

# Climate change – Science and Impacts

ICCCH 01

## Temperature trends at Dehradun in Doon valley of Uttarakhand, India

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ICCCH 03

## “Estimation of Snowmelt Runoff in Chenab Basin, Western Himalayas”

Ms. Retinder Kour<sup>1</sup>, Dr. N. Patel<sup>2</sup>, & Dr. A.P. Krishna<sup>3</sup>

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ICCCH 04

## *Cedrus deodara* (Roxb.) G. Don a possible indicator of climate change in Sikkim Himalaya

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ICCCH 05

Decision Support System for Water Resource Management in Watershed of Mid-Elevation Central Himalaya

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ICCCH 06

## Impacts of Jhuming in Manipur

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ICCCH 08

The focal themes of the conference are exclusively related to "the Himalayas" Disaster, Mitigation and Adaptation Climate Change and Appropriate Actions Worldwide

Dr. Kiran Yadav

Teaching Personnel GBPUA &T Hill Campus Ranichauri Tehri Garhwal

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ICCCH 10

## ESTIMATING GLACIER CHANGES IN THE SPITI BASIN (1972-2006) THROUGH REMOTE SENSING TECHNIQUES

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ICCCH 11

Methodology to derive land surface and energy balance parameters using satellite remote sensing

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ICCCH 12

Glacier Mass Balance Estimation using Remote Sensing Data in the Himalayan Region and its Potential for Climate Change Studies

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ICCCH 13

Diurnal variation in precipitable water vapour over Almora, Central Himalaya India

Sneh Joshi<sup>1</sup>, Kireet Kumar<sup>1</sup> and Bimal Pande<sup>2</sup>

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ICCCH 17

Hydrochemistry of meltwater emerging from Raktavaran glacier, central Himalaya, India

Virendra Bahadur Singh<sup>1</sup>, AL. Ramanathan<sup>1\*</sup>, Jose George Pottakkal<sup>1</sup>,  
Parmanand Sharma<sup>2</sup> and Anurag Linda<sup>1</sup>

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ICCCH 18

SUSTAINABLE ECOSYSTEM DEVELOPMENT PLANNING IN PHAKOT SUB-  
WATERSHED, TEHRI GARHWAL DISTRICT, UTTARAKHAND  
USING IKONOS DATA

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ICCCH 20

Analysis of long term climate variability and changes in  
North-Western states of Indian Himalayan Region (IHR)

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ICCCH 24

Does the Himalayan Glacier Study mean for Climate Change?

Manohar Arora, Rakesh Kumar and R D Singh

ICCCH 25

Climate Variability And Urbanization-Impacts, Risk And  
Solutions For Narmada River Basin

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ICCCH 27

Application of Isotopes of Water Vapour in Climate  
Studies – A World Perspective

ICCCH 29

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## Hydrochemistry of meltwater emerging from Raktavaran glacier, central Himalaya, India

Virendra Bahadur Singh<sup>1</sup>, AL. Ramanathan<sup>1\*</sup>, Jose George Pottakkal<sup>1</sup>,  
Parmanand Sharma<sup>2</sup> and Anurag Linda<sup>1</sup>

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ICCCH 31

## Modelling Energy and Mass Balance of Chhota Shigri Glacier

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ICCCH 33

## Consequences of Climate Change – Risks to the Globe

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&

Chairperson, Disaster Preparedness Network–Nepal (DPNet)

ICCCH 34

## Comparative developmental study of two species of a homosporous climbing fern of *Lygodium*

Ruchi Srivastava & P.L.Uniyal

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ICCCH 35

## Identification and Hazard Assessment of Potentially Dangerous Glacial Lakes in Himachal Pradesh

Rajeshwar Singh Banshtu and Chander Prakash

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ICCCH 36

## Climate Change Impacts in Central Himalayan Agro-ecosystem and Adaptation Strategies: Integrating Local Perception and Traditional Knowledge

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ICCCH 38

## Institutional Governance for Sustenance of Himalayan Ecology

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ICCCH 39

## Impact of climate change on the water resources of Himalayan Mountains

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Dr. S.Kalyanaraman,

Former Sr. Exec., Asian Development Bank, Sankar Urali, Software Engineer, USA and Abirami Pachamuthu, Quality Assurance Engineer, Mitech, USA.

ICCCH 40

## Climatic phases and its effect in the derivation and deposition of Himalayan foreland basin

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ICCCH 41

## Climate Change and Hill Agriculture

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## Climate Change and Social Media: Facebook as an effective climate messenger

ICCCH 44

## Impacts of Climate Change and Coping Strategies by Mountain Communities of Uttarakhand Himalaya, India

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ICCCH 45

## Assessment of soil and aboveground biomass carbon stock in two Himalayan foot hills areas of Assam and their carbon sequestration potential

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ICCCH 46

## Industrial emissions from coal utilization and its effect on climate change

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ICCCH 49

## Benthic faunal assemblage - Diversity and Time Scale Changes in the ice cold Kongsfjorden Arctic Ecosystem

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ICCCH 50

## Climatic signals and global events in the last 5 ka from a sub-tropical lake in Garhwal Himalaya (India)

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ICCCH 54



## Vegetation and taxonomic profile of the flora of Indian cold desert: a highly fragile and vulnerable mountain ecosystem in the country

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ICCCH 55

## A Threat to Agro biodiversity and its Conservation in Uttarakhand Himalaya due to Commercialization of Agriculture

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ICCCH 56

## Climate change and attendant landslide hazards in the northwest Himalayas

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ICCCH 57

## *Olea ferruginea* Royle: a potential tree crop for sustainable development of North West Himalaya

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ICCCH 58

## Biodiversity Hotspots of the Himalayan Region and Climate Change

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ICCCH 59

## Effect of MSW leachate on the Deepar beel ecosystem, a Ramsar site in Assam, India.

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ICCCH 61

## An assessment of NDVI on Himalayan Plateau by using Geospatial Technology

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## Climate Change and Multiple hazards in mountain region

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## Climate change and the Recession pattern of the Glaciers in the Himalayas

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## Altitudinal Shiftness of Butterflies Due To Increase of Air Temperature – A Case Study in West Kumang District of Arunachal Pradesh

M. Bhuyan, J. Mech, R. Choudhary, K. Rakshit, A. Duarah,  
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ICCCH 68

## Evolving climate resilient livelihoods through integration of climate change adaptation and disaster risk mitigation

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ICCCH 69

## Impacts of Climate Change on Groundwater Resource Management And National Policy

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ICCCH 70

## Himalayan Biodiversity Conservation: a Challenge in Climate Change Scenario

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ICCCH 72

## IMPACT OF CLIMATE CHANGE ON HETEROTROPHIC BACTERIAL COMMUNITIES IN THE WATER AND SEDIMENT OF KONGSFJORD IN NORWEGIAN ARCTIC

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ICCCH 73

## Non-food oilseed plant as an alternative resource for biofuel production

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ICCCH 74

Tilting of the vegetation in the ablation zone may be potential indicators of climatic and glacial deviation: A case study

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ICCCH 79

God give me the courage to change the things I can (pollution and technology), accept the things I cannot change ( climate change) ,serenity and wisdom to know the difference

Arya's C cycles

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ICCCH 81

Phenotypic Plasticity leading to Sympatric speciation in populations of Ephedra in Lahaul and Spiti (India)

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ICCCH 82

## Climatic Change and Increasing Geo-hydrological Hazards

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ICCCH 83

## Landslides and its impact on society – A case study of Narayanbagar Landslide

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ICCCH 84

## A Statistical Analysis to Study the Effect of Solar Activity on Gangotri Glacier

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ICCCH 85

**Landslides and cloudburst in Indian Himalayan Region (IHR) during June 2013-  
Historical perspectives and remedial measures**

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