

REGISTRATION FORM

Personal information/Delegate

Name & Address

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Designation

Email:

Mob:

Important Information :-

•Abstract of the paper (soft copy max. 250 words). Last date of abstract submission: 25.01.2024. Abstracts of the papers will be reviewed and then selected abstracts will be considered for publication and, the authors will be informed to submit the registration fee and full length papers

Email: botanyssju@gmail.com

•Full research paper must be submitted before 05.02.2024 on botanyssju@gmail.com. A hard copy of the paper must be submitted at the time of the seminar.

•Selected papers will be published soon as a proceeding with ISBN.

•Offline mode

•Registration Fee (Till 25.01.2024)

Outstation Delegates

Teachers Rs. 1500/-

Research Scholars Rs. 1000/-

Local delegates (only S.S.J. Campus-

Teachers Rs.1000/-

& Research Scholars) Rs. 800/-

Commercial organizations: Rs. 2000/- Commercial

stall related to theme Rs. 3000/ day

* Extra charges Rs. 500/- for each category will be paid as late registration upto 20.01.2024

•Language: English or Hindi; font Time New Roman (12) for English; Kruti Dev 10 and font size 14 for Hindi

•Online hybrid mode

•Teacher- Rs. 1200/-

•Research scholar- Rs. 800/.

Note :

•Out stationed delegates will get the facility of boarding and lodging. Accommodation facility will be provided to only on the first day of the seminar (18-02-2024).

•The registration fee must submit through The Nainital Bank-Account Name- Applied Bioscience; Account No. 0822000000005158 IFSC Code : NTBL0ALM082

•Please send a copy of registration fee receipt on whatsapp no. +91-8474951562, 9675448693

•No responsibility of boarding and lodging will be taken for those delegates whose Delegate fee is not received by 25.01.2024.

To,

Dr. Dhani Arya
Convener and Head Department of Botany
Soban Singh Jeena University Campus, Almora



NATIONAL SEMINAR ON CLIMATE CHANGE AND SUSTAINABILITY OF NATURAL RESOURCES IN HIMALAYAN REGION

**18-19 February,
2024**

ORGANIZED BY:

**DEPARTMENT OF BOTANY
SOBAN SINGH JEENA UNIVERSITY,
CAMPUS, ALMORA- 263601
UTTARAKHAND INDIA**

**SPONSERED BY:
SERB-DST, New Delhi**



ABOUT THE THEME

Climate change and sustainability of natural resources have emerged as critical themes in international conferences worldwide. As the effects of climate change become increasingly evident, there is a growing urgency to address its far-reaching impacts on the environment and human society. These conferences serve as essential platforms for scientists, policymakers, businesses, and communities to collaborate, exchange ideas, and develop strategies to mitigate climate change and safeguard the sustainability of natural resources. Climate change poses a multifaceted threat to the planet, causing rising global temperatures, extreme weather events, melting ice caps, sea-level rise, and disruptions to ecosystems. Such changes not only endanger biodiversity but also jeopardize the livelihoods of millions of people, particularly in vulnerable regions. International conferences on this theme focus on assessing the latest scientific findings related to climate change, its causes, and potential solutions. One primary objective of these conferences is to foster international cooperation and consensus on climate action. Participants discuss the implementation of the Paris Agreement and explore ways to enhance nationally determined contributions (NDCs) to limit global warming to well below 2 degrees Celsius above pre-industrial levels. Collaboration between developed and developing nations is crucial to ensure a fair and equitable distribution of responsibilities in tackling climate change. Additionally, sustainable management of natural resources plays a pivotal role in addressing climate change. These resources encompass forests, water, soil, minerals, and energy sources. Conference discussions often delve into sustainable practices, including renewable energy adoption, reforestation, water conservation, and responsible mining. Innovation and technology also feature prominently in these conferences. Participants explore cutting-edge solutions to reduce carbon emissions, enhance climate resilience, and promote sustainable development. Advancements in renewable energy technologies, carbon capture and storage, and climate-smart agriculture are key topics for consideration. Moreover, conferences highlight the importance of raising public awareness and fostering climate education. Empowering communities to adapt to climate change and promoting sustainable lifestyles are integral components of the discussions. In conclusion, international conferences on climate change and sustainability of natural resources serve as crucial platforms to address the challenges posed by climate change. Through collaborative efforts, global cooperation, and innovative solutions, these conferences strive to safeguard the planet's future for generations to come. By engaging stakeholders from diverse backgrounds, these events help forge a path towards a more sustainable and resilient world.

SUBTHEME

1. Glacier Retreat and Water Resources
2. Biodiversity and Ecosystem Services
3. Forest Dynamics and Carbon Storage
4. Disaster Risk and Resilience
5. Agricultural Adaptation
6. Livelihoods and Indigenous Knowledge
7. Melting Permafrost and Infrastructure Vulnerability
8. Eco-tourism and Mountain Recreation
9. Forest Conservation and Climate Change Mitigation
10. International Collaboration and Policy

DEPARTMENT OF BOTANY

The department of Botany, S.S.J. Campus is located in a lush green picturesque area in Almora. It came into existence in 1966 under Kumaun University. Recently our campus is converted into Soban Singh Jeena University, Almora a residential cum affiliating university in the year 2020 under the Uttarakhand Act No. 19 of 2020. Since June 22, 2020 Botany department is functioning as main University Department. Some of the major areas of research in the department are: improvement and propagation of living fossil gymnosperm- *Ginkgo biloba*, evaluation and conservation of plant biodiversity; discovery of several new species, importance of microbes in human welfare, biotechnology and bioinformatics application to discover drugs from plant phytochemicals against various human diseases. In addition to teaching through modern techniques; seminars, symposia, workshops, invited lectures and botanical excursions are an integral part of academic programme of the department. The faculties have undertaken several individual and collaborative research projects from various agencies like, DST, UGC, MOEF etc. The Department has been offering specialized course in the areas like plant taxonomy, forest ecology, lichenology, plant biotechnology and microbiology. The Department has a well-established 'Botanical Garden' and herbarium housing having more than 1000 plant species collections with complete descriptions and is one of the main referral centres for plant identification, especially Pteridophytes; Gymnosperms; Lichens and Algae. The Department also possesses a virtual herbarium containing 104 species of common flowering plants of Kumaun Himalaya for online access for its users. The mushrooms and honey are two natural products of forests as well as the agricultural systems. These two products can generate the revenue as manifold enhancement in productivity and production with modern technology and value addition. The aim of the department is the enhancement the skill development and entrepreneurship of students regarding the self-sufficient, self-dependent employment.

DEPARTMENTAL ACHIEVEMENTS DURING COVID- 19

1. National seminar on "Lichen Biodiversity Awareness" on 01.03.2021 in collaboration with Indian Lichenological Society, CSIR-NBRI, Lucknow.
2. Field Oriented Training Course on "Plant Taxonomy, Vegetation Assessment and Statistical Analysis" in collaboration with GB Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora during March 25th-27th, 2021.
3. Online seminar organized on "Solving environmental problems through community involvement in Himalayan region" (on environment day) 05.06.2021.
4. Online seminar organized on "Cryptogams and their role in environmental conservation" on 04.07.2021 in collaboration with Indian Lichenological Society, CSIR-NBRI, Lucknow.
5. Online seminar organized on "Livelihood based skill development on mushroom cultivation and beekeeping through the participation of stakeholders of the Himalayan region" on 27.08.2021 in collaboration with NGO SPARDHAAlmora.
6. Online Inter-departmental essay completion of PG students and research scholars on the occasion of Himalaya Divas on 09.09.2021.
7. Around 100 cuttings of *Ginkgo biloba* have planted in 2021 for plantation purpose in 2022 in different areas of Almora.
8. Nakshatra Vatika has been initiated with Banana, Parijat, Amla, Tulsi, Pati etc.
9. Plantation of 30 different trees with tree guards was done by Botany department in the memory of brave Martyrs inscribed in Shaurya Deewar in mathematics department (August- September, 2023)

Patron

Prof. (Dr.) Satpal Singh Bisht, Hon'ble Vice Chancellor, Soban Singh Jeena University, Almora

Chief Guest

Prof. Sunil Nautiyal, Director, GBPNIHE, Almora

Special Guest

Prof. O.P.S Negi, Hon'ble Vice Chancellor, Uttarakhand Open University, Haldwani

Chairperson

Prof. P.S Bisht, Director, S..S.J Campus Almora

Guest of Honor

Prof. J.S Bisht, Director, Research and Extension, S.S.J University, Almora

Seminar Director

Dr. S. S. Samant, Former Director , HFRI, Shimla, H.P.

Convener

Dr. Dhani Arya, Head, Department of Botany, S.S.J. Campus Almora

Co-Convener

Dr. Balwant Kumar, Department of Botany S.S.J. Campus Almora

Organizing Secretary

Dr. Subhash Chandra , Dr. M.L. Upadhyay, Dr. Ravindra Kumar, Dr. Naveen Chandra Bhatt, Department of Botany, S.S.J. Campus Almora

Keynote Speaker

Dr. G.S Rawat, Former Director, WII, Dehradun

Resource Person

Dr. J.C Kuniyal, Scientist G, GBPNIHE, Almora

Dr. Gajendra Singh, Scientist C, USAC, Dehradun

National Advisory Committee

Prof. S.P. Singh Former Vice Chancellor, HNB Garhwal University Srinagar, Prof. P.C. Pandey Former Head, Botany, K.U. Nainital, Prof. Sudhir Chandra Former Head, Botany K. U. Nainital, Dr. D.K. Upreti Emeritus Scientist CSIR-NBRI Lucknow, Prof. Y.S. Rawat, Former Head, Botany, K. U. Nainital, Prof. Jagat Singh Bisht, Director Research and Extension S.S.J. University Almora, Prof. S.K. Joshi Dean Science S.S.J. Campus Almora, Prof. S.S. Bargali, HOD, Prof. L.M. Tewari, Department of Botany, K. U. Nainital, Prof. Uma Melkania Former Dean & Head of Environmental Science, GBPUAT (Pantnagar), Dr. P.S. Negi, Former Scientist DRDO Pithoragarh.

Local Advisory Committee

Prof. J.S. Rawat (DST Chair Professor) S.S.J. University Almora, Prof. Anil Kumar Yadav HOD, Forestry and Environmental Science, Prof. Bheema Manral HOD Education, Prof. G.C.Sah, HOD, Prof. Rubina Aman, Chemistry, Prof. Ila Bisht HOD, Zoology S.S.J. University Almora, Dr. I.D. Bhatt Scientist F, Dr. K.Chandra Sekar, Scientist E, Dr. K.S. Kanwal Scientist D, Dr. Ashish Pandey Scientist C, Dr. Suresh Kumar Rana Scientist B, GBPNIHE, Kosi Katramal, Dr. Manish Tripathi Scientist B, GBPNIHE Kullu Unit H.P, Dr. Lalit Chandra Joshi Media Coordinator & Journalism and Mass Communication S.S.J. University Campus Almora

Members of Organizing Committee

Dr. Subhash Chandra, Dr. Manjulata Upadhyay, Dr. Ravindra Kumar & Dr. Naveen Chandra Bhatt Department of Botany, Dr. Priyanka Sagar, Dr. Bhuwan Chandra & Dr. D. S. Dhami, Department of Chemistry, Dr. Sandeep Kumar, Dr. Mukesh Samant & Dr. R.C. Maurya, Department of Zoology, Prof. Jyoti Joshi HOD, Dr. Deepak, Department of Geography, Dr. Pratibha Fuloria, Dr. N.S. Bisht, Dr. Vijay Ballabh, Department of Physics, Dr. Parul Saxena HOD, Dr. M.K. Bisht, Dr. R.N. Pathak, Department of Computer Science, Dr. D.S. Bisht Department of Education, Dr. Manmohan Kanwal Department of Forestry, S.S.J University Almora

Instant Places of Almora

Kasar Devi Temple (8 km from Almora): Nestled amidst serene surroundings, Kasar Devi Temple is a spiritual haven known for its tranquil ambiance. This tranquil spot is adorned with lush pine and oak trees, providing a serene atmosphere for visitors. It offers panoramic views of the Himalayas and is a popular spot for meditation and introspection.

Chitai Golu Devta Temple (9 km from Almora): Famous for its unique tradition of tying bells as offerings, Chitai Golu Devta Temple is dedicated to Lord Golu, an incarnation of Lord Shiva, and is known for its unique tradition of tying bells in the temple premises. Devotees tie a bell as a petition to the deity, and it is believed that when their wishes are fulfilled, they return to untie the bell.

Bright End Corner (1.5 km from Almora): Providing breathtaking sunset views, Bright End Corner is a vantage point that showcases the beauty of the snow-capped peaks. It's a serene spot to unwind and appreciate the natural splendor of Almora.

Deer Park (3 km from Almora): A haven for nature lovers, Deer Park is home to various species of deer and offers a peaceful environment for a leisurely stroll. Surrounded by pine and oak trees, it's an ideal spot for a picnic.

Jageshwar Dham: Situated approximately 36 km from Almora, this sacred site is home to a cluster of ancient temples dedicated to Lord Shiva. It is renowned for its cluster of ancient Hindu temples dedicated to Lord Shiva. The temples are surrounded by a dense deodar forest, creating a serene and spiritual atmosphere. The main temple is dedicated to Jageshwar (Lord Shiva), and the site is considered one of the twelve Jyotirlingas in India.

Binsar Wildlife Sanctuary (33 km from Almora): Located a bit further away, Binsar Wildlife Sanctuary is a haven for wildlife enthusiasts. It's home to a variety of flora and fauna, and trekking trails offer a chance to explore the natural beauty of the region.

Gobind Vallabh Pant Museum (2 km from Almora): This museum showcases the cultural and historical heritage of the Kumaon region. It's a great place to learn about the local art, culture, and history.

Simtola Eco Park (3 km from Almora): Simtola is a beautiful picnic spot with lush gardens and a small pond. It's an ideal place to spend a relaxed afternoon amidst nature.

Ranikhet (49 km from Almora): Although a bit farther, Ranikhet is a popular destination with its meadows, orchards, and the historical Jhula Devi Temple. The town is surrounded by picturesque views of the Himalayas.

Kalimath (5 km from Almora): This ancient temple dedicated to Goddess Kali is situated on a hill, offering panoramic views of the Himalayas. It's a sacred spot with a serene atmosphere, making it a pilgrimage site for devotees.

Kausani (55 km from Almora): It is famous for its scenic splendour and its spectacular 300 km-wide panoramic view of Himalayan peaks like Trishul, Nanda Devi and Panchachuli, Mahatma Gandhi called this place the 'Switzerland of India'

