# WEBINAR ON INTERNATIONAL DAY FOR BIOLOGICALDIVERSITY, 2021



## Introduction

The United Nations INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY is annually observed across the globe on 22nd may to create awareness of biodiversity issues and provide a better understanding of the importance of biodiversity as a global asset of high value to the future generation. The theme for the international day for biological diversity 2021 was "we are part of the solution". The slogan was chosen as a continuation of the momentum generated by the 2020 theme "our solutions are in nature".

School of Environment and Natural Resources, Doon University in association with Society for Science of Climate Change & Environmental Sustainability & Indian Society of Agroforestry celebrated the International Day for Biological Diversity on 22 May, 2021 by organizing a webinar that focuses attention on a particularly pressing biodiversity concern theme. **"WE'RE THE PART OF THE SOLUTION"** for encouraging the awareness and action for the protection of our biodiversity. It has been a symposium for raising awareness on emergingenvironmental issues to sustainable consumption and wildlife protection. The webinar was dedicated to noted environmentalist Padmvibhushan Sri Sunderlal Bahuguna Jee.

Prof. Kusum Arunachalam in her welcome address threw light on the reason and relevance of celebrating Biodiversity Day. She said that the United Nations proclaimed 22 May as International Day for Biological Diversity (IBD) to increase the understanding and awareness of biodiversity issues. Biodiversity day 2021 is being celebrated under the slogan: **"WE'RE THE PART OF THE SOLUTION #FORNATURE"** the slogan was chosen to be a continuation of the momentum generated last year unde **"OUR SOLUTION ARE IN NATURE"**, which served as a reminder that biodiversityr the overarching theme, remains the answer to several sustainable development changes. In her address Prof. Kusum Arunachalam highlighted how Uttarakhand can take a lead in harnessing the rich biodiversity to boost its economy which can be based on its rich wealth of natural resources and long history of conservation and community-based management of natural resources.

**Prof. Surekha Dangwal, Hon'ble vice Chancellor Doon University**, in her presidential address enunciated about the relatedness between the biodiversity and the pandemic. She said that the present covid crisis is not something new. Research in the past has shown, whenever there has been damage to the natural ecosystem, infectious diseases appear.

The link between the two is becoming better understood and appreciated. So much so that we are seeing the growth in an emerging discipline, planetary health, focusing on the connections among the wellbeing of humans, other living things and nature's ecosystem.

**Professor C.R Babu** in his keynote confer about Biodiversity parks as a model for urban environment sustainability and resilience. As they are a unique landscape of wilderness where ecology assemblages of native fishes occur it would provide recreational as well as aesthetic values to the urban environment.

**Prof. J.K Sharma** spoke about the role of butterflies in the ecosystem functioning. He said that the butterflies can be used to study the impact of habitat loss and they support the range of other predators as well as parasites, they act as a pollinator, acting as an important connector in a thriving ecosystem.

**Prof. S. Dayanand** divulged about the evolution and conservation of biodiversity in the forest and agriculture landscape. He mentioned about the new area of research emerging in the field of biodiversity. He said that the new techniques of agriculture and forestry are safer for biodiversity. **Prof R.P Singh** in his concluding remarks talked about the importance of biodiversity and how humans are important in its functioning. He said humans are the one who can protectbiodiversity and with proper knowledge, research and technologies the goal can be achieved.

**Dr A. Arunachalam, director ICAR, President, ISAF and secretary**, SSCE delivered a vote of thanks on the occasion. In addition to webinar, activities based on the theme of the day, Poster Making, Photography/Short Videos and Article writing for the students were organized to mark the celebration of International Day for Biological Diversity. About 200 participants from different educational institutions of the country participated and Prof. Kusum Arunachalam announced the result during the webinar.

Apart from the informative lectures by the eminent keynote, speakers there are several activities were organised by the Prakriti- the Nature's Club of Doon University, which are related to this year's theme "we are part of the solution". The events are as follows:

#### 1. Poster making competition

The theme for the poster making competition was "Biodiversity/ We are part of the solution". The winners for this category are as follows:

- 1st position is secured by Mayur Thapa (Doon University, Dehradun).
- 2nd position is secured by Anirban Biswas(Vivekanandan college, Kolkata).
- The 3rd position is secured by Rishika Nautiyal( Doon University, Dehradun).



#### 2. Photography contest:

The theme for the photography contest was "Biodiversity". The winners for this category are:

- 1st position Ms. Prekshaa KCT, Anna University, Coimbatore).
- 2nd position is shared by two students:
  - 1. Anikesh Sharma(Doon University, Dehradun).
  - 2. Aman Mahajan (Solan).
- The 3rd position is also shared by two students:
  - 1. Prabhat Bhandari(Doon University, Dehradun).
  - 2. Dharun Prasanth( KCT, Anna University, Coimbatore).

#### 3. Article writing:

The theme for article writing was "we are part of the solution". The winners for this category are :

- 1st position is secured by Rupali Nayal( Doon University, Dehradun).
- 2nd position is secured by Sonali Chettri( Aspirant).
- The 3rd position is secured by Uparna Chatterjee(Doon University).



The winners were awarded with the cash prizes sponsored by the Indian Society of Agroforestry, Jhansi.

- 1<sup>st</sup> Prize Rs 2500
- 2<sup>nd</sup> Prize Rs. 1500
- 3<sup>rd</sup> Prize Rs. 1000

### **Celebrating International Day for Biological Diversity**

By OUR STAFF REPORTER DEHRADUN, 22 May: School of Environment and Natural Resources, Doon University in association with Indian Society of Agro forestry, Jhansi and Society for Science of Climate Change & Sustainable Environment, New Delhi celebrated the International Day for Biological Diversity on 22nd May, 2021 by organizing a webinar that focused attention on a particularly pressing particularly pressing biodiversity concern theme."WE'RE THE PART OF THE SOLUTION", for encouraging awareness and action for the protection of our biodiversity. The webmar was dedicated to noted dedicated to noted Environmentalist. Padmvibhushan, Sri Sunderlal Bahuguna as a tribute for his lifelong efforts for the Biodiversity conservation and Environmental protection in the Himalayas. The webinar was chaired by Prof. Surekha Dangwal, Vice Chancellor, DoonUniversity. The event had

Prof. C. R. Babu, Emeritus Professor, Delhi University, Prof. J.K.Sharma, Shiv Nandan University, and Prof. S. Dayanand, Concordia University, Canada as the keynote speakers. Devel Kuman Amendealem in

Prof. Kusum Arunachalam in her welcome address threw light on the reason and relevance of celebrating Biodiversity Day. She said that the United Nations proclaimed 22 May as International Day for Biological Diversity (IBD) to increase the understanding and awareness of biodiversity issues. Biodiversity day 2021 is being celebrated under the slogan: "WERE THE PART OF THE SOLUTION #FOR NATURE" the slogan was chosen to be a continuation of the m generated last year under the overarching theme. **'OUR SOLUTION ARE IN** NATURE", which served as a reminder that biodiversity remains the answer to several sustainable development changes. In her address Prof. Kusum Arunachalam highlighted how Uttarakhand can take a lead in in harnessing the rich

biodiversity to boost its economy which can be based on its rich wealth of natural resources and long history of conservation and community-based management of natural resources.

Prof. Surekha Dangwal, Hon'ble vice Chancellor Doon University, in her presidential address said that since prehistory, literature and the arts have been drawn to portrayals of physical environment and humanenvironment interactions. The modern environmentalist movement as it emerged first in the late-nineteenth century and, in its more recent incarnation, in the 1960s, gave rise to a rich array of fictional and nonfictional writings concerned with humans' changing relationship to the natural world. She stressed on documenting the rich traditional knowledge associated with the biodiversity conservation in the region.

Professor C.R Babu in his keynote confers about Biodiversity parks as a model for urban environment sustainability and resilience. As they are unique landscape of wilderness where ecology assemblages of native species occur it would provide recreational as well as aesthetic values to the urban environment. He spoke from his experiences of Aravali and Yamuna Biodiversity Park in New Delhi which were developed under his supervision.

Prof. J.K Sharma spoke about the role of butterflies in the ecosystem functioning. He said that the butterflies can be used to study the impact of habitat loss and they support the range of other predators as well as parasites, they act as a pollinator, acting as important connector in a thriving ecosystem web.

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ICAR, President, ISAF and secretary, SSCE delivered vote of thanks on the occasion. He highlighted the importance of agroforestry in climate change mitigation and restoration of degraded lands, particularly in Himalayae. In addition to webiner.

In addition to webinar, activities based on the theme of the day, Poster Making, Photography/Short Videos and Article writing for the students was also organized by "Prakriti-The Nature Club", an initiative of Doon University students, to mark the celebration of International Day for Biological Diversity. About 200 participants from different educational institution of the country participated in the events and the prizes were sponsored by the ISAE

## अन्तर्राष्ट्रीय जैव विविधता दिवस आयोजित हुए राष्ट्रीय सेमिनार

इसंसी। पर्यावरण पूर्व प्राकृतिक संसाधन यहू ने कैंव विविधता के मुर्गु को समग्र और जगरकतता विद्यालय, दून विश्वविद्यालय, देहरादून एवं बढ़ने के लिए 22 मई को अन्तर्राष्ट्रीय जैव विविधता भा.स.्.अ.प.-केन्द्रीय बुषिवानिकी अनुदर्भागन दिवस के रूप में पोर्षित किया, जैव विविधता दियम संस्थान, इसीती ने संयुक्त रूप से पारतीय 2021 को 'एम प्रकृति के लिए प्रायाण का लिस है' कुषिव्यानेकी समिति, इसि एवं सोसायटी घर साइंस चारे के तात मवचा जा छा है। ये सुरोत कंप्रावाल ऑफ क्लाइमेट चैंज एण्ड सस्टेनेबिल एनवायरनमेन्ट, नई दिल्ली के सहयोग से अन्तराष्ट्रीय राजावरागमर, नहारका वा खलात देनीक 22 मई, जैव विविधता दिवस का आयोजन दिनौक 22 मई, 2021 को ''हम समाधान का हिस्सा है'' विषय पर जैव विविधता के संरक्षण के लिए जागरूकता एवं

References a o 💿 o revenue, stador.

नारे के तहत मनाया जा रहा है। प्रो. सुरेखा डंगवाल, कुलपति दून विश्वविद्यालय ने अपने अध्यक्षीय भाषण में रेखांकित किया कि प्रागितिहास, साहित्य एवं कला भौतिक प्रवासका प्रभाग अग्रेस अग्रेसिक स्वातंत्रीय के चित्रण के बतावारण कीर मानव-पर्यावरण बातचीत के चित्रण के लिए तैयार किए गए हैं। आधुनिक पर्यावरणवादी आन्द्रोलन के रूप में उन्नीसवीं सदी के उत्तरार्थ में पहली

अन्तर्राष्ट्रीय जैव विविधता दिवस पर बेबीनार का आयोजन झांसी। राती लक्ष्मी बार्ड केन्द्रीय कृषि विश्वविद्यालय के धानिकी एवं यानिकी महाविद्यालय में कुलपति यो. अर्यवन्द कुमार

उधानिको एवं जान्तिमे महाविपालय में सुरुपाते प्रों, अरावेश्वन, भुमां को अप्रवास में अन्तार्थ्रिय जैव विविधत के उनास्तम में सेवेशना का आयोजन किया गया जिसका विधवां स्वास्त्रा कोत समृद्धि के लिए प्रमुद्धी का पोषण' रहा। कार्यक्रम को अप्रवास करते हुए के लिए प्रमुद्धी का प्रोधान' स्वारं कार्यक्रम को अप्रवास करते हुए के लोई पुर साधा कि पहले किसन कार्य कि विधिन ससलों को अपनी कृषि में स्वान द के ये तहीं बाजा किसना संकर्षफ्रक या दो किसमें पर ही निर्भर साने देखान के तिनामा 30 से आया किसमें उगाई नाती थी जो आज पटकर माज दे यो नहींन रह पह हो। एक ही किसन की देखार से न केवल मिद्दी की उदयंता कस हो जाती, बार्वक्र मानुष्य के होरी में में प्रेष्ठ तक सी कार्य को वाली कै लोग हिए जिसन में साम का पीषण प्रदाक अलग-अलग होता ही की विधिना

रह पह है। एक हा किस्स को देववार से न केवल पिट्टो की उत्पत्ती कम है जीती है, बाल्क भाषुण के उत्पत्त के भाषे पोषक तल की कमी हो जाती है, बर्गांक हर किस्म की पस्स का पोषण प्रदेक अला-अलग होती ही बिंग विभिन्न को रोपीत कर के लिए बुंदरावारण हे बने देव में न के जल अधिक से अधिक मुच्चपेरण करना है, बल्कि पुंच की वो प्रजादियाँ जो आज विद्युता होने के कागर पर है जो से महुआ, चिरोजों, कुमुस पेसे न्यूये के संख्या पर जोर देना है। बह सी जनसंख्या का प्रवृतिक संसाधन पर बहुत अधिक करप्रभाव पह रहा है जिससे की तर्ने पर देवान कह पाता है और तिसास की हराव परिस्तिकी तत्र वापड़ा राज जो कि जीव विविधता के लिनाव का कारण जनाता जा रहा है। कार्यका का प्रवृतिक संसाधन पर बहुत अधिक करप्रभाव पह रहा है जिससे की तर्ने पर देवान कह पाता है और तिसास की हराव परिस्तिकी तत्र वापड़ा राज जो कि जीव विविधता के लिनाव का कारण जनाता जा रहा है। कार्यकार का सुधातम प्रविधात्मन के अधिहता डा. ए के पाउडेव के स्वागत सम्मोभन से हुआ कार्यकार रत्व हो नागरेने सा युवापन नागरेगरान के आवाधा कर 20 स्वापन के आवान के प्रियंता प्रभावान के प्राण्य करने के विदेश के विदेशिक अतिक या या विद्युत्त पित प्राण्य विद्याप्राण्य से विद्युत पर पर विद्युति प्राण्य क्षात्र के स्वापन क रहे। वार्यक्रम केतकनीक सत्र के नहा डा. अवस राक्षुर, वैद्यानिक एवं विभावाय्यक्ष का अन् संधान कोन्द्र देहरादुन् डा. एत. सानाबु, सह प्रयाध्यक्ष, केन्द्रीय कृषि विश्वविद्यालय इम्प्रकृत एम. जे. डोवरीयाल विभावाय्यक वानिकी एवं बा. युमनाम विजीलक्ष्मी देवी, बा. गरिमा गुप्ता . बा.तनुज एवं बा. शैलेन्द उपस्थित रहे।

न्युड्रायुरिकल्स जैसे जैव विशिष्धा के धुंव में उभरने पर कुसुस अरुजापलम ने अन्त में इस अस्यर पर आयोतित अनुसंधान के लिए नये धेव पर अपने विष्यार प्रस्तुत किया उन्होंने कहा कि बन-क्यों इंटापेस को समझान छस केले छह में साबन वीधिक के लिए की विशिष्धा थे पुरस्तार वितेवाओं की अयोजकों छा प्रभाषण पर और भोजून, पौ्षण और अन्य भयांवरण सेवाओं को जांगे रखने के लिए आवश्यक इकोटोन स्तर का शोध है। प्रो. किये गये। .....

विजीलक्ष्मी देवी, डॉ. गरिमा गुप्ता,

डॉ.तन्जडॉ. शैलेंद्र मौजूद रहे। ब्यूरो

जैव विविधता से जुड़े पारंपरिक ज्ञान को धरातल पर उतारा ज महाविद्यालय में कलपति प्रो. अरविंद कुसुम अरूणाचलम ने जैव विविधता झांसी। अंतरराष्ट्रीय जैव विविधता कुमार की अध्यक्षता में वेबिनार का दिवस के मौके पर पर्यावरण एवं दिवस मनाने के कारण और प्रासंगिकता आयोजन किया गया। जिसमें स्वास्थ्य पर प्रकाश डाला। विवि की कुलपति प्रो. प्राकृतिक संसाधन विद्यालय, दुन विवि और समृद्धि के लिए प्रकृति का पोषण सरेखा डंगवाल ने जैव विविधता संरक्षण देहरादुन और केंद्रीय कृषि वानिकी से जुड़े समृद्ध पारंपरिक ज्ञान को धरातल विषय पर चर्चा की गई। कुलपति ने अनसंधान संस्थान झांसी द्वारा हम पर उतारने पर जोर दिया। कृषि वानिकी घटती हुई जैव विविधता पर चिंता जताई। समाधान का हिस्सा है विषय पर जैव इस मौके पर महाविद्यालय के अधिष्ठाता विविधता के संरक्षण के लिए वेबिनार का अनुसंधान संस्थान के निदेशक डॉ. ए अरूणाचलम ने देश में जलवायु डॉ. एके पांडेय, डॉ. वीर सिंह, पूर्व आयोजन किया गया। इस मौके पर परिवर्तन शमन और खराब भूमि की विभागाध्यक्ष, डॉ. अजय ठाक्र, डॉ. एल गांधीवादी और पर्यावरणवादी, पदुम वान्गच्, एमजे डोबरियाल डा. युमनाम बहाली में पेडों की भूमिका पर प्रकाश. विभूषण सुंदरलाल बहुगुणा को

डाला। उधर, रानी लक्ष्मीबाई केंद्रीय कृषि

विश्वविद्यालय के उद्यानिकी एवं वानिकी

श्रद्धांजलि दी गई।

इस मौके पर दून विवि की प्रोफेसर