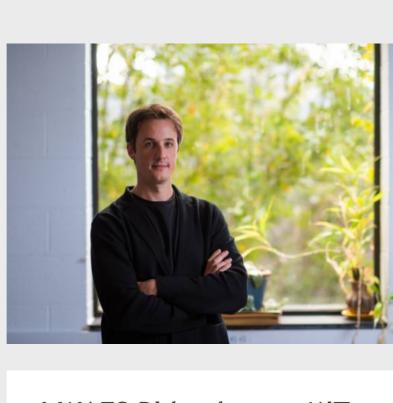
NEWS & ANNOUNCEMENTS



J-WAFS PI studies livestock grazing and CO2

Cesar Terrer shows that proper grazing enhances carbon sequestration while

overgrazing causes carbon loss. READ MORE

J-WAFS PI leads new MIT climate policy center

Christopher Knittel will lead the newly

established MIT Climate Policy Center, a \$25M initiative by MIT Sloan to integrate climate research with policymaking. READ MORE

J-WAFS PI helps quantify climate change impacts

Elfatih Eltahir presents a method called "outdoor days" to assess the number of days per year with temperatures suitable for normal outdoor activities.

READ MORE

SafiOrganics Transforming Lives Through Sustainable Agriculture

in Sloan article

waste into fertilizer, is noted for its female COO and aid to female farmers.

J-WAFS spinout higlighted Safi Organics, which turns agricultural

READ MORE

marine life Michael Triantafyllou and other MIT engineers created an artificial reef to

J-WAFS PI helps protect

mimic the wave-buffering effects of natural reefs while providing refuge for fish and other marine life living along vulnerable coasts. READ MORE

energy lab launches The Water, Air, and Energy Lab is a

New water, air, and

collaboration between J-PAL Africa, the City of Cape Town, and Community Jameel to inform the scaling of clean air, water, and energy policies in Cape Town, South Africa. READ MORE

security in Africa Writing in Farmers Review Africa, George Richards calls for more investment in early warning systems

director discusses food

Community Jameel

and capacity building for food security in East Africa. **READ MORE**

ideal conditions for

agriculture Chen Chu looks at how traditional practices of floodplain agriculture can inform strategies for sustainable food production and distribution in response to climate change.

MIT PhD student studies

READ MORE

J-WAFS PI designs sensor

chemicals" in water sources.

READ MORE

for detecting PFAS Tim Swager's sensor can identify minuscule levels of PFAS, or "forever



J-WAFS Grant for

Deadline: May 1, 2024

and undergrad students

production.

Transforming Animal Ag

Open to: MIT PIs, research staff, graduate

Grants in the range of \$15-25K will be

with projects that reduce the negative

awarded to selected MIT recipients

impacts of industrial food animal

FUNDING AND OTHER OPPORTUNITIES

J-WAFS Travel Grants for

Water Conferences

Deadline: May 6 or Aug 12, 2024

Open to: MIT graduate students from any department Students with research in the water sector can apply for funding to attend either Stockholm World Water Week in August or the UNC Water & Health Conference in October.

Deadline: Ongoing

postdoc

MORE INFO

MORE INFO

J-WAFS and GEAR Center seek postdoc Deadline: Ongoing Open to: PhDs in mechanical engineering or water/food/agriculture focus areas

Will work with the Global Engineering

and Research Center and J-WAFS to

identify opportunities for research to

address water, food, and agriculture

challenges, especially in underserved

MORE INFO

communities.

Open to: PhDs in mechanical engineering Will work with the Global Engineering and Research (GEAR) Center on the creation of a low-cost, low-energy, on-

Mechanical engineering

and off-grid irrigation solution for Egyptian farmers by identifying farmers' preferences, needs, values,

and priorities. MORE INFO IN-DEPTH LOOK

J-WAFS SPINOUT HELPS FARMERS CONSERVE ON PESTICIDE USE

In 2017, Professor Kripa Varanasi

farmers about everything "from

received a J-WAFS Solutions grant to

Technology from Agzen monitors sprayed

chemicals on crops Pesticide runoff results in higher costs for farmers and contributes to pollution of soils, surface water, and groundwater that can significantly

degrade water quality and adversely impact ecosystems and human

helps agricultural pesticide droplets adhere to target leaf and fruit surfaces, greatly reducing the amount of chemicals applied to crops.

health. MIT research is tackling this problem through a technology that





MIT Africa Innovate Conference

EVENTS

Fri-Sat, April 12 - 13, 2024, All day, In-person This event will include conversations on frameworks to propel Africa towards sustainable development and improvements in living standards for its people, including a panel on fostering inclusive prosperity in agribusiness. MORE INFO

2024 Food 4 Thought (F4T) event

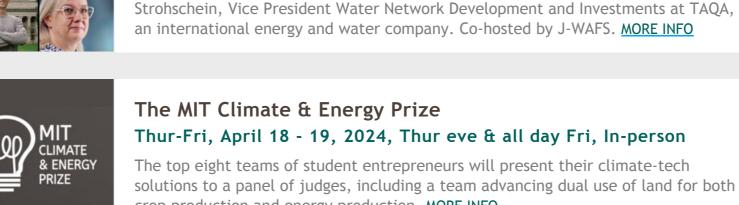


entrepreneurs to help shape the future of food to be more sustainable, equitable, healthy, and cruelty-free. MORE INFO Atmospheric water harvesting speaker session

Tuesday, April 16, 2024, 4:00 p.m. ET, In-person

Fri-Sun, April 12 - 14, 2024, All day, In-person and online

This student-led event aims to assemble future food leaders, innovators, and



Thur-Fri, April 18 - 19, 2024, Thur eve & all day Fri, In-person The top eight teams of student entrepreneurs will present their climate-tech solutions to a panel of judges, including a team advancing dual use of land for both crop production and energy production. MORE INFO

Co-sponsored by J-WAFS, the summit's theme focuses on systemic change to address

J-WAFS. Students and MIT affiliates use code WFA2024 for \$5 tix. MORE INFO

Join mechanical engineering PhDs & postdoc speakers, with guest speaker Ines



Friday, April 26, 2024, All day, In-person and online



series

health, with youth, experts, non-

experts and decision-makers.

WATCH NOW

MIT 2024 Sustainability Summit

SYSTEMS

IN CASE YOU MISSED IT

MIT Sustainability Summit 2024

Community Jameel video J-WAFS travel grantee on podcast Videos explore climate change's effects Anushka Shahdadpuri, founder of on agriculture, pastoralism, Aamchi, an organization that addresses architecture, the ocean, and arts and water, sanitation, and hygiene (WASH)

The J-WAFS PI tells MIT's TILclimate podcast that crops may grow faster with more CO2 & plenty of water in the lab, but not always in farm settings.

LISTEN NOW

LEARN MORE

AND CONGRATS TO:

and plant growth

issues in India, was featured on The

Dave Des Marais talks CO2

Climate Map podcast.

LISTEN NOW



Fadel Adib Adib was named Young Global Leader by the World Economic Forum for his work

to create positive change in the world.

LEARN MORE

Congress summit.

Andrew Whittle Whittle gave the distinguised Terzaghi Award Lecture at the 60th annual American Society of Civil Engineers Geo-

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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,

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Executive Director, J-WAFS <u>rrobins@mit.edu</u> or (617) 324-6726

and sustainability of the world's water and food systems.

FOR MORE INFORMATION ABOUT SPONSORSHIP OPPORTUNITIES, CONTACT: RENEE J. ROBINS

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.

across history."

in

-- Carlo Ratti, director of MIT's Senseable City Lab, who has proposed plans for a 51-story building wrapped in a vertical hydroponic farm in Shenzhen, China, known to be the world's first "farmscraper" that could feed 40,000 people a year.

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