Today is World Food Day

A United Nations holiday to raise awareness of hunger-related issues and promote action for the sustainable future of food for the planet.

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Video spotlight on 2023 J-WAFS Fellow Jie Yun

Yun is an MIT PhD student in Civil and Environmental Engineering who is studying genetic improvement of crops.

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Project spotlight on our 1st Grand Challenge

The team, led by chemistry professor Matt Shoulders, is researching how to make photosynthesis more efficient, with the goal of boosting crop yields.

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Creating affordable, energy efficient food storage

Supported by multiple J-WAFS grants, Eric Verploegen and Leon Glicksman developed a solar-powered evaporative cooling chamber for cold storage of fruits and vegetables grown on smallholder farms.

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Catalyzing food and climate systems transitions

Led by J-WAFS researcher Greg Sixt, this new project is studying how to adapt food systems to climate change in the East Africa region surrounding Lake Victoria, the second-largest freshwater lake in the world.

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Developing sustainable food packaging

J-WAFS researchers Prof. Brad Olsen and PhD candidates Katharina A. Fransen and Sarah Av-Ron are studying biodegradable polyesters and compiling a large dataset to gauge best fits for biodegradation.

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Protecting crops from climate change

J-WAFS PI Dave Des Marais is researching crop improvements for greater ecological resilience, and J-WAFS PI Rajeev Ram is studying diagnostic tools to enable farmers to assess plant health.

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of global freshwater withdrawals are used for agriculture

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of food are wasted each year globally

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is how much global water demand for agriculture is expected to increase by 2050

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people worldwide fall ill after eating contaminated food every year

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MIT alumna puts food on the front burner

As the senior director of innovation startups at the World Wildlife Fund, Julia Kurnik '06 champions research and development initiatives focused on food and agriculture.

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J-WAFS-led FACT Alliance part of new food map

The Global Food Systems Network Map is an innovative online tool that showcases multi-stakeholder initiatives around the globe tackling food-related challenges.

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MIT student promotes Hawaiian agriculture

Aja Grande's PhD work explores 'āina, or "that which feeds." Her fieldwork unites communities to cultivate traditional crops.

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Webinar on food system resilience

A panel hosted by the University of Natural Resources and Life Sciences, Vienna, a member of the J-WAFS-led FACT Alliance, will discuss the fragilities of food production.

RSVP

Foodshot Global Prize

Entrepreneurs & researchers can submit a proposal to this competition which seeks innovations that protect water as a limited resource for land-based food and agriculture.

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