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Module 10: Garden Ecology

Urban EcoLab

May 2021

LMU Gottlieb Garden Projects

Center for Urban Resilience

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Center for Urban Resilience, "LMU Gottlieb Garden Projects" (2021). *Module 10: Garden Ecology*. 41.
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Garden Mentors



Renowned around the country and revered within the Los Angeles environmental community, the Gottlieb Native Garden is a National Wildlife Federation-certified Backyard Wildlife Habitat. It is brimming with nature yet located less than a mile from the busy streets of Beverly Hills. Susan Gottlieb, the dedicated environmentalist who created the garden believes we could save the world if we all understood the power of native plants.

The Gottlieb Native Garden: <http://thegottliebnativegarden.com/>

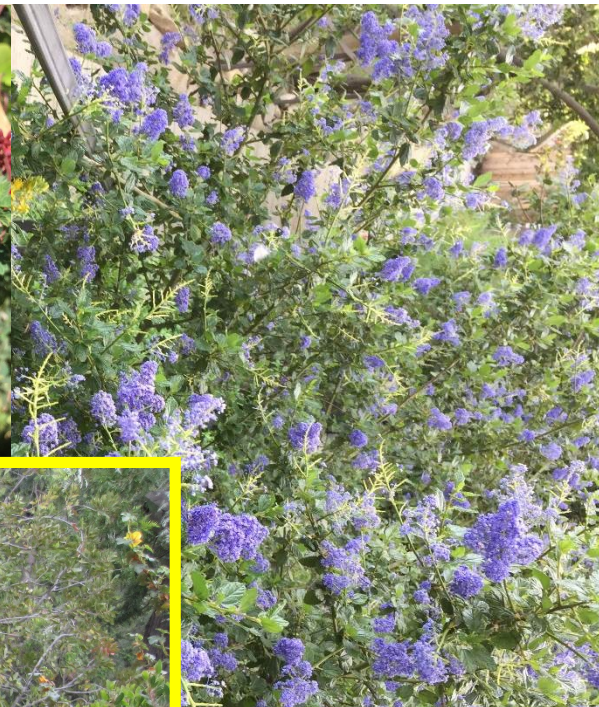
Garden Mentors

This book is her story, as well as a larger one: the story of how to restore natural habitat and protect biodiversity with simple, individual actions.

It provides an example of what every one of us can accomplish by prioritizing nature.



The Gottlieb Native Garden: A California Love Story captures the essence of this stunning space and reveals the fundamental importance of Susan Gottlieb's mission to **restore native plants all over southern California.**



The Magic of the
Gottlieb Garden

Species in Gottlieb Garden

2017



Dr. Peter Auger, Animal Behavior Scientist at LMU's Center for Urban Resilience

Number	Category
202	Plants
93	Birds
62	Moths
33	Wasps
29	Flies
27	Beetles
26	Butterflies
24	Bees
23	Spiders
19	Other Arthropods of Interest
17	Cactus/Succulents
16	True Bugs
15	Trees
15	Mammals
9	Seasonal flowers
8	Dragonflies and Damselflies
8	Reptiles and Amphibians
4	Scorpions, Millipedes and Centipedes

18 Categories of Wildlife in Garden
630 Unique Species



Maria Curley, Education Specialist at LMU's Center for Urban Resilience

STREAM Education Opportunities!

S	Science	Studying wildlife in urban areas
T	Technology	Phone Apps, GPS, Satellite Images
R	Restorative Justice	Bring back nature in underserved areas
E	Engineering	Creating pathways
A	Arts	Design of Garden
M	Math	Calculations, where plants go

SCHOOLYARDS ARE GOLDMINES!

Garden Sites are FULL of every possible application of cross-disciplinary study





Friends of
the Gottliebs



Photos from
Theodore Payne
Garden Tours



LMU|LA Center for Urban Resilience

Global Field Science in the Classroom

State-of-the-art internet protocol (IP) cameras will be set up at 5 locations: 1) the Gottlieb Native Garden, 2) at a long-established feeder site in Burbank, CA, 3) on the Loyola Marymount University (LMU) campus in Los Angeles, CA, 4) at a researcher's home on Cape Cod, MA and 5) at a field site in Costa Rica.

The video and photographic data from these field sites will be accessible on the Gottlieb website, and can be used in classrooms along with supplemental curricula. The goal is to also extend this virtual learning environment to additional groups, such as nursing homes.



LMU|LA Center for Urban Resilience

Urban EcoLab Curriculum Development

Module 10, a new module focusing on the Gottlieb Native Garden, Edible and Native Gardens of Southern California and Their Pollinators, is in development with the assistance of Lisa Fimiani, the Gottlieb Fellow.

This funding will allow for other experts to assist Lisa in the development of new formal Urban EcoLab curriculum and lesson plans in this exciting new teaching module. Informal educational opportunities will also be available to reach out to community groups, nursing homes and other service organizations.

Additional support for this work is being provided by The Annenberg Foundation and represents an unusual example of philanthropic collaboration. The team will use these efforts as a pilot study to acquire funding to replicate the model developed at the Gottlieb Native Garden for dissemination and collaboration through national and international locations.



Lisa Fimiani and Susan Gottlieb

CURes
staff and
Susan,
with
Middle
and High
School
Teachers
visiting
the
Gottlieb
Garden



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