

EGU General Assembly 2021 “(Online)” Report

Name : Sonia Afsana

Affiliation : Graduated school of “Environmental studies”

Laboratory of Atmospheric Chemistry
Group (Grade: D3)

Duration of the stay : 2021/04/19~04/30

The EGU General Assembly 2021 was held online from April 19th-30th, 2021. This was one of the biggest conferences with 18,155 participants from 136 countries. There were 642 scientific sessions and I had the opportunity to give a presentation in the Aerosol Chemistry and Physics (General Session).

I gave a presentation entitled, “Fluorescence property of solvent extractable organic aerosol in a cold-temperate forest area of Japan”. The content of the presentation is to know the fluorescent components of the extracted and fractionated atmospheric organic aerosols and to characterize the fluorescence property of each extract by the classification of excitation-emission matrix's profiles using a Parallel Factor (PARAFAC) model.

This was my first international conference and was the perfect opportunity to present my research outcomes to an international community. Many interesting presentations were covering all spheres of geoscience in this meeting. This was a very valuable experience for me as I was able to see some of the interesting research that is being done all over the world. It was a great opportunity to see what other PhD students are working on. There were few works related to brown carbon which I am highly interested in. Especially the work related to the study of optical properties of brown carbon and link to their sources and chemical structure. I hope I can use that knowledge in future.

As the conference was split into many sessions covering the various aspects, it helped to obtain a broad overview of the current state of the field. In addition to the scientific gain, the conference also provided opportunities for socialization through their breakout text chats. There were debates, medal and award lectures and short courses for early-career scientists.

Overall, my experience in this meeting was extremely valuable as I developed my skills as an emerging scientist by presenting my research in an international setting.

Finally, I would like to express my sincere gratitude to all the people involved in the young overseas dispatch support program of the ISEE International Collaborative Research Center for their financial support.

<Supervisor's name>

Michihiro Mochida