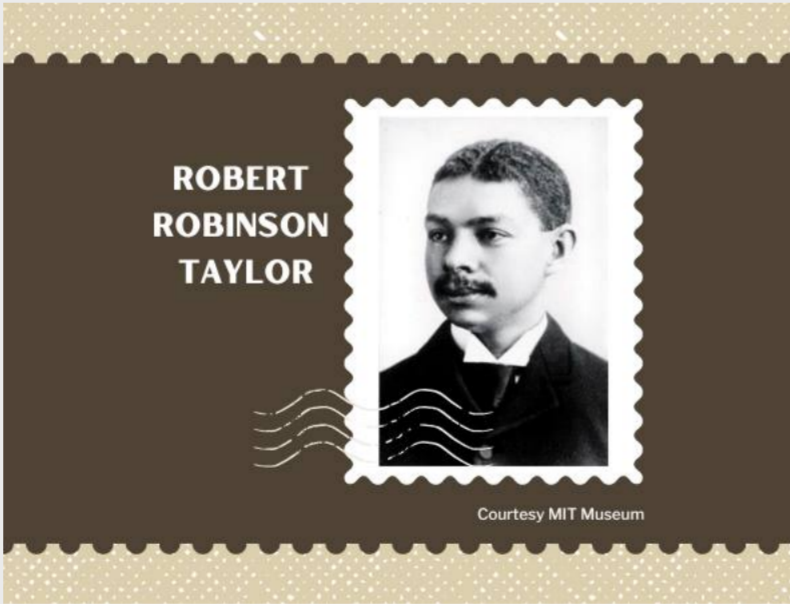
[LEARN MORE](#)



J-WAFS Fellow featured on podcast

Peter Godart, co-founder and CEO of Found Energy, which is cleaning up the fertilizer industry and more, joined the Consensus in Conversation podcast.

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First Black MIT alum founded ag institute

Robert Robinson Taylor, who established the Booker T. Washington Agricultural and Industrial Institute in Liberia, is being honored with a U.S. stamp.

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INTERESTED IN SUPPORTING J-WAFS?

When you make a gift, you are making an investment in both the future of J-WAFS and our Institute-wide work to improve the productivity, accessibility, and sustainability of the world's water and food systems.

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FOR MORE INFORMATION ABOUT SPONSORSHIP OPPORTUNITIES, CONTACT:

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J-WAFS is an Institute-wide effort that brings MIT's unique strengths to bear on the many challenges our food and water systems face.

Our program catalyzes MIT research, innovation, and technology for ensuring safe and resilient supplies of water and food while reducing environmental impact, to meet the local and global needs of a rapidly expanding and evolving population on a changing planet.



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