

From Bud to Bloom:

Phenology at Joshua Tree National Park with Dr. Susan Mazer

Saturday, February 1, 1—5pm, Joshua Tree National Park Headquarters at the Oasis of Mara in Twentynine Palms

Explore **phenology**, “the science of the seasons”, at Joshua Tree National Park in this free, one-day workshop. Learn how you can volunteer to help the park detect the impacts of climate change by observing the seasonal activities of the park’s desert plants, from bud-burst to flowering and fruiting. This workshop will review botanical basics, the link between phenology and climate change, and examples of phenological responses to climate change across the globe. Hands-on experience investigating plants in the park will be included!

Dr. Susan Mazer is a professor of plant ecology, genetics, and evolution at University of California, Santa Barbara. Her research aims to detect the processes and results of evolution by natural selection, particularly for plant reproductive traits that contribute to the adaptation of plants to stressful environments, such as seed size, age at flowering, flower size, and pollen and ovule production. She has worked with a wide variety of species and plant communities to detect reproductive and physiological adaptations, ranging from South American tropical rainforests, to remote regions of the southern Sierra Nevada, to the central coast of California.

The California Phenology Project has been launched to implement a monitoring program focused on California National Parks. Our goal is to engage park visitors, dedicated volunteers, informal science educators, teachers, and park staff in a long-term program to track the effects of climate change on the annual timing of budburst, leafing out, flowering, and fruiting in targeted wild and exotic plant species throughout the state.

Please RSVP for this workshop by contacting Josh Hoines at (760) 367-5564 or Josh_Hoines@nps.gov.

