

INTERNATIONAL CONFERENCE

ON

THE ROLE OF TECHNOLOGY TO
COMBAT THE TRIAD IN CRISES:
BIODIVERSITY LOSS, CLIMATE
CHANGE AND SUSTAINABLE FUTURE



KINDLY MARK YOUR CALENDARS
FOR OCTOBER 24-25, 2024

1

Dr. Sarvepalli. Radhakrishnan Govt. Degree College Dharampur Mandi (H.P.)

2

OCTOBER 24-25, 2024

3

Hybrid mode



ADDRESS

Dr. Sarvepalli Radhakrishnan
Govt. Degree College
DHARAMPUR,
District Mandi, H.P.-175040



ORGANISED BY IQAC CELL
AND
FACULTY OF SCIENCES

FOR FURTHER
INFORMATION PLEASE
CONTACT

Convener:

Viveka Nand Sharma
+917018613345

Organising Secretary:
Abhishek Sharma
+918360872339

Chief Patron cum Principal: Dr. Ramesh Dhaloria

Patron: Ramesh Sharma



<https://gcdharampur.in/>



e-mail: intgcdharampur@gmail.com

TWO DAYS

INTERNATIONAL CONFERENCE

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Dr. Sarvepalli Radhakrishnan Govt. Degree College Dharampur, Mandi (H.P.) 175040 - INDIA

AIMS AND OBJECTIVES OF THE CONFERENCE

To address the interconnected crises of biodiversity loss, climate change and unsustainable development through the application of innovative technologies and strategies, this conference aims to contribute to a resilient and sustainable future by promoting biodiversity conservation, climate resilience and sustainable development. This will be achieved by fostering collaboration, showcasing sustainable business models, informing evidence-based decision-making and catalyzing interdisciplinary research and knowledge sharing. By achieving these objectives, the conference aims to contribute to a sustainable future, ensuring biodiversity conservation, climate resilience and sustainable development.

ABOUT THE COLLEGE

Dr. Sarvepalli Radhakrishnan Government Degree College, located at Dharampur in District Mandi, Himachal Pradesh, was founded on December 17, 2006. In 2014, the institution was named to honour the distinguished Dr. Sarvepalli Radhakrishnan the great educationist and statesman. The college received accreditation from the National Assessment and Accreditation Council (NAAC) with Grade 'B' in 2021. It offers Undergraduate programs in Humanities, Science, Commerce and Post Graduation in English within a co-educational system. Beyond academics, the college also provides opportunities for Co-curricular, cultural and sports activities, promoting harmonious development of the students.

ABOUT THE CONFERENCE

The interconnected challenges of biodiversity loss, climate change and unsustainable development call for creative technological solutions. This conference will delve into the crucial role of technology in addressing these issues and promoting a sustainable future. Prominent experts from academia, industry and policy will gather to discuss advanced technologies, such as climate-resilient conservation, renewable energy innovations, environmental remediation and green chemistry breakthroughs. Additionally, the conference will focus on sustainable business models, environmental governance and innovative financing strategies. By connecting technology, policy and practice, the aim is to inspire transformative solutions, enhance evidence-based decision-making and encourage collaborative problem-solving. The outcomes will help to shape resilient and a sustainable future, ensuring the conservation of biodiversity, climate resilience and sustainable development. This event will serve as a platform for knowledge exchange, strategic partnerships and actionable recommendations for a sustainable future.

CONFERENCE FEE

Abstract Submission (1-16 October, 2024)

Registration Fee Online /Offline Mode

Corporate/Industry Participants / Others	-	₹ 1200
Academician/Faculty/Research scholars	-	₹1000
Only Attendees/Foreign Students -		₹ 300
UG/PG Students		₹ 200

NOTE:- NO TA/DA WILL BE PAID TO PARTICIPANTS/DELEGATES

KEYNOTE SPEAKERS



DR. SUDRIPT SHARMA

He currently serves as a Research & Development Professional at Milliken & Company in the United States



DR. VIPUL SHARMA

Assistant Professor
Department of Mechanical and Materials Engineering
University of Turku Finland



DR. HUSAN CHAND

Marie Skłodowska-Curie Actions
Research Fellow
Politecnico di Milano.
Department of Chemistry, Materials and
Chemical Engineering "Giulio Natta"
• Milan • Italy



DR. STILYANA AVRAMOVA

Medical Doctor, Sofia, Bulgaria



DR. TAVINDER

Institute of Chemical Reaction Drug and
Discovery ICRDD Japan Hokkaido University



DR. RAHUL GAUTAM

ISM Kyrgyzstan
Member IFMSA Small Working Group for
Public Health Exchanges

IMPORTANT DATES

OCTOBER-16, 2024

Abstract
Submission
Deadline

OCTOBER-23, 2022

Schedule for
Paper
Presentation

OCTOBER-24, 2024

On Spot
Registration

OCTOBER 24-25, 2024

Conference
Date

SUB TOPICS

- Mitigating Human-Wildlife Conflicts: Strategies and Innovations
- Climate-Resilient Crop Development and Breeding for Sustainable Agriculture
- Plant Conservation and Sustainable Agroforestry Practices
- Renewable Energy Solutions and Energy Storage Technologies
- Mathematical and Statistical Modeling for Climate Change and Biodiversity
- Green Chemistry and Sustainable Manufacturing: Innovations and Applications
- Environmental Remediation and Pollution Control Technologies
- Sustainable Business Models and Entrepreneurship for Environmental Stewardship
- Environmental Governance and Policy Frameworks for Climate Action
- Green Economy, Sustainable Development, and Innovative Financing Mechanism
- Environment education awareness raising stretching and eco-friendly construction materials and practices
- Historical Lessons from Environmental Disasters and Crises: Informing Future Resilience

ABSTRACT SUBMISSION REQUIREMENTS

1. Word Limit: Maximum 250-300 words
2. Keywords: Maximum 5 words
3. Language: English and Hindi
4. Font:
 - (a) Title: Times New Roman, Font Size 14, Bold for English and Font Size 12 for Hindi
 - (b) Abstract: Times New Roman, Font Size 10 for English and Font Size 8 Kruti Dev for Hindi
5. Line Spacing: 1.15
6. The abstract must be plagiarism free before submission

BANK DETAILS

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Account Name: Society of Higher Education Institute, GDC Dharampur
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IFSC Code: SBIN0013707
MICR Code: 175002108
Or
UPI Id :- gdc dharampur@sbi

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Dr. Ramesh Dhalaria

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Sh. Vijay Kumar
Assistant Professor (Commerce)
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9477248295

JOINT SECRETARIES

Sh. Manoj Kumar
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Sh. Manbir
Assistant Professor (Botany)
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Sh. Vijay Kumar	8219096515
Dr. Nisha Devi	8219051875
Miss Shelly Thakur	9477248295
Sh. Manoj Kumar	8360419215
Sh. Manbir	7018672041

INTERNATIONAL

ADVISORY COMMITTEE

Dr. Sudript Sharma	(USA)
Dr. Husan Chand	(Italy)
Dr. Tavinder	(Japan)
Dr. Vipul Sharma	(Finland)

NATIONAL ADVISORY COMMITTEE

Sh. Viveka Nand Sharma, Assistant Professor (Zoology)
Dr. Dheeraj Rawat, Associate Professor (Botany) HPU
Dr. H.S. Banyal, Associate Professor (Zoology) HPU
Dr. Mahender Singh, Associate Professor (Zoology) HPU
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(Computational Biology) CU Bhatinda

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Dr. Neelam Thakur, Assistant Professor (Zoology, SPU)
Dr. Hitesh Kumar, Assistant Professor (Botany) SPU
Dr. Gulshan Kumar, Associate Professor (Physics)
Dr. Vikul, Assistant Professor (Zoology) HPU

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BOOK OF ABSTRACTS



OCTOBER 24-25, 2024

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**DR. SARVEPALLI
RADHAKRISHNAN GOVT. DEGREE
COLLEGE DHARAMPUR, MANDI
(H.P.) 175040-INDIA**





INTERNATIONAL CONFERENCE

About the College

DR. SARVEPALLI RADHAKRISHNAN GOVERNMENT DEGREE COLLEGE, LOCATED IN DHARAMPUR, DISTRICT MANDI, HIMACHAL PRADESH, WAS FOUNDED ON DECEMBER 17, 2006. IN 2014, THE INSTITUTION WAS NAMED TO HONOUR THE DISTINGUISHED DR. SARVEPALLI RADHAKRISHNAN THE GREAT EDUCATIONIST AND STATESMAN. THE COLLEGE RECEIVED ACCREDITATION FROM THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) WITH GRADE "B" IN 2021. IT OFFERS UNDERGRADUATE PROGRAMS IN HUMANITIES, SCIENCE, COMMERCE AND POSTGRADUATE IN ENGLISH WITHIN A CO-EDUCATIONAL SYSTEM. BEYOND ACADEMICS, THE COLLEGE ALSO PROVIDES OPPORTUNITIES FOR CO-CURRICULAR, CULTURAL AND SPORTS ACTIVITIES, PROMOTING HARMONIOUS DEVELOPMENT OF THE STUDENTS.

Organising Apex Body



Dr. Ramesh Dhalaria

**CHIEF PATRON
CUM
PRINCIPAL**



Sh. Ramesh Sharma

PATRON



Sh. Viveka Nand Sharma

CONVENER

**Dr. Sarvepalli Radhakrishnan
Govt. Degree College Dharampur, Mandi (H.P.) 175040-INDIA**

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Final Report on the International Conference

Dr. Sarvepalli Radhakrishnan Government Degree College, Dharampur (Mandi, H.P.) successfully hosted a two-day International Conference on "*The Role of Technology to Combat the Triad in Crises: Biodiversity Loss, Climate Change and a Sustainable Future*" on October 24–25, 2024, in hybrid mode. The conference was organized by the Internal Quality Assurance Cell (IQAC) and the Faculty of Sciences, under the leadership of Principal and Chief Patron Dr. Ramesh Chand Dhalaria. The Convener was Prof. Viveka Nand Sharma and the Organising Secretary was Prof. Abhishek Sharma.

A total of 259 participants, including academicians, researchers, and students, took part in this academic event aimed at addressing global environmental challenges through technological innovation. The Chief Guest on Day 1 was Dr. Shyam Singh Thakur, who inaugurated the event and emphasized the urgent need for interdisciplinary solutions to environmental crises.

Eminent keynote speakers included Dr. Vipul Sharma (USA), Dr. Tavinder (Japan), Dr. Husan Chand (Italy), Dr. Stilyana Avramova (Bulgaria), Dr. Rahul Gautam (Finland), and Dr. Sudript Sharma (USA). They presented cutting-edge insights on topics like climate-resilient agriculture, green chemistry, renewable energy, and environmental governance.

Participants presented papers and engaged in discussions across diverse themes promoting sustainable development and climate resilience. The conference concluded with a valedictory session on Day 2, presided over by Principal Dr. Ramesh Chand Dhalaria, who applauded the collaborative spirit and knowledge sharing that marked the event. The conference successfully provided a platform for innovative thinking and global academic exchange.



Principal

Dr. Sarvepalli Radhakrishnan Government
Degree College Dharampur, Mandi, H.P.

Dr. S. Radhakrishnan
G.D.C. Dharampur
Distt. Mandi (H.P.)

Principal
Govt. Degree College
Dharam Pur Distt. Ma
DDO Code No. 213





