Q-AOS 九州大学 アジア・オセアニア研究教育機構 ブラウンバッグセミナー

Brown Bag Seminar No.172

2025 1.15 (wed.) 12:10 ~ 12:50

12:10-12:15 ◆ Introduction
12:15-12:40 ◆ Seminar (Presentation)
12:40-12:50 ◆ Q&A

Online (Zoom)
Scan here for Registration

https://us02web.zoom.us/webinar/register/WN_GPfr8ISzQLK4530WiBC1bg

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Plant phenology and BVOC

4 QUALITY EDUCATION
5 GENDER EQUALITY
13 CLIMATE ACTION
15 LIFE ON LAND
17 PARTNERSHIPS FOR THE GOALS

Key Words

Biological rhythms
Phenology Climate change Plants
Genome Prediction Mutation

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After graduating from the Faculty of Science at Kyushu University, Dr. Satake obtained a Ph.D. in Science from the Graduate School of Science, Kyushu University, in 2002. Subsequently, as a Japan Society for the Promotion of Science (JSPS) Research Fellow, she studied abroad at Pennsylvania State University (USA), Kyoto University, and Princeton University (USA). Dr. Satake then spent a year in Lucerne, Switzerland, as a group leader at the Swiss Federal Institute of Aquatic Science and Technology (EAWAG).
In 2008, Dr. Satake returned to Japan and served as an Assistant Professor and later an Associate Professor at Hokkaido University, as well as a JST PRESTO researcher. Following these roles, Dr. Satake became an Associate Professor at Kyushu University. Since 2018, she has been a Professor at Kyushu University, leading the Mathematical Biology Laboratory.
In 2023, Dr. Satake assumed the position of Senior Program Officer at the JSPS Research Center for Science Systems, where she oversees grant-in-aid programs and initiatives for nurturing young researchers. Additionally, as the Principal Investigator of the Scientific Research on Innovative Areas (A) project, "Plant-Climate Feedback," she is advancing interdisciplinary research on feedback mechanisms between plants and climate mediated by volatile organic compounds emitted by plants.

Forest ecosystems are a cornerstone of global biodiversity, providing vital ecosystem services such as climate regulation and carbon cycling. Phenology, which refers to the seasonal patterns of biological activity, plays a crucial role in assessing the impacts of climate change and environmental shifts. This presentation focuses on the phenological phenomena of forest trees, such as leaf unfolding, leaf shedding, flowering, and seed dispersal, and explores how these processes influence and are influenced by climate and biodiversity.

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