### INLAND HIGHER ED SUSTAINABILITY COUNCIL NEWSLETTER



#### HIGHLIGHTED EVENTS

BY THE TITLE V TEAM

Read about the Sustainability Speakers

Series and how you can get involved!

#### NEW MAJORS AT LA SIERRA UNIVERSITY

BY THE TITLE V TEAM
Did you know there are three
sustainability-related academic
majors available at La Sierra
University?



# A MESSAGE FROM THE DIRECTOR OF OUTREACH, SUSTAINABILITY STUDIES PROGRAM

Welcome to the inaugural edition of our newsletter, a cornerstone in our collective journey towards a sustainable future led by the Inland Higher Ed Sustainability Council.

As the Director of Outreach for the Sustainability Studies Program at La Sierra University, Riverside, California, it's my pleasure to share the story of our council's genesis and its mission. Inspired by the vision of the City of Riverside's Innovation Team Lead, Brando Crozier, and co-founded with UC Riverside's Sustainability Officer Fortino Morales III, the council was established one year ago as a beacon of unity for Riverside and the Inland Empire's educational institutions. Our mission is clear: to forge a sustainable future that engraves a lasting positive imprint on our region.

Our council thrives on collaboration and resource sharing, which is vital for establishing a foundation of solid sustainability initiatives across our community. We are creating a robust network dedicated to environmental stewardship, educational growth, and community well-being by connecting various institutions and associations.

In this pursuit, we have engaged students in a pivotal role, tasking them with creating this newsletter. It is designed to share information on local and global sustainability efforts, carrying insights and developments crucial to our community and beyond. With each edition, we intend to highlight the concerted efforts of our partners, celebrate achievements, and outline a path forward.

As we unveil this first edition, we sincerely thank you for your support and engagement. Your commitment to a sustainable planet fuels our collective journey, ensuring that our endeavors leave an indelible mark on the Inland Empire and nurture a legacy of environmental responsibility.

Thank you for joining us on this journey. Together, we step into a promising future with knowledge, unity, and the shared goal of creating a sustainable world for future generations.

Best,

Tabetha Johnson,MA
Director of Outreach
Sustainability Studies Program
La Sierra University

### Sustainability Speaker Series



-Dr. Joni Adamson, President's Professor of Environmental Humanities at Arizona State University

The Sustainability Speaker Series, offered through a fledgling Sustainability Studies Program and by the office of La Sierra University Provost April Summitt, held its first lecture on Monday, April 8, at the Troesh Conference Center in the Zapara School of Business. The inaugural presentation featured Joni Adamson, a preeminent scholar and in-demand international speaker who holds the position of President's Professor of Environmental Humanities at Arizona State University and is its director of the Environmental Humanities Initiative.

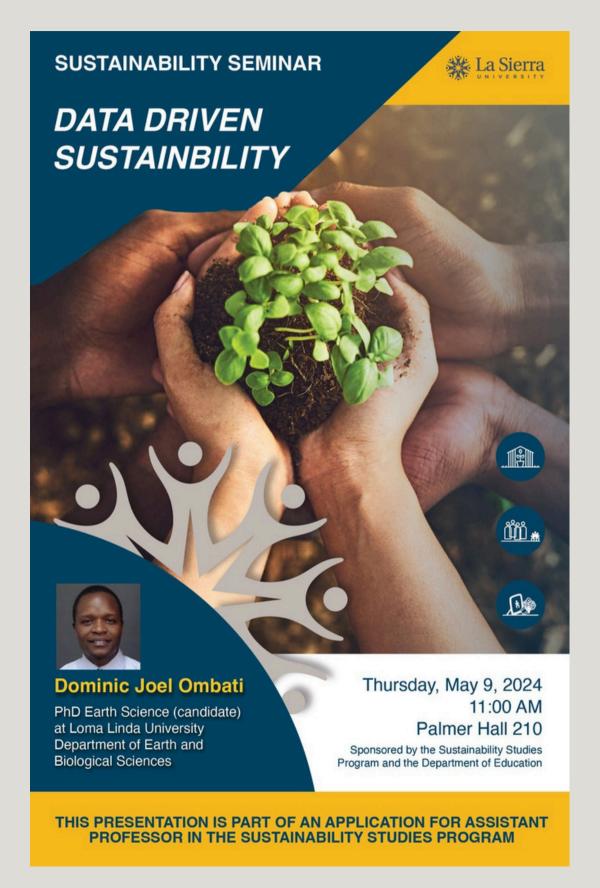
Adamson gave a talk titled "Why the Humanities, Creativity, & Imagination Will Be Key to Achieving Sustainability Goals for 2050." She discussed how students from all disciplines, including those in STEM, art, business, and the humanities, can apply their talents and expertise to contribute to the sustainability field.

A reception was held at 5 p.m. before the lecture, which began at 6 p.m.

"I hope Dr. Adamson's lecture will begin a valuable conversation in our community about the human relationship with the environment and that we don't have to all be scientists to fill this role," Summitt said. "Those who study humanities will be vital in helping us care for our planet. We want to hold this speaker series to begin community-wide conversations about this important topic."

Darla Martin Tucker Director - Public Relations at La Sierra University

## Upcoming Events May 2024: DataDriven Sustainability



#### **CEA for Nursery Workshop**





#### **WORKSHOP**

## **Controlled Environment Agriculture (CEA) for for Plant Nursery Production**

Join us for the "CEA for Nursery" workshop—a dynamic day dedicated to enhancing nursery production across various crops, with a special focus on citrus, using the latest in Controlled Environment Agriculture (CEA). Designed for growers, nurseries, researchers, and students, this event combines expert insights and hands-on experiences to foster growth, learning, and networking. While the workshop will cover multiple crops, the overarching emphasis will be on citrus, exploring cutting-edge CEA technologies and advancements specific to this vital sector. Don't miss this unique opportunity to delve into the future of nursery production!

To register and for more information on the program, please visit our website https://www.labtofarm.org/indoor-ag.



#### WEDNESDAY MAY 22, 2024



#### START AT

08:00 AM - 17:00 PM

**UCR BARBARA & ARTS CULVER** 



3834 MAIN STREET, RIVERSIDE, CA 92501

#### **UCR CCPP**

4650 14TH ST, RIVERSIDE, CA 92501



## Still looking for a summer lab experience???



## Introducing New Majors at La Sierra!



BA in Sustainability and Society

Students will encounter a study of social and natural sciences to develop critical thinking for resolving sustainability-related challenges on local and global levels. The program focuses on social, cultural, political, and community development aspects of sustainable systems

BS in Urban Plant Agriculture

Students will focus on basic science and cultivated food production systems. They will learn to devise thoughtful, dynamic, and realistic solutions for society's environmental challenges with minimal adverse outcomes.

BS in Sustainable Agricultural Entrepreneruship Students will focus on issues of sustainability in agriculture and the economy. They will learn about the importance of resources, policy, and management. The pathway will provide students with practical experiences to prepare them for management careers in farming and food production with a focus on sustainable practices in agriculture at a local and global scale..

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### Did you know?



Sea otters are a significant species to the environment. They are a keystone species, which means that without them, their ecosystem would have a considerable effect (Trust, 2023). Otters are essential because they eat sea urchins that eat kelp. Kelp is vital to the ocean ecosystem because it is where many fish species are born (Christensen et al., 2023).

Otters used to live on the coasts from Russia through Alaska to California (Trust, 2023). Due to poaching, they practically went extinct in the early 1900s (Grandoni & Mara, 2023). Today, it is rare to see them in the wild along the coasts of California and Oregon, only preserved in places like the Monterey Bay Aquarium (Grandoni & Mara, 2023).

Another natural predator of sea urchins is sea stars (starfish). Many sea stars have been dying due to sea star wasting syndrome (Pope, 2022). Sea star wasting syndrome describes many symptoms that sea stars may have that cause them to have lesions, tissue decay, and fragmenting of limbs (Miner et al.). There is no known cure for sea star wasting syndrome yet.

Without otters and starfish in the wild, the amount of kelp in the ocean is decreasing due to an abundance of purple sea urchins (Pope, 2022). The solution is more complex than releasing otters into the wild or harvesting mass amounts of sea urchins. Sea otters have been successfully put back in the wild in Alaska and British Columbia; however, when they were done in Oregon, they all died. People usually eat red sea urchins, so there is no reason for sea urchin divers to collect purple sea urchins if they do not make money off of them (Bland, 2017).

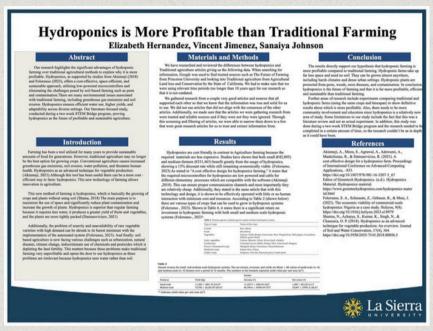
You can help reintroduce sea otters into the Pacific Northwest and California by getting involved with organizations like the Otter Project. You can donate, sponsor an otter, or volunteer with them (California Coastkeeper Alliance)! A way to help the sea creatures that rely on kelp forests is to eat more purple sea urchins (Pope, 2022). If you eat sushi, opt for purple sea urchins rather than red or green urchins if there is an option. Consumers' more significant demand for purple sea urchins can entice sea urchin divers to collect more purple sea urchins. You can make a difference by making small changes and influencing those around you.

-Annika Samayoa, Freshmen Student (Bibliography on last page)

### **STEM Bridge Recap**



STEM Bridge students Ruth and Monique working in a Skills Lab



Elizabeth Hernandez, Vincent Jimenez, Sanaiya Johnson STEM Bridge Project in Sustainability

STEM Bridge is an excellent opportunity for incoming freshman and transfer students to indulge in early access to research opportunities at a University level. During the two week program, participants get to meet various chairs of the departments, make connections with peers, and learn how to create a scientific poster presentation. In this program we created a presentation based on sustainable agriculture, focusing on comparing hydroponics and traditional agriculture and seeing which option was more cost-efficient. Our research highlights the significant advantages of hydroponic farming over conventional agricultural methods to explain why it is more profitable.

Elizabeth Hernandez STEM Bridge Student 2023 Cohort

## THANK YOU FOR YOUR SUPPORT!

A note from the editor:

I am so grateful for the opportunity to create this newsletter and help spread awareness about sustainability through our community. As a freshman here at La Sierra University, I have always been interested in sustainability, and working with a team of people who share this interest is fantastic. As a resilient student, I am adamant about improving myself and others. Working on ourselves daily, whether physical, emotional, or mental, we all should strive to be better individuals. This is similar to sustainability. which is the betterment of our environment. Improving how we live and interact with our environment allows us to coincide peacefully with nature. Be intentional about how you live your life sustainably for your betterment!

Thank you all for your interest and engagement in this newsletter. We recognize your support and sense of community as we continue to educate our campus on a healthy and sustainable way of life. If you enjoyed this newsletter, we encourage you to share it with your friends.

Let us know if you have any questions, comments, or feedback. We would love to hear from you about any topics, facts, or questions we may be able to answer in future editions. You can contact us by email at guidedpathways@lasierra.edu or by requesting to be on this newsletter's email list.

Dylan Fox, La Sierra University Sustainable Studies Student Editor



Children's hands holding a plant



-Dylan Fox, Your Editor

# THE INLAND SUSTAINABILITY COUNCIL



**Brando Crozier**: Team Lead - Mayor's Bloomberg Innovation Team (City of Riverside / Riverside Public Utilities)

**Tonya Huff**: Faculty Chair, RCC Sustainability Committee, District Sustainability Committee Representative, Faculty Co-Advisor RCC StudentSustainability Collective (Riverside City College)

**Tabetha Johnson**: Director of Outreach, Sustainability Studies Program (La Sierra University)

Francis Mitalo: Sustainability Program Specialist (UC Riverside)

Fortino Morales: Sustainability Officer (UC Riverside)

**Nick Reksten**: Chair, University of Redlands Sustainability Council (Faculty in Economics) (University of Redlands)

**Yash Patel**: Associate Director of Energy, Sustainability & Saftey Administration (San Bernardino Community College District)

**Erin Sanborn**: Director of Sustainable Education, Office of Community Service Learning (University of Redlands)

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