



**National Seminar & First GSUK Annual Meet**

**on**

**Climate Change: Issues and Challenges**

**March 5-6, 2024**



**Organized by**

**Department of Geography**

**Pt. L.M.S. Campus, Rishikesh**

**Sri Dev Suman Uttarakhand University**

**Badsahithoul, Tehri Garhwal, Uttarakhand, India**

**&**

**Geographical Society of Uttarakhand (GSUK)**

## ABOUT THE SEMINAR

Climate change is one of the most pressing challenges our planet is facing today. It refers to long-term shifts in global weather patterns and temperatures, primarily driven by human activities such as the burning of fossil fuels, deforestation, and industrial processes. The consequences of climate change are far-reaching and include rising global temperatures, frequent and severe weather events, melting ice caps and glaciers, and rise in sea level. These changes have significant implications on ecosystems, economies, and human life. Climate change also exacerbates existing environmental issues, threatens biodiversity, and poses a serious risk to future generations. Addressing these issues requires collective global efforts to reduce greenhouse gas emissions, transition to sustainable energy sources, and adapt to the changes that are already underway. It's a complex and urgent issue that demands urgent action and strong commitment to a more sustainable and environment friendly responsible future. The relationship between climate and society has been dynamic throughout human history. On the other hand, this relationship has now evolved into a more intimate connection. The cumulative global impact of human actions is changing the composition of the atmosphere, which in turn affects the functioning of the climate system. As a result, future climates will differ from those of the past. While concerns about this possibility have existed, recent knowledge claims from scientific research have provided new reasons for apprehension. The concept of climate change is permeating and transforming society in novel ways.

Climate is a long term weather pattern of a region. The classical period for describing a climate is usually 30 years (according to world meteorological department). Climate change is both a result of human and natural factors. As we all know that climate is an inevitable factor that influences the success of what human beings do. The change in climate has been taking place since 4.5 billion years ago. Industrial revolution has played a giant role in climatic change globally, prior to that mankind was in a better sync with the environment. When we talk about a country which has various climatic zones, topography and ecosystems hence we are more susceptible to climate change.

According to global climate index risk 2021 India is the seventh most affected country due to climate change and this is a cause of concern climate change will lead to exposing one vulnerable communities to poverty, loss of livelihood, disasters to name a few. Kyoto protocol which came into effect in the year 2005 was responsible for including climate change in their domestic policies both at the national and state government levels and they also included private and civil society groups.

Climate change policies which are framed in India focus on supporting synergies between development and outcomes for the climate. India was one of the country that passed the energy conservation act in 2001 which was amended in 2022 in the month of August. The union cabinet (3<sup>rd</sup> August 2022) under the aegis of the prime minister passed the nationally determined contribution (NDC) for consideration by the united nations framework convention on climatic change (UNFCCC) under the Paris agreement to reach India's goal of net zero emission in the year 2070. This was basically a translation of the Panchamarit (5 Nectar Elements). India's action plan against changed announced at COP26 in Glasgow UK.

## OBJECTIVES OF THE SEMINAR

- 1.To understand climate change within a geographical viewpoint.
- 2.To grasp various methodologies and research designs for studying the impact of climate change on a regional and national scale.
- 3.To comprehend mechanisms for adaptation and building resilience in response to climate change.
- 4.To explore the potential for bridging gaps between on-the-ground realities, intellectual insights and policy formulation.

## SUB-THEMES

- ❖ Impact of Economic Development and the Social Dimensions of Climate Change
- ❖ Relationship between Climate Change, Urbanization and Population
- ❖ Understanding Climate change, extreme events and their implications
- ❖ Examining Biodiversity, Environmental Pollution and their interplay with Climate change
- ❖ Building resilience and adaptation mechanisms in response to Climate change
- ❖ Managing Water Resources in the Context of Climate change
- ❖ Utilizing Modern tools and techniques for studying Climate change
- ❖ Assessing the impact of Climate change on Agriculture and Horticulture
- ❖ Steering the Public Policy Framework: Issues, Challenges and Implementation Strategies.

However, the seminar encompasses more than the outlined sub-themes. Scholars who are interested can present their Research papers and share findings related to broader aspects of geographical research in 21<sup>st</sup> century.

## ABOUT SRI DEV SUMAN UTTARAKHAND UNIVERSITY AND IT'S RISHIKESH CAMPUS

Sri Dev Suman Uttarakhand University was established as a State University of Uttarakhand on 19th October, 2012. The University is nestled in the lap of Himalayan ranges in Tehri Garhwal and having jurisdiction over seven districts of Garhwal region of Uttarakhand. Sri Dev Suman Uttarakhand University is situated on the way between Chamba and New Tehri at a distance of 3 km from Chamba, one of the brightest spots of district Tehri Garhwal, at an elevation of 1676 m from sea level. This town, situated on Delhi-Gangotri national highway, offers one of the most spectacular view of snowcapped Himalaya and enchanting Bhagirathi Valley. The university campus is situated on a ridge facing to the east, surrounded by dense oak and pine tree forest. It is at a distance of 8 km from New Tehri, a newly established master-planned township located at an elevation of 1900 m and is the District headquarter of Tehri Garhwal. The famous Tehri Dam along with a huge lake between mountains, situated at a distance of 20 km from university campus, is a recent addition to the tourist attractions in the area.



## ABOUT US

Pandit Lalit Mohan Sharma Sri Dev Suman University Campus is located at Rishikesh. The campus was previously a prestigious college which was established in 1973. Formerly it was also an Autonomous college of the Uttarakhand state and on November 2021 it became the campus of Sri Dev Suman Uttarakhand University. **Rishikesh**, is located at a distance of 45 km. approx. from the state capital Dehradun, Uttarakhand, it is situated on the right bank of the Ganges River and is a pilgrimage town for Hindus, with ancient sages and saints meditating here in search of higher knowledge. There



are numerous temples and ashrams built along the bank of the river Ganga. Rishikesh is known as the "Gateway to the Garhwal Himalayas" and "Yoga Capital of the World".



## ABOUT THE DEPARTMENT OF GEOGRAPHY

The Department of Geography is one of the oldest departments in the region which was established by the Department of Higher Education, Government of Uttar Pradesh under the Garhwal University in 1973. The Department offers Under graduate, Post graduate and Ph.D. Courses in Geography. The Department has evolved many new courses, which have been widely acclaimed as the frontiers in Geography.

## ABOUT THE GEOGRAPHICAL SOCIETY OF UTTARAKHAND (GSUK)

The Geographical Society of Uttarakhand (GSUK), registered in 2023 in the month of June, upholds the motto "माता भूमि : पुत्रोऽहं पृथ्वियां :" with its headquarter at Department of Geography, Pt.Lalit Mohan Sharma Sri Dev Suman Uttarakhand University, Campus Rishikesh. The setting up of the Geographical Society of Uttarakhand marks the onset of a new era for the growth of Geography in Uttarakhand. The main goal of the association is to enhance and establish a consistent approach in teaching Geography across different educational tiers. It aims to recognize and address spatial challenges encountered by the state that are within the realm of geographical expertise. Furthermore, it seeks to raise public consciousness about the importance of geographical knowledge and to aid the government and policy makers by means of education and research pertaining to the socio-economic development and preservation of the mountainous environment.

### Geographical Society of Uttarakhand

(Registered under UK Societies Registration Act, 2006)

<b>President:</b>	Prof. Anita Pande
<b>Vice President</b>	Prof. B.R.Pant
<b>General Secretary</b>	Prof. D.C.Goswami
<b>Joint Secretary</b>	Dr. Deepak Kumar
<b>Finance Secretary</b>	Dr. Aruna P.Sutradhar
<b>Public Relation Secretary</b>	Prof.D.S.Negi
<b>Editorial In-Charge</b>	Prof. Anil Pal

## ABSTRACT & RESEARCH PAPER SUBMISSION GUIDELINES

Authors are requested to prepare their abstract and send a soft copy through email [seminargsuk@gmail.com](mailto:seminargsuk@gmail.com) Papers are invited for presentation during the National Seminar on each sub-theme. The participants are requested to send the abstract (not less than 300 words) to Co- Convener, Prof. Anjani Prasad Dubey (Mob. 9026311086) National Seminar & 1st Annual GSUK Meet, via Email: [seminargsuk@gmail.com](mailto:seminargsuk@gmail.com) latest by 15 February, 2024. The participants are requested to send a copy of full paper preferably through email to the Co- Convenor by 22 FEBRUARY, 2024. Abstract in English should be in Times New Roman in MS Word, 12 Font and in Hindi language it should be in Kurti Dev 010.

### IMPORTANT DATE

Submission of Registration Form/ Abstract	15.02.2024
Submission of Full Paper	22.02.2024

### REGISTRATION FEE

Teachers/Scientists	Rs. 1200/-
Research Scholars and Students	Rs. 1000/-
GSUK members	Rs. 800/-

## REGISTRATION

The participants can register themselves in advance by Online Payment to Saving Account Number **6186000100024596** of “**PRINCIPAL PT.L.M.S. SRIDEV SUMAN UTTARAKHAND UNIVERSITY CAMPUS RISHIKESH**”, Punjab National Bank, Branch Name: Krishi Utpadan Mandi Samiti Rishikesh, **IFSC: PUNB0618600, MICR: 246024905**. Accompanying persons will have to pay Rs. 1000/- each. Registration fee includes participant kit, entry in all sessions, food and participation certificate charges. During the seminar Non members of GSUK can take membership by paying prescribed fee as per norms. For this purpose, they can contact Dr. Aruna P. Sutradhar (9412149662), Finance Secretary GSUK.

### REGISTRATION LINK

<https://forms.gle/5HTk56gkH9eoqZEh9>

## ACCOMMODATION

Those who need accommodation must write/email to Organizing Secretary in advance to enable the organizers to make arrangements. Accommodation can be arranged for outstation candidates on the payment basis with prior intimation. No On Spot accommodation will be provided to anyone.

The GSUK General Body Meeting will be held on **March 6, 2024, at 5:00 PM** at the Department of Geography in Pt.L.M.S.Sri Dev Suman Uttarakhand University Campus, Rishikesh

## ORGANIZING COMMITTEE

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Vice Chancellor

Sri Dev Suman Uttarakhand University, Badsahithoul (Tehri Garhwal)

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Director Pt.L.M.S.SDSUV Campus,Rishikesh

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Department of Geography, SDSUV Campus, Rishikesh

&

**Prof. Anil Pal**

Department of Geography, DBS College, Dehradun

## CO - ORGANIZING SECRETARY

**Prof. Aruna P Sutradhar**

&

**Prof. Anjani Prasad Dubey**

Department of Geography, SDSUV Campus, Rishikesh



**Registration Form**  
**National Seminar & 1<sup>st</sup> Annual GSUK Meet**  
**On**  
**Climate Change: Issues and Challenges**  
**Pt.L.M.S.Sridev Suman University Campus, Rishikesh**

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Place: ..... Date: .....

*Papers already presented and published are not allowed*

Signature

