

The investigation of soil organisms in the forest owned by Sagano High School

*Yuki Sugimoto¹, *Shoko Takano¹, *Chiharu Jo¹, *Jyunya Inubushi¹, *Shiho Yoshida¹, Wataru Morita¹

1. Kyoto Prefectural Sagano High School

The Woods for Field Practice Owned by Sagano H.S. (WFS) is located between the urban area and the mountains. We have researched the WFS from various viewpoints to evaluate the multifaceted functions of the school forest. We can confirm ecological succession to mixed broad-leaved forest. We have conducted studies on soil, birds, and vegetation to investigate the ecosystem in the WFS.

In this research, we investigated soil color, moisture, and so on. We also collected and classified soil animals, using the method of Tullgren.

We found more soil organisms in investigation areas where there was a large amount of organic matter than in other areas where there was a smaller amount of organic matter. Through these results, we found out a clear correlation between the amount of organic matter and the population of soil organisms.

Keywords: Method of Tullgren, Soil respiration, Soil organic matter

