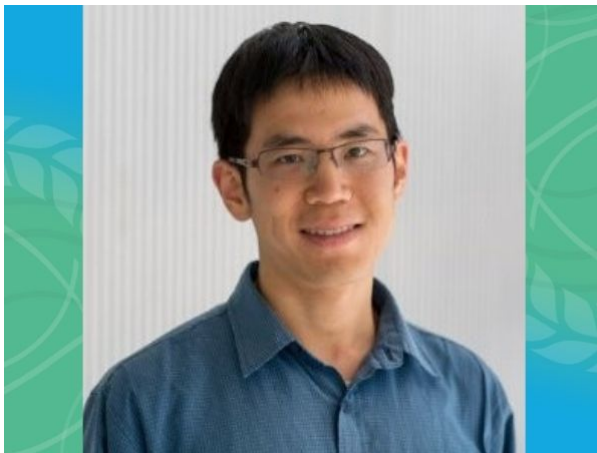


NEWS & ANNOUNCEMENTS



MIT spinout wins first £1M Earthshot Prize

Kevin Kung, who worked as a PhD and postdoc on related J-WAFS-funded projects, co-founded Takachar to help end the burning of agricultural waste.

[READ MORE](#)

J-WAFS PI seeks to improve the welfare of farmers living in poverty

Karen Zheng is tackling supply chain transparency for smallholder farmers through her multi-method approach.

[READ MORE](#)

Taylor Perron speaks on GBH podcast

Under the Radar: The Genius Next Door, hosts the J-WAFS PI who works on the evolution of landscapes on Earth and other planets.

[LISTEN NOW](#)

J-WAFS Solutions grant spinout gains \$38 million in Series B funding

Via Separations, a company co-founded by J-WAFS PI Jeffrey Grossman, uses a graphene oxide membrane technology

Community Jameel features J-WAFS researchers at COP26

In a panel discussion, J-WAFS PI Elfatih Eltahir and Greg Sixt, J-WAFS research manager for climate and food systems,

to decarbonize industrial manufacturing, with potential for applications in the food and beverage industry.

[READ MORE](#)

Microbiome monitoring system protects seaweed

MIT mechanical engineering PhD candidate Charlene Xia is developing a device that can detect and prevent bacteria and diseases before they affect seaweed, a sustainable food source.

[READ MORE](#)

MIT scientists warn South African water supplies at risk

Research conducted by the MIT Joint Program on the Science and Policy of Global Change and the International Food Policy Research Institute shows that action is needed to limit human-induced warming and secure sufficient water supplies for the population.

[READ MORE](#)

J-WAFS fellow honored by Empowering Women in Industry

Hilary Johnson won the 2021 Emerging Leader of the Year award for her variable volume pump that adapts to

spoke about their respective research that scientifically evaluates the impact of climate change on health in the Gulf states.

[WATCH NOW](#)

Bradley Olsen featured on WCVB's Chronicle

The MIT chemical engineering professor and J-WAFS PI spoke about his work to develop ways to reuse rubber and plastic for sustainability in the fashion industry instead of contaminating the food chain.

[WATCH NOW](#)

Lienhard and Karnik's teams advance in lithium extraction competition

J-WAFS director John Lienhard and J-WAFS PI Rohit Karnik are leaders of semifinalist teams for the Geothermal Lithium Extraction Prize, which awards groups for solutions that de-risk & increase market viability for direct lithium extraction.

[READ MORE](#)

J-WAFS PIs recognized for their mentoring

Karthish Manthiram and Jeffrey Grossman are among 15 MIT faculty members honored with the 2021 "Committed to Caring" award for their

variable flow rates for better energy efficiency.

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impactful advising of graduate students.

[READ MORE](#)



Diablo Canyon nuclear plant could provide desalinated water

J-WAFS director, John Lienhard is a co-author on a report that shows the nuclear plant could provide desalinated water for drought-prone California.

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FOOD AND CLIMATE SYSTEMS TRANSFORMATION (FACT) ALLIANCE

J-WAFS launches new food and climate alliance at COP26

During an event at the UN Climate Change Conference (COP26) in Glasgow, Scotland last week, J-WAFS announced the launch of the Food and Climate Systems Transformation (FACT) Alliance, a new initiative it is leading. The FACT Alliance will better connect researchers to farmers, food businesses, policymakers, and other food systems stakeholders in order to drive research-based innovation that will make the world's food systems more resilient and sustainable.

Agriculture and food production systems are increasingly at risk from weather and environmental changes driven by the climate crisis. At the same time, food systems are responsible for about one-third of the human-caused greenhouse gas emissions warming the planet. Because food systems are intricately linked to climate change, innovative technologies, policies, and practices are needed to make food systems more climate-resilient and environmentally sustainable.

J-WAFS co-hosted a COP26 side event where representatives from FACT Alliance institutions weighed in on the important work the Alliance will undertake, key among which is working with stakeholders like farmers to identify their needs and implement solutions. Greg Sixt, J-WAFS



research manager for climate and food systems, moderated the session.

“Doing research in isolation of all the stakeholders and in isolation of the goals that we want to achieve will not deliver the transformation that we need,” said Professor Pete Smith of the University of Aberdeen, a founding member. “The problem is too big for us to solve in isolation, and we need broad alliances to tackle the issue, and that’s why we developed the FACT Alliance.”

[READ MORE](#)

EVENTS

FOOD & WATER



MIT Water Summit

Monday and Tuesday, November 15-16, all day, In-person and online

Produced by the MIT Water Club, this year’s MIT Water Summit focuses on coastal cities and ecosystems. [MORE INFO](#)



Webinar on sustainable development in rural South Asia

Tuesday, November 16, 11:00 a.m. - 12:15 p.m. ET, Online

Join J-WAFS Pls Chintan Vaishnav and Bishwapriya Sanyal, as well as others for a discussion on water and food security, and other sustainable development challenges in rural South Asia. [MORE INFO](#)



Design for Climate Resiliency Walk & Talk (MIT ONLY)

Tuesday, November 16, 12:15 - 1:00 p.m. ET, In-person

Enjoy a guided walk around MIT’s newest spaces to learn about the water systems, energy solutions, and design elements that promote sustainability. [MORE INFO](#)

Post UN Food Systems Summit and COP26 event

Thursday, November 18, 8:00 - 9:30 a.m. ET, Online



This virtual event will serve as an opportunity to underscore the inextricable link between climate and food. [MORE INFO](#)



Sustainability Lunch Series (MIT ONLY)

Thursday, November 18, 11:45 a.m. - 12:30 p.m. ET, In-person and online

Join MIT Food and Ag, and Ed Fish (MBA '12, Bay State Milling Company), for a discussion on sustainability in the food and agriculture industry. [MORE INFO](#)



MIT's CEE Seminar Series (MIT ONLY)

Friday, November 19, 12:00 - 1:00 p.m., In-person and online

This environmental science discussion entitled Far from Heaven: Challenges to Safe Drinking Water in Iowa, will feature Dave Cwiertny of the University of Iowa. [MORE INFO](#)

FUNDING AND OTHER OPPORTUNITIES

J-WAFS seed grant RFP

Deadline: January 18, 2022

Open to MIT PIs

MIT PIs with early-stage projects in areas related to water and food security, safety, and sustainability should consider submitting a proposal for a J-WAFS seed grant for up to \$75K funding per year for two years, overhead free.

[MORE INFO](#)

MIT-Imperial College London Seed Fund

Deadline: December 13, 2021

Open to faculty and researchers at MIT and Imperial College London

This program awards projects focusing on the areas of climate, health, and sustainability, including projects related to securing safe drinking water and sufficient food.

[MORE INFO](#)

Xylem Engineering Leadership Development Program

MIT ESI Student Position

Deadline: ASAP

Open to MIT Students

Deadline: ASAP

Open to bachelor's or master's engineering degree graduates

J-WAFS research affiliate and water technology company Xylem, Inc. is offering a two-year program designed to accelerate professional development through technical and leadership training.

Students with proficiency in GIS are encouraged to apply for a short-term project to map poultry and swine “concentrated animal feeding organizations” across North Carolina. Please send resume/CV and a statement of your interest in the position and GIS experience to Laur Hesse Fisher, lfi@mit.edu.

[MORE INFO](#)

[MORE INFO](#)



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.

[DONATE ONLINE](#)

**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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