

Seminar

Organized by: Mother Earth Club, Department of Environmental Studies (DES), Siksha-Bhavana (Institute of Science), Visva-Bharati (A Central University), Santiniketan, West Bengal

Topic: The Future of Lake Ice: How Climate Change Is Reshaping Winter Lakes and What Can We Do About It?

Speaker: Dr. Aman Basu
Department of Biology
York University
Toronto, Canada

Date: 18th September 2026, **Time:** 3:30 PM to 4:30 PM

Venue: Department of Environmental Studies (DES), Siksha-Bhavana (Institute of Science), Visva-Bharati (A Central University), Santiniketan

Highlights of Seminar:

Lake ice is quickly disappearing. As the climate gets warmer, lakes are freezing later, thawing earlier, and often have thinner, weaker ice. These changes affect not just the lakes themselves, but also the communities that depend on seasonal ice for travel, recreation, culture, and safety. However, we still have a lot to learn about these changes. Small lakes are often omitted from large studies, ice quality is rarely measured on broad spatial scales, and we do not yet fully understand how human-altered landscapes affect ice phenology.

In this lecture I will discuss how lake ice is changing across the Northern Hemisphere, what these changes might look like in the future, and the actions required to preserve lake ice at local, regional, and planetary scales. I will show, as air temperatures rises, how lakes will have shorter periods of ice cover, thinner ice overall and its impacts across the Northern Hemisphere.

All are cordially invited