DST - Mahamana Centre of Excellence in Climate Change Research
Institute of Environment and Sustainable Development
Banaras Hindu University

Aug 10, 2021 at 930 hrs

DST- MCECCR Lecture Series (DMLS)

DST - Mahamana Centre of Excellence in Climate Change Research (MCECCR) is an initiative taken at Banaras Hindu University under Prime Minister's National Action Plan on Climate Change. The centre started in May 2017, funded by the Department of Science and Technology, Government of India, to develop a fundamental understanding of climate change and deducing its impact on the water, health and agricultural sectors from local to global scales. The centre's primary goal is to develop infrastructure facilities for climate simulation modelling, understand climatic impacts and vulnerability assessment of agriculture, water, health, and socio-economic sector, and develop proper adaptation and mitigation strategies. This centre has been working towards the establishment of a framework globally for offering effective climate services. This centre also offers a platform where multidisciplinary researchers could join hands in handling the climatic challenges and trigger decision-based solutions to rectify the impacts of climate disasters, improvised health, soil, water and agriculture management.

Aiming this, the center introduces a regular and sustained multi-stakeholder, **DST MCECCR Lecture Series** (DMLS), that would offer the researchers a platform to establish a dialogue at the national and international level.

Objective: -

The lecture series will serve as an institutional interface for

1. Offering fresh perspectives on climate change motivates young researchers from multidisciplinary areas for a customized and personalized understanding of applicability, limitations and challenges.

2. Brainstorming on the issues presented during the lecture for in-depth understanding and analysis of the climate challenges to build a consensus among the participants.

3. Providing a knowledge-based platform to visualize past, current and upcoming climate challenges & trends and how multidisciplinary researchers could help handle these challenges.

Thus, the overall agenda and aim of DMLS are to establish an active & healthy discussion between the members of Mother Earth about the Earth and Climate inspired from वसुधैव कुटुम्बकम (the world is one family).

Title of the talk;   **Climate Research 2.0: A Framework for Climate Studies for The Decade**

Summary of the talk: The recent IPCC assessment achieved another milestone with the science of climate change, and advances in vulnerability, adaptation, and mitigation. We now have even strong evidence that the climate has changed, will continue to change dramatically, and humans have a dramatic contribution beyond natural variability. The assessment reports come on the heels of the recent spate of extremes such as dramatic heat waves, unusual winter storms, floods and droughts, and forest fires, that communities have experienced across the globe not to forget the pandemic in the foreground. In wake of these challenges, the climate community has a remarkable opportunity to define a new focus for the "Climate Change 2.0" framework. The talk will discuss possible framework, opportunities, challenges, and examples that translate the climate change research from 'useful' to 'usable'; from a top-down modeling based to a hybrid analysis for risk assessment and tool development.

Tuesday, August 10th 2021

9:30 AM-9:35 AM	Welcome Address by **Dr. Nisha Mendiratta**, Advisor, Head, Climate Change Programme, Department of Science and Technology.
9:35 AM-9:45 AM	Inaugural Address by **Dr. Akhilesh Gupta**, Senior Advisor & Head, Policy Coordination and Program Management Division (PCPM), Department of Science and Technology.
9:45 AM-10:25 AM	Lecture by **Prof. Dev Niyogi**, Elliott Centennial Endowed Professor, Department of Geological Sciences, The University of Texas at Austin, United States of America entitled **"Climate Research 2.0: A Framework for Climate Studies for The Decade."**
10:25 AM-10:30 AM	Vote of Thanks.

Moderated by Dr R K Mall