

CONFERENCE REPORT

International Conference on “Emerging issues in Biodiversity and Environment for Sustainable Development” held on 14th and 15th Feb, 2024 at Vallabh Government College, Mandi (H.P)

The Department of Zoology and Environment Science of Vallabh Government College Mandi organized an International Conference on “*Emerging issues in Biodiversity and Environment for Sustainable Development*” on 14th and 15th February 2024 under the guidance of Principal Ms. Surina Sharma. This conference covered important issues on various aspects of biodiversity conservation and environment protection in meeting the objectives of sustainable development. Sh. Krishan Vaidya, Additional Director (Retired), Department of Higher Education, GoHP graced the inaugural function of the event as our esteemed Chief Guest.

Dr. M. C. Sidhu, Professor, Department of Botany, Panjab University, Chandigarh delivered his keynote address on “Understanding the Complexity of biodiversity and its conservation strategies”. Dr. Shashikant Bhatia, Associate Professor, Konkuk University, South Korea delivered a detailed talk on “Microbes for a sustainable future” and their application in various fields. Dr. Gitika Thakur, Post Doctoral Research Associate, University of Illinois, Rockford, USA talked about “The potential of stem cells for regenerative medicine: From pancreatic islets to motor neurons”.

The valedictory function of the event was graced by Prof. Lalit Kumar Awasthi, Director, NIT Uttarakhand as Chief Guest of the event. During the valedictory function of the conference, Dr. Vinod Kumar Mattu , Professor Emeritus UGC, Ex Chairman, Department of Biosciences, HPU provided deep insights about “Biodiversity, environment & sustainable development: a way forward for self reliant India”. Prof. Tulika P Srivastava, School of Biosciences and Bioengineering, IIT Mandi talked about an important alternate energy source that is biogas.

Dr. Harinder Banyal, Chairperson, Biosciences Department. H.P. University, Shimla focused his talk on “Emerging issues related to aquatic faunal diversity in Himachal Pradesh region of northwestern Himalayas with special focus on sustainable development”. Dr. Pawan Rana, Scientist & Head, Forest Protection Division, Himalayan Forest Research Institute , Shimla, Himachal Pradesh delivered a detailed talk on “Challenges of threats of insect pest attacks in Himalayan forests: ecofriendly mitigation strategy”.

During the two days event a total number of 160 academicians/professor, researchers and students from Himachal Pradesh, other states and even abroad presented their research work in the form of research papers and posters. A total no of 66 research papers were presented offline, 78 online and 16 poster presentations were there. Besides the colleges and universities located in Himachal Pradesh, research papers were presented from NIT and IIT, Panjab University, BHU, GHNB University Gharwal, Patna University, Chandigarh University, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Kurukshetra University, Ch. Charan Singh University, Meerut, Konkuk University Seoul, South Korea , Manitoba Real Estate Association Canada, University of Illinois, USA.

The major outcomes of the conference were:

1. The conference provided a platform to more than 160 academicians, scientist and students to interact and discuss their respective research areas and outcomes aligned to the theme of the conference not only from India but abroad also.
2. More than 500 students also participated in the conference. Undergraduate Students of the college also got exposure to attend an International Event and also the various aspects of research which will be helpful for them in their further studies and career as well.
3. The conference paved a way towards further collaboration in research and development with Industries and prestigious institutions like IITs and NITs.
4. The conference hosted 10 online-offline technical sessions targeting various multidisciplinary field targeting various issues pertaining sustainable development.
5. Major recommendations:
 - Improvement in agriculture in sustainable way through organic farming implementation and decreasing use of pesticides.
 - Conservation of natural resources in sustainable way and regulating their misuse.
 - Promotion of renewable sources of energy keeping in view the ill effects of using fossil fuels as major energy source and also their volatility.
 - Use of AI and introduction of AI courses in colleges to keep the faculty as well as students updated with this technology.
 - Check on developmental activities to stop overcrowding and over-exploitation of natural resources through sustainable land-use planning.

- Promotion of Sustainable eco tourism to keeping in view the ill effects of mass tourism
- Promotion of Scientific waste management.
- Control and mitigation of human-wildlife conflicts through sustainable approaches in collaboration with communities.

In future also such type of events will be organized for the overall benefit of academia, students and society.



Release of Abstract Book Souvenir



Poster Presentations



Online Sessions



Cultural Event

वल्लभ महाविद्यालय में जैव विविधता और पर्यावरण में उभरते मुद्दों पर अंतर्राष्ट्रीय सम्मेलन का किया आयोजन

ये रहे विशेषकर्ता एवं उपदिग्गता

वैश्विक जैव विविधता और पर्यावरण के उभरते मुद्दों पर अंतर्राष्ट्रीय सम्मेलन का आयोजन करने के लिए जैव विविधता और पर्यावरण में उभरते मुद्दों पर एक अंतर्राष्ट्रीय सम्मेलन का आयोजन किया। सम्मेलन के सत्रावधि के दौरान, वैश्विक जैव विविधता और पर्यावरण के उभरते मुद्दों पर एक अंतर्राष्ट्रीय सम्मेलन का आयोजन किया। सम्मेलन के सत्रावधि के दौरान, वैश्विक जैव विविधता और पर्यावरण के उभरते मुद्दों पर एक अंतर्राष्ट्रीय सम्मेलन का आयोजन किया।

The two-day international conference held on 'Emerging Issues of Biodiversity and Environment for Sustainable Development' at Vallabh Government College, Mandi, concluded yesterday.

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Group Photo

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**Principal
Vallabh Government College
Mandi (H.P)**