

2023

3.22 (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://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_1QS_GpzcRfO3ak8jFEASGQ

Supported by Kyushu University, Q-AOS & TEMDEC

Guide to Kyushu University Forest by Soil Animals "Springtails"

Chair: **Assoc. Prof. Toshinori TANAKA** (Research Promotion Coordinator of Q-AOS)

Key Words

Kyushu University Forest

Material Cycling in Forest Ecosystems

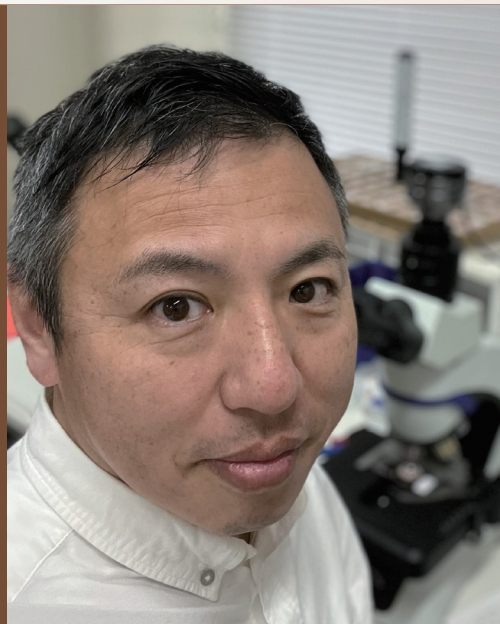
Research network

Soil Animals

Soil Biodiversity

Springtail

Associate Professor **Takuo HISHI**

Forest Sciences Department of Agro-environmental Sciences, Faculty of Agriculture,
Kyushu University

I am from Tokyo. I enrolled to Kyoto University in 1996. My Ph. D thesis in Kyoto University is "Architecture and functions of fine roots in forest ecosystems". Then, I got the Japan Society of Root Research Young Investigator Award.

I worked at Kyoto University as post-doc. to research Insect Ecology. I study the interactions among soil, root, microbe, and microbivore arthropods.

In 2007, I enter Kyushu University Forest as assistant professor. I experienced Fukuoka Research Forest for 6 years, Hokkaido Research Forest for 4 years, and Miyazaki Research Forest for 6 years. Now I am working at Fukuoka Research Forest as director of the forest and associate Professor of Lab. of Forest Ecosystem Management.

Kyushu University Forest have forests with various climates and social background. Recent my study interest is land conservation based on forest soil ecology. In these forests, I mainly teach forest tree biology, material cycling, soil ecology, and landscape ecology.

My research subject is mainly soil ecology. I have written the book or textbook about soil ecology, organic matter decomposition in soil, and community ecology. For these works, I got the Young Researcher Japanese Society Soil Zoology.

Soil organisms are highly diverse and play an important role in maintaining terrestrial ecosystem functions. I am particularly interested in morphologically diverse springtail (Collembola), which can live virtually anywhere on land soil systems, and whose biodiversity can be compared among everywhere. I have been conducting research on the relationship between environmental changes and the diversity of soil animals including springtail, as well as resulting in their carbon and nutrient cycling using nation-wide research network including Kyushu University Forest. In my presentation, I will introduce how the University Forest can be explained by the biodiversity of small soil animals, "springtails".