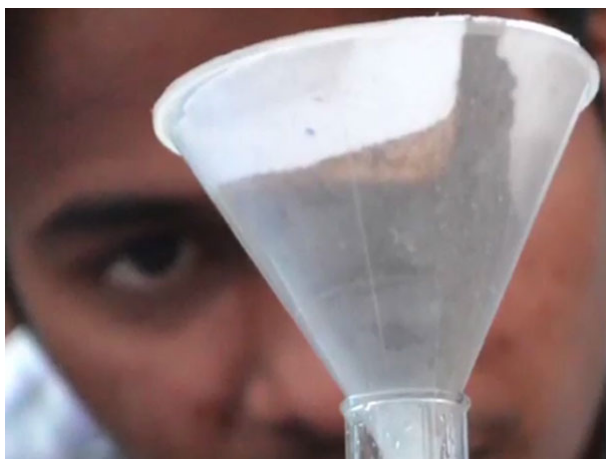
Three new J-WAFS funding opportunities, a feature piece on fertilizer innovations for Africa, and learning opportunities at MIT and beyond. Read on to find out more!

J-WAFS Abdul Latif Jameel Water & Food Systems Lab

Securing humankind's vital resources

IN THE NEWS

FEBRUARY 2019



J-WAFS Solutions Program Funds Ag Innovations

Mid-year commercialization grants are supporting innovations in soil sensing and agriculture sprays.

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J-WAFS Call for Proposals for Projects in India

MIT community: Apply by 3/18 for grants of up to $15K for water- or food-sector projects that benefit low income communities in India.

READ MORE

J-WAFS Accepting Nominations for Fellowships

MIT PhD candidates: Apply by 4/15 for a 1-semester J-WAFS fellowship during the 2019-2020 academic year. Water must be a research focus.

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Panel Sparks Dialogue about Sustainable Tech for Rural Farmers

This month, a J-WAFS seminar showcased MIT research on tractors, sensors, spoilage prevention, and digital payment strategies for smallholder farmers.

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J-WAFS Welcomes New Team Member

Join us in welcoming Archana Apte, our new communications and project assistant. Archana joins us from Northeastern University, where she is majoring in environmental studies.

READ MORE

Apply today for a 2019 J-WAFS Solutions Grant

Grants of up to $150K help commercialize MIT food/water innovations. Deadline: 2/21. (MIT only)

READ MORE

IN-DEPTH LOOK

J-WAFS SEED GRANT INNOVATIONS

Rocks Can Yield More Crops: MIT Researchers Publish Results of Research

into Fertilizers for African Soils

"It's impressive, really. We are about to know the full genome of humans, but we don't yet know how a crop uptakes nutrients."

These are the words of Antoine Allanore, associate professor of metallurgy in the Department of Materials Science and Engineering at MIT. He and members of his research team are calling on colleagues to meet food security needs with more interdisciplinary research into fertilizers and soil-plant interactions.

Supported by a 2017 J-WAFS seed grant, Allanore and members of his lab are seeking local, sustainable fertilizer solutions for African farmers and others who grow crops in tropical soils. They have recently published the results of a successful crop test that used the fertilizer they've developed from the commonly available rock K feldspar. Additionally, they've published a road map that materials scientists and others can use to develop a new generation of fertilizers suitable for African soils.

With this work, the team poses questions to others interested in sustainable agriculture: Why is there so little research on new fertilizer development? What is the cost of this lack of knowledge?

READ MORE

EVENTS

FOOD & WATER

Water Acidification and its Impact on Ocean Ecosystems

Feb. 14, 12 PM / 5-234, MIT Campus

Join the MIT Water Club for this lecture by Carolina Letitia Zilli Fieira and find out how ocean acidification is affecting coral reefs and fish populations. MORE INFO

Celebrate Water at MIT Water Night

Feb. 26, 6 PM / Walker Memorial, MIT Campus (142 Memorial Dr.)

Learn about water at this family-friendly MIT event through art, research demonstrations, posters, and more. MORE INFO

Ceres

Assessing Water Sustainability in Investors' Decision Making

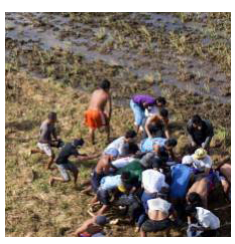
Mar. 7, 11 AM / Webinar

Join Ceres for a webinar led by Rick Hogeboom of the Water Footprint Network to discuss trends in evaluating investor water performance. MORE INFO

7th Annual MA Water Forum

Mar. 19, 11:30 AM - 1:45 PM / MA State House (24 Beacon St.)

Attend this half-day forum to discuss how Massachusetts can achieve water resilience through innovation. MORE INFO



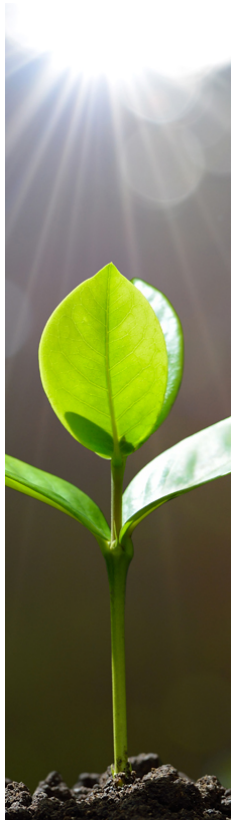
MIT Professional Ed: Inclusive Innovation for a Better World

July 22-26, 2019 / MIT D-Lab

Learn about MIT D-Lab's participatory design approach in this summer class co-taught by J-WAFS PI Amy Smith and MechE associate prof. Maria Yang. MORE INFO

MIT Students: Classes on Water, Agriculture, and Sustainability

Do you still have space in your schedule for spring 2019? If so, consider these classes. Each provides the opportunity for you to deepen your knowledge in the water, food, and/or agriculture sectors, with a particular focus on climate and sustainability.



EC.789 D-Lab: Water, Climate Change, and Health MORE INFO

EC.724 / EC.784 (G) D-Lab: Smallholder Agriculture MORE INFO

15.915 "S-Lab": Strategies for Sustainable Business MORE INFO

11.S938 Urban Ecology: Plants, People, & Climate Change MORE INFO

FUNDING

AND OTHER OPPORTUNITIES

Apply Today for a J-WAFS Solutions Grant

Deadline: Feb. 21, 2019

As stated above: Apply for grants of up to $150K to help commercialize MIT food/water innovations.
(MIT only)

MORE INFO

Apply for a MassCEC Catalyst Program Award

Deadline: Mar. 14, 2019

Submit clean water technology innovations developed in MA to MassCEC for commercialization awards of up to $65K.

MORE INFO

J-WAFS Call for Proposals for Projects in India

Deadline: Mar. 18, 2019

As stated above: Apply for grants of up to $15K for water- or food-sector projects that benefit low income communities in India.
(MIT only)

MORE INFO

J-WAFS Accepting Nominations for Fellowships

Deadline: Apr. 15, 2019

As stated above: Apply for a 1-semester J-WAFS fellowship during the 2019-2020 academic year. Water must be a research focus. *(MIT only)*

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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