

The 18th Atmospheric Bioaerosol Symposium

The 18th Atmospheric Bioaerosol Symposium is to be held as follows.

This symposium has focused on atmospheric research relating to bioaerosols since 2006, to discuss the long-range transport of airborne microorganisms, the interaction between Asian dust and microorganisms, the atmospheric mechanisms of microbial dispersion, and their various environmental impacts. The main aim of this symposium is to provide researchers with opportunities to talk frankly about their latest findings and exchange ideas on future plans.

The theme of this year's symposium is "Field survey & Indoor experiments developing bioaerosol research" Backgrounds of these topics include the origins and emission processes of bioaerosols, transport mechanisms, sampling and detection methods, field observations in arid regions, urban areas, forests, and oceans, impacts on human and animal health, agriculture and fisheries, cloud formation, precipitation and climate change, food culture and industry, and the deterioration of natural materials and cultural heritage.

In recent years, collaborative bioaerosol studies have been actively developed by Japanese universities in cooperation with researchers from China, Korea, Mongolia, Singapore, UK, and other countries. Observation networks across Japan have also been expanded, resulting in continuous monitoring and significant advances in bioaerosol research. Furthermore, the rapid development of airborne microbial DNA databases, together with meteorological observations, epidemiological studies, and animal experiments, has greatly improved our understanding of the environmental factors governing bioaerosol dynamics and their impacts on ecosystems and human health.

We warmly welcome researchers and students who are interested in bioaerosol observations, related technologies, and their applications, whether they wish to give a presentation or attend the symposium as participants only.

Place: Kagawa University, Hayashi Campus, Building 6, Room 6201 (Media Room)

Date: February 27-28, 2027

Registration: <https://docs.google.com/forms/d/e/1FAIpQLSe1SCl8fS0NqLFN9OiUMyCsBgWo-b6W32CGNxylKx4ZWS1eUA/viewform?usp=publish-editor>

Symposium Office: College of Science and Engineering, Kindai University
hirata@life.kindai.ac.jp

Chair, Bioaerosol Research Association: Prof. Yasunobu Iwasaka

Secretary, Bioaerosol Research Association: Teruya Maki

Chair, Local Organizing Committee of the 18th Bioaerosol Symposium: Masahide Ishizuka