



**Title:** National Seminar on Climate and Sustainability – Glacial Crisis & Waste Management

**Objective:** The primary objective is to spread the importance of the environment and the methods of bringing about change in the perspectives and actions of people. To promote a positive and productive research environment.

**Speaker Details:**

- Prof. B. Brahmaji Rao, Dept. of Environmental Sciences, Acharya Nagarjuna University.
- Uday Singh Gautam, Sanitation & Solid Waste Management Expert, Tadepalli Municipal Corporation, Guntur.

- Dr. K. Srikala Ganapathy, Faculty, Dept. of Botany, Saveetha Institute of Medical & Technical Sciences, Chennai.

**Key points:** A National Seminar and poster and model presentations on "**Climate and Sustainability – Glacial Crisis & Waste Management**" was conducted on 25th Feb, 2025 by Innovation &

Incubation Cell (II&C), Science Association and Research Cell in collaboration with Andhra Pradesh Pollution Control Board (APPCB). The Chief Guest was Mr. P. Srinivas Rao, Environmental Engineer, APPCB, Vijayawada. He stated that the abatement of 'single use plastics' can be a potential way to save the earth from further climatic degradation.

The Resource Person, Prof. B. Brahmaji Rao, spoke about the impact of climate change on the future. He projected the disasters that could happen in the future –

- ✦ Tropical cyclones will become more intense, with heavier precipitation.
- ✦ Snow cover is projected to contract.
- ✦ Hot extremes, heat waves, and heavy precipitation events will become more frequent.
- ✦ The projected sea level rise to be 0.18 - 0.59 meters more.

He urged youngsters to get involved in protecting the planet. Uday Singh Gautam emphasized the need to Rethink: Solid Waste Management as the Solid Resource Management. He opined that 'plastics could become the weapons of mass destruction' with the expectation of 600 million tonnes of plastic in the oceans by 2040. He suggested simple ways to reduce plastics – bring your own bag, carry a reusable bottle, refuse plastic straws, store leftovers in glass containers and several other useful tips to make a positive difference in our ambience.

Dr. Srikala Ganapathy spoke about Glaciers and how their rapid melting will lead to disastrous conditions in future. She emphasized the need for the citizens to take up innovative and encouraging initiatives to protect our environs. She gave some examples, notably, about Mysuru, in Karnataka, which has been following many good practices to manage their waste efficiently. What makes Mysuru different on waste handling is its involvement of the citizens through the "let's do it Mysore" initiative. It is only because the citizens are actively involved and made aware of the benefits of waste segregation and the city follows door-to-door waste collection. The segregation initiative apart from being followed at the source of generation is also followed at other nine waste segregation plants, from where the biodegradable waste is treated to produce manure.

**Participant details:** Twenty faculty members and 200 students from SDMSM Kalasala participated in this program. 30 Research papers from various institutions were published with ISBN Number: **978-93-342-3622-4**.



**Photos:**



**Key outcome of the program:** Faculty members and students were enlightened about the rate at which environmental degradation is taking place and how it is imperative to bring about immediate and definitive change to save the planet.

**Feedback of students:** Faculty and students understood the reason and the immediate 'climate action' to protect the earth.