

SCHOOL OF LIFE SCIENCES
DEPARTMENT OF PLANT SCIENCE

EXTENSION ACTIVITIES REPORT
(YEAR 2020)

Unnat Bharat Abhiyan

The Mission of **Unnat Bharat Abhiyan** is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. Under this, our department has got a project entitled ‘Opportunities of Livelihood to Check the Migration from Hills in Himachal Pradesh’ from NITI Aayog. The aim of the project to survey the different areas of the HP to document the socio-economical data and to check the reasons behind the migration from the hills. This project will also be helpful for identifying the challenges prevailing there so that policies for minimizing the same can be prepared and implemented.



Public Awareness programs

The faculty members of Department of Plant Science are actively involved in carrying out various public/farmers awareness events through a number of invited lectures and TV talks. During the year 2020-2021, the departmental faculty delivered lectures, organized webinars and conducted field tour on different occasions and locations.

- Organized Online International webinar on “**Innovation in crop improvement under changing climatic conditions**” at Central University of Himachal Pradesh on 28-05-2020 to aware the people about the various approaches to be used for crop improvement.

International Webinar
“Innovation in Crop Improvement Under Changing Climatic Conditions”
SCHOOL OF LIFE SCIENCES
CENTRAL UNIVERSITY OF HIMACHAL PRADESH

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| <p>Patron - Prof. Kuldip Chand Agnihotri (Hon. Vice Chancellor)</p> <p>Executive Committee : Dr. Sunil Kumar (Head of the Department, Department of Animal Sciences) : Dr. Mahesh Kulharia (Director, Centre for Computational Biology and Bioinformatics)</p> <p>Organizing Committee Convener - Prof. Pardeep Kumar (Dean, School of Life Sciences) Co-convener - Dr. Divya V. Nair</p> <p>Members : Dr. Rishi Thakur : Dr. Munish Sharma : Dr. Ashun Chaudhary : Dr. Shallender Kumar Verma : Dr. Vikram Singh : Dr. Ranjith Kumar : Dr. Rakesh Kumar : Dr. Tarkeshwar</p> | <p>Session I - 28/05/2020, 2pm - 3pm Prof. Moinabot Siddique (Hackett Professor of Agriculture Chair and Director, University of Western Australia, Australia)</p> <p>Topic - “Innovations in adaptation to climate change in dry land agriculture”</p> <p>Session II - 28/05/2020, 3pm - 4pm Dr. Salej Sood (Scientist Sr. Scale, ICAR Potato Research Institute, Shimla)</p> <p>Topic - “Genomic Selection and Prediction”</p> <p>Session III - 28/05/2020, 4pm - 5pm Prof. Hong Zhang (Department of Biological Sciences, Texas Tech University, USA)</p> <p>Topic - “More Plants More Options for Improving Crops”</p> |
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For Registration Click the link - https://docs.google.com/forms/d/1WNTxUwF1G1zXW0B3emPhKzi-W0Dvobv0dFCh_fmW/edit
Contact :- Dr.Divya V.Nair (divyanair@cuhp.ac.in)

- Plant diversity is currently face the threat of extinction due to a variety of devastating activities, including, over-harvesting and over exploitation, destructive agricultural and forestry practices, urbanization, environmental pollution, land-use changes, exotic invasive species, global climate change, and more. Therefore there is need to explore the various approaches for the conservation of the plant biodiversity. Botanical gardens are one of an important resource for studying and conservation of these plants, as well as making the world's plant species diversity known to the public.

In order to establish the Botanical Garden at CUHP, an expert committee from Department of Plant Science and University visited the Jadrangal area of Dharamshala on 20-07-2020 (Site of University Establishment) and took stock of the situation there.



Expert Committee for establishing Botanical garden at Jadrangal, Dharmashala

- TV Talk on DD Kisan 'Sabjion mein grafting technique' by Prof. Pardeep Kumar, Head, Department of Plant Science on 16-11-2020 organized by DD Kisan-New Delhi to make aware the farmers/vegetable growers about the different techniques used for increasing vegetable production.



- Invited talk on the topic entitled ‘**Contract Farming**’ by Prof. Pardeep Kumar on 16-12-2020 organized by Agrivision Himachal Pradesh



- Visit of Dr. J.L.N Sastry, Chief Executive Officer, National Medicinal Plants Board, to the Botanical Garden on 04-11-2020 and interaction with the Faculty of Department of Plant Science. He stressed on the collection of some more rare and endangered medicinal plants from Himalayan region.



Educational Tour of M.Sc (Botany) students to Rajasthan

The classroom teaching explained the students to learn in theoretical/hypothetical manner whereas the educational tours are quite useful and knowledgeable for the students. The excursion helps student for making real world connections. The tour led the students closer to the nature and could learn a lot through the practical experience. The study tour is an experiential learning for all the students to know about many rare species of plants and wild life.

The Department of Plant Science (Botany) had organized five days tour in the month of March, 2020 for M.Sc (Botany) Semester 2nd and 4th students to Maharana Pratap University of Agriculture & Technology, Udaipur, Sajjangarh Wildlife Sanctuary and Mount Abu Wildlife Sanctuary, Rajasthan. This tour was intended to create awareness amongst students regarding rich biodiversity of Sajjangarh and Mount Abu Sanctuary situated on a plateau, Mount Abu Sanctuary is one of India oldest mountain ranges

of India, the Aravalli range. The place is rich in orchids, bryophytes and algae. The south- west part of the sanctuary is rich in bamboo forests.

Students also visited the different Research laboratories of Department of Botany, Maharana Pratap University of Agriculture & Technology, Udaipur. During this visit students collected distinct species of certain important plants and took photographs of various terrestrial plants. The group of ~60 students accompanied by faculty members - Dr. Divya V. Nair and Dr. Munish Sharma and Staff member- Mr. Mohit.

Evidence of Success can be determined from the pictures clicked during the tour



- Team of Department of Plant Science had visited the apple fields situated at Durgiala, Kangra on 12-06-2020. The Faculty members interacted with the apple growers and tried to understand the problem being faced by the farmers during the apple cultivation in the Kangra area.



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- **Plantation drive by the Department around the CUHP campus**



- **Organized a Guest Lecture on Mushroom Cultivation a prospective entrepreneurship by Vaidya Sushen Club, Department of Plant Science, Central University of Himachal Pradesh (15-11-2021)**



- **Under Green Campus initiative, the students of Department of Plant Science have prepared beautiful Bottle gardens consist of important ornamental plants having human values**



➤ Exploration of medicinal orchids in the nearby area of the Shahpur on 05-02-2021



The Department of Plant Science has been equally engaged in its public outreach activities wherein the faculty members served as resource personnel for the executed the various programmes. The outreach efforts for understanding the plant diversity and their ethnobotanical information around the University campus with the support of local residents who were well familiar with these plants have been already initiated. The different areas around the campus were visited by the students of M.Sc. Botany.

➤ **Exposure Visit of RD students to Hydroponic facility developed at CSK-HPKVV, Palampur**

One day exposure visit of RD students of Department of Plant Science to the Himachal Pradesh Agricultural University, Palampur has been organized. The scholars were introduced to the process of Hydroponic facility (a form of precision agriculture in which crops are grown in vertical stacks of plant beds without use of soil) developed at the Campus and its role for growing vegetables and other crops.



➤ **Organized a One day Exposure Visit to Regional-cum-Facilitation Centre (RCFC) at RIISM, National Medicinal Plant Board, Joginder Nagar, Himachal Pradesh by Vaidya Sushen Club, Department of Plant Sciences, Central University of Himachal Pradesh (04-12-2021)**



- **Visit of M.Sc Plant Science, 4th Semester Students to nearby villages regularly to explore the plant vegetation and discussion with the locals under Community development course (PLS 508)**



- **One day field trip of M.Sc Plant Science, 4th Semester Students to Triund Dharamshala for exploring the medicinal vegetation/plant diversity growing there and understanding the effect of environmental factors on their growth.**



EXTENSION ACTIVITIES REPORT
(YEAR 2022)



Vaidya Sushen Club, Department of Plant Science and Himalayan Life Science Society, Central University of Himachal Pradesh organized a Lecture on Native Wild Ornementals of Himalayas (07-03-2022)



Himalayan Life Science Society and Vaidya Sushen Club, Department of Plant Science, Central University of Himachal Pradesh organized a Guest Lecture on Diversity of Wild Edible Tubers (09-03-2022)



Vaidya Sushen Club, Department of Plant Science and Himalayan Life Science Society, Central University of Himachal Pradesh organized a Guest Lecture on Hybrid Seed production of Vegetable crops (10-03-2022)



Himalayan Life Science Society and Vaidya Sushen Club, Department of Plant Science, Central University of Himachal Pradesh organized a Guest Lecture on Plant Disease Management (14-06-2022)

➤ Department of Plant Science, Central University of Himachal Pradesh witnessed its 1st Alumni Meet (11-04-2022)



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
(Established under Central Universities Act 2009)

DEPARTMENT OF PLANT SCIENCES
Alumni Cell

Cordially invite you to the
1st Alumni Meet (Virtual) - 2022
Let's Get-Together

RECONNECT /
REMINISCE / RELISH
Old Times and talk about
future.....
MARK YOUR CALENDAR AND SPREAD THE
WORD AROUND

Date: 11 April 2022
Time: 06:30 pm

Google Meet Link: meet.google.com/tmu-knu-wgs

Caringly yours with fond affection
Prof. Pardeep Kumar
Head, Department of Plant Sciences
Dean, School of Life Sciences

ALUMNI CELL, DEPARTMENT OF PLANT SCIENCES

