Special Issue

Diversity and Function of Collembola

Message from the Guest Editors

Collembola are widely distributed in forests, grasslands, wetlands, and farmland ecosystems. As one of the most ubiquitous soil arthropods in the terrestrial ecosystem, Collembola can affect carbon and nitrogen cycling through litter decomposition, microbe transmission, and microbes and microfauna. Moreover, Collembola can inhabit different soil layers and are sensitive to climate change. Therefore, springtails are good indicators of soil biodiversity. There are some studies on the responses of Collembola to climate change in the form of temperature increases, precipitation, and carbon dioxide increases. There are also many studies on land-use methods (such as farming methods, wetland reclamation, forest land reclamation, etc.). However, compared with the research on above-ground ecosystems, the research on the biodiversity and ecological functions of soil springtails is still relatively scarce, which greatly hinders the progress of the overall research on soil ecosystems. Therefore, we have decided to launch this Special Issue.

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