Mason SCIENCE

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Wednesday, April 20, 2022 **science.gmu.edu**

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The race to save our planet

by Fernando Miralles-Wilhelm

Thought I'd take a new approach to the blog this week by connecting various quotes from famous environmentalists and runners to celebrate our planet, characterize the race we, including our faculty, staff and students, are running to save it, and why it matters.

Some of us have never heard of Gaylord Nelson yet we've been celebrating his visionary idea each year since 1970. The former governor of Wisconsin and U.S. Senator is credited with founding the first Earth Day on April 22, 1970 as a way to bring environmentalism into the national agenda. Some would say the idea worked as within the year, the Environmental Protection Agency was formed and more than fifty years later, we still celebrate our planet.

"Our goal is not just an environment of clean air and water and scenic beauty. The objective is an environment of decency, quality and mutual respect for all other human beings and all other living creatures." ~ Gaylord Nelson

Read full message

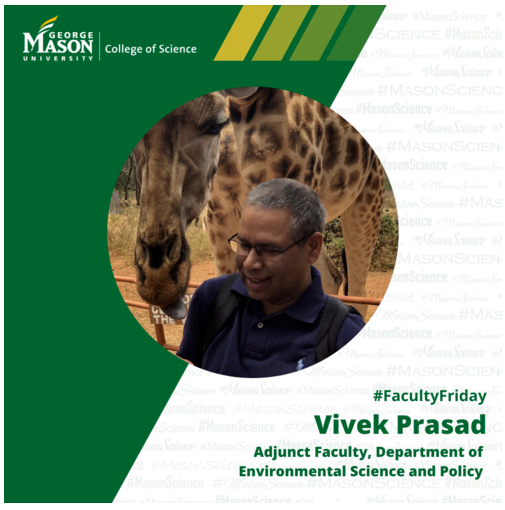
MASON SCIENCE COMMUNITY

Retro Mason: Biomedical Research Lab opening 2010



As Mason celebrates its 50th year, we take a look back at some of the university's memorable moments - including the opening of the Biomedical Research Lab. Through this lab, Mason researchers have been able to advance their groundbreaking work on the diagnosis, prevention, and treatment of infectious diseases.

Take a look back



#FacultyFriday highlights ESP adjunct faculty

This week's #FacultyFriday features Vivek Prasad, Adjunct Faculty, Environmental Science and Policy (ESP). An ESP PhD alumnus, his research focuses on how humans affect the environment and the use of geographical information systems to study global climate change. Prasad also works as an innovation advisor with the Agriculture Global Practice of the World Bank, where he focuses on issues such as rural livelihoods, climate change resilience, Agri-Tech, spatial data analytics, and data visualization.

Read Vivek's bio

New term faculty leave timeline proposed

by Mason Science Human Resources Team

After conferring with the Mason Science Executive Council and department chairs, we are piloting a process for term faculty to apply for study leave. Proposals submitted now will be for Spring 2023. More details can be found on the Mason Science term faculty study leave webpage. Proposals should be submitted by **April 22** and applicants will be notified of the Dean's decision by **May 20**. Please contact Mason Science human resources if you have questions regarding the process.

Submit your proposal

RESEARCH & DISCOVERY

What effect do invasive rat populations have on Channel Island deer mice?



by Elizabeth Grisham

Cody Edwards, Associate Professor, Biology, Associate Provost for a Sustainable Earth, Executive Director, Smithsonian-Mason School of Conservation, and Interim Associate Dean for Faculty and Academic Affairs received funding to quantify functional and neutral genetic diversity of Channel Island deer mice before and after an invasive black rat (Rattus rattus) was eradicated from the Island.

More on this research

IN THE NEWS

Scientist say preparation needed for impact of climate change



by Barry Klinger

Mason Science's Jim Kinter, Professor, Atmospheric, Oceanic and Earth Sciences, Director, Center for Ocean-Land-Atmosphere Studies, and Ed Maibach, Director, Mason Center for Climate Change Communication recently published an op-ed that advocates preparation for the impacts of climate change, which are already affecting Virginia. Their article appeared in the Richmond Times-Dispatch, Roanoke Times, and Fredericksburg Free Lance-Star. *Photo by Li-An Lim on Unsplash.*

Read the op-ed



The invasion of the body snatchers…in the Chesapeake Bay

Amy Fowler, Assistant Professor, Environmental Science and Policy (ESP) recently spoke to *With Good Reason* about her research on the white-fingered mud crabs (Rhithropanopeus harrisii) and their short lives at the mercy of two parasites found in the Chesapeake Bay. Fowler leads the research with ESP graduate students Darby Pochtar and Sarah Greenberg, and several OSCAR students.

Listen to the episode

Happening at Mason

Mason announces new Center for Anti-Racist and Decolonized Research Methods (CARD-RM)

George Mason University recently launched the Center for Anti-Racist and Decolonized Research Methods (CARD-RM), dedicated to shifting research practices to be more inclusive, less oppressive, and explicitly anti-racist. This initiative's leader, Meagan Call-Cummings, Assistant Professor of Research Methods, CEHD as well as Sharrell Hassell-Goodman, doctoral candidate in higher education, invite you to connect with them to share your ideas, interests, and/or questions.

More on this initiative

Events

GeoEye Drone Demonstration
April 21, 2022 | 11 a.m. to 3 p.m. | Mason Field 4 and 5
Join GGS and GeoEye for a fixed wing vertical takeoff drone demonstration.

Galileo's Science Café
April 21, 2022 | 6:30 p.m. | Mason's Verizon Auditorium, SciTech and Virtual
You are invited to a free and interactive science night featuring Dr. Jennifer Salerno's research on Life and Death on Coral Reefs: Microbes as Messengers of Coral Health and Disease. Registration required.

Science and Technology Campus Groundbreaking
April 22, 2022 | 10 a.m. to noon | SciTech Campus
With partner Stanley Martin Homes and CastleRock Partners LLC, Mason will unveil plans for the new Life Sciences and Engineering Building and the much-anticipated Innovation Town Center and University Village at Innovation. A reception will follow the ceremony. Registration required.

Third Earth System Observations and Modeling Graduate Symposium
April 22, 2022 | 8 a.m. to 6 p.m. | Research Hall, 163, Fairfax Campus,
Join COLA and AOES for this annual event featuring oral and poster presentations from earth science graduate students across the country. The event will feature a Q&A session with Dr. Syukuro Manabe, the 2021 Nobel Prize Laureate.

Mason Day 2022
April 22, 2022 | 2 to 10 p.m. | Lot L near EagleBank Area, Fairfax Campus
Attend Mason's longest running campus tradition with rides, games, food trucks, student performances, free Mason Day t-shirts, and a concert featuring Euphoria's Dominic Fike.

College of Science Undergraduate Research Colloquium
April 27, 2022 | 2 to 4 p.m. | Virtual
Learn about the amazing work our undergraduates have been working on the past year at our annual undergraduate research colloquium. Registration required for access.

See Full Calendar

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