# 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:

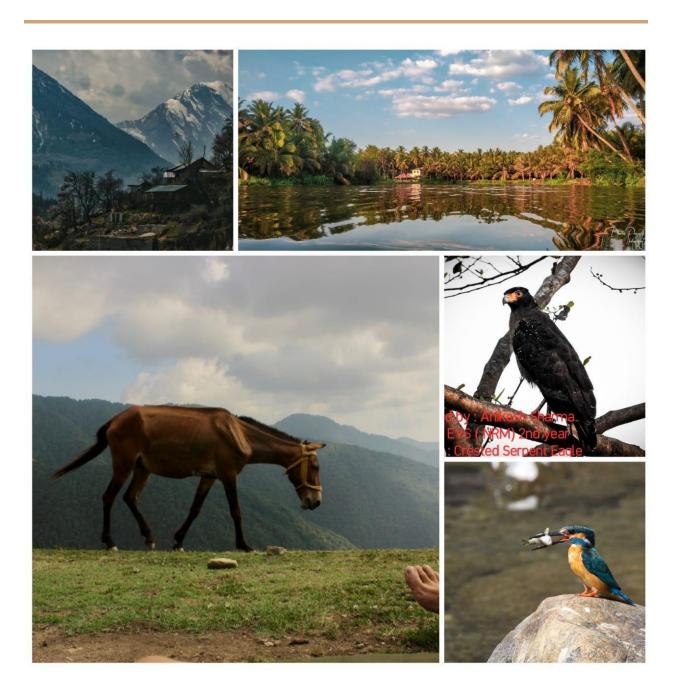
The theme for the photography contest was "Biodiversity". The winners for this category are:

- 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 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 webinar 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.

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 sustainable development changes. In her address Prof. Kusum Arunachalam highlighted how Uttarakhand can take a lead in in harnessing the rich

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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
environments and humanenvironments 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 readon.

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.

Prof. S. Dayanand divulge 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 saver to the biodiversity and food security for the growing human possibation.

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how humans are important in its functioning. He said humans are the one who can protect the biodiversity and with proper knowledge, research and technologies the goal can be achieved.

Dr A. Arunachalam director ICAR, President, ISAF and sceretary, 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 Himalayas.

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 एवं प्रावृत्तिक संसाधन पहुँ नै तीव विवेधता के मुद्दों को समग्र और जागरूकता विद्यालय, दून विश्वविद्यालय, देहरादून एवं बढ़ाने के लिए 22 महं को अनतर्राष्ट्रीय जीव विविधता भा.कु.अप.-केन्द्रीय कृषिवानिकी अनुसंधान दिवस के रूप में पोषिप किया। जेव विविधता दिवस संस्थान, इसी में संयुक्त रूप से पातीय 2021 को 'एक पृश्वित विलय पाताय का दिवस हैं' कृषिवानिकी समिति, झाँसी एवं सोसायटी फर साइंस यो के ताल मजाया जा रहा है। प्रो. मुरेखा कंग्वाल, ऑफ क्लाइमेट चैंज एण्ड सस्टेनेबिल एनवायरनमेन्ट, नई दिली के सहयोग से अन्तर्राष्ट्रीय जैव विविधता दिवस का आयोजन दिनौंक 22 मई, 2021 को ''हम समाधान का हिस्सा हैं' विषय पर जैव विविधता के संरक्षण के लिए आगरूकता एवं

SCHOOL OF OR PERSON, SAILY,

नारे के तहत मनाया जा रहा है। प्रो. सुरेखा डंगवाल, कुलपति दून विश्वविद्यालय ने अपने अध्यक्षीय भाषण में रेखाँकित किया कि प्रागितिहास, साहित्य एवं कला भौतिक बतावरण और मानव-पर्यावरण बातचीत के चित्रण के लिए तैयार किए गए हैं। आधुनिक पर्यावरणवादी आन्दीलन के रूप में उन्नीसवीं सदी के उत्तरार्थ में पहली

अन्तर्राष्ट्रीय जैव विविधता दिवस पर बेबीनार का आयोजन

उध्योगके एवं चानिको मार्चाच्यालय में मुहत्योग हो। अर्थान्य मुमार को अप्यक्षात्र में अन्तर्राष्ट्रीय जैन विविश्वत के उपाल्यक में अंबितन का अप्योगन किया गया जिसका विधाय क्यांक्य और समृद्धि के लिए प्रकृति का पोषण' रहा कार्यक्रम को अप्यक्षात्र करते हुए . क ल्पित प्रे. अर्थान्य कुमार ने पटती हुई के विविश्वता पर वित्ता जते हुए बताया कि पहले किसमा को उपाय कियां में अप्योग कियां में स्थान दे थे वार्ष काण किया कियां के अपनी कृषि में स्थान दे ते थे वार्ष काण कियाना सिर्फाएक या दो कियां पर ही निर्मर रहने लगे हैं। उनकी उद्यालण होते हुए उनकेने कहा कि दो दशक पहले पंजाब में मेंहू की लगभग 30 से ज्याद कियों ज्याई जाती थी जो आज घटकर मात्र दो या तीन रह पूर्व है। एक ही किसमा की दिश्वास से न केवल मिट्टी की उद्योग कम हो जाती है, बल्कि मनुत्त के जार्य में



रह पह है। एक हा किस्स को पटवास से न करना महिटों को ठवना कैन है जीती है, बाल्क भट्टें ने उत्तर है ने अपने के स्वे जीता है, बाल्क भट्टेंट ने किस की प्रकार कर की किस है जाता है। किस की प्रकार के संपीता कर संपीता कर संपीता करने के स्वे न के जाता जो किस है जी से महरू किस से अधिक वृद्धारोध्या करना है, बाल्क रूथ की वो प्रवासीयों को अबत विद्या होने के कामर पर है जो से महरू किस है की से सुप्त पूर्व के संस्था पर जोर देना के बहु हों। जनसंख्या का प्रकार की किस संस्था पर जोर देना के बहु हों। जनसंख्या का प्रकार की किस संस्था पर वाह तो की की विवास को विचास को ने वाह पर वाह की स्वास अधिक संस्था पर जोर देना पर वाह है की से स्वास अधिक संस्था पर जोर देना पर वाह की की वाह की स्वास की हमारा परिवास की कामरा वाह की की स्वास की रहा है। जानवेन का नुसारण निवस्तारण का जानेहता के एक वह निर्देश के किया है। के विशिष्ट अतिकेंद्र के बात है। रहे। कार्यक्रम केतकनीक सत्र के बता डा. अजब टाकूर, बैडानिक एवं विशायाध्यक्ष वन अन् संधान केन्द्र, देहायुद्द डा. एस. सानाबु, सह प्रसाधपक, केन्द्रीय कृषि विश्वविद्यालय स्थान, एस. जे. डोकरियाल विशायाध्यक्ष वानिकी एवं हा. युमनाम विजीलक्ष्मी देवी, हा. गरिमा गुप्ता . हा.तनुज एवं हा. शैलेन्द उपस्थित रहे।

रखने के लिए आवश्यक इकोटोन स्तर का शोध है। प्रो. किये गये।

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न्दुहास्पृतिकस्स जैसे जैस विविध्यत्त के क्षेत्र में उभरने पर स्मूसन अरुणावस्ता ने अन्त में इस अस्यस्य पर आयोजित अनुस्थान के लिए तथे क्षेत्र पर अपने विश्वार प्रस्तुत विधित्त क्षत्र गतिविधायों के पुरस्कार विजेताओं की क्षियों उनती कक्ष कि सन-सम्में ईटएनेस को समझन इस घोषणा भी और प्रतिपाणी कारणावस्त्री की स्मातना भी नेते क्षार्म में मानविध्यत्तिक के स्मातन के विविध्यत्त के सुरस्कार विजेताओं के अध्योजके द्वित प्राण्या पत्र और भोजन, पीक्षण और अस्य पर्यावस्थ संसाओं को आयो

# जैव विविधता से जुड़े पारंपरिक ज्ञान को धरातल पर उतारा ज

झांसी। अंतरराष्ट्रीय जैव विविधता दिवस के मौके पर पर्यावरण एवं प्राकृतिक संसाधन विद्यालय, दून विवि देहरादुन और केंद्रीय कृषि वानिकी अनसंधान संस्थान झांसी द्वारा हम समाधान का हिस्सा हैं विषय पर जैव विविधता के संरक्षण के लिए वेबिनार का आयोजन किया गया। इस मौके पर गांधीवादी और पर्यावरणवादी, पद्म विभूषण सुंदरलाल बहुगुणा श्रद्धांजिल दी गई।

इस मौके पर दून विवि की प्रोफेसर

क्स्म अरूणाचलम ने जैव विविधता दिवस मनाने के कारण और प्रासंगिकता पर प्रकाश डाला। विवि की कुलपति प्रो. सरेखा डंगवाल ने जैव विविधता संरक्षण से जुड़े समृद्ध पारंपरिक ज्ञान को धरातल पर उतारने पर जोर दिया। कृषि वानिकी अनुसंधान संस्थान के निदेशक डॉ. ए अरूणाचलम ने देश में जलवाय परिवर्तन शमन और खराब भूमि की बहाली में पेड़ों की भूमिका पर प्रकाश डाला। उधर, रानी लक्ष्मीबाई केंद्रीय कृषि विश्वविद्यालय के उद्यानिकी एवं वानिकी

महाविद्यालय में कलपति प्रो. अरविंद कुमार की अध्यक्षता में वेबिनार का आयोजन किया गया। जिसमें स्वास्थ्य और समृद्धि के लिए प्रकृति का पोषण विषय पर चर्चा की गई। कुलपति ने घटती हुई जैव विविधता पर चिंता जताई। इस मौके पर महाविद्यालय के अधिष्ठाता डॉ. एके पांडेय, डॉ. वीर सिंह, पूर्व विभागाध्यक्ष, डॉ. अजय ठाक्र, डॉ. एल वानाच्, एमजे डोबरियाल डा. युमनाम विजीलक्ष्मी देवी, डॉ. गरिमा गुप्ता, डॉ.तन्जडॉ. शैलेंद्र मौजूद रहे। ब्यूरो