

Mehr Chand Mahajan
DAV College for Women
Sector-36A, Chandigarh (U.T.)
www.mcmdavcwchd.edu.in



Report of
Green Good Deeds

(01 to 31 July, 2021)

Organized by MCM Eco-Club

To celebrate

‘BHARAT KA AMRUT MAHOTSAV’

The 75th Anniversary of India's Independence

Dr. Neetu & Dr. Sarabjeet Kaur
Coordinators

Dr. Nisha Bhargava
Convener & Principal

1. VAN MAHOTSAV CELEBRATION

Activity coordinators: Dr. Pallvi Rani & Dr. Purnima Bhandari

Date: 01 July, 2021

Number of participants: 15 NSS Volunteers

Objective:

- To engage and inspire students and staff of the college as well as residents of Village Badheri to plant saplings of native fruit varieties, air purifying plants as well as medicinal plants at their houses or at community spaces.

Context: Van Mahotsav is an annual tree planting festival in India, celebrated in the first week of July. This festival is organized to encourage the people to support tree plantation. To mark the celebration, NSS Units of Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of MCM Eco-Club celebrated Van Mahotsav by planting fruit bearing, medicinal and air purifying plants.

Practice: The event kick started with the plantation drive that was organized by the NSS Units in collaboration with Horticulture and Landscaping Committee of the College and State Bank of India. During the event, Principal Dr Nisha Bhargava along with NSS Programme Officers- Dr Pallvi Rani and Dr Purnima Bhandari, Coordinator of Horticulture Committee- Dr Pooja Sharma, Coordinator of Landscaping Committee- Dr Seema Kanwar, Ms Manpreet Kaur (Manager) and Ms. Vibha from State Bank of India, Sector 36-A, Chandigarh planted saplings of air purifying plants such as *Ficus*, medicinal plants such as Ashwagandha, and fruit bearing trees such as lemon in New Building Area of the College.

Besides, NSS Volunteers along with NSS Programme Officers Dr Pallvi Rani and Dr Purnima Bhandari planted saplings of fruit bearing trees like lemon, kathal, Anar, Amrud, Jamun, Mausami and air purifying plants such as *Ficus* procured from Department of Forest & Wildlife, UT Administration, Chandigarh in the premises of Government Model High School and Anganwadi Multiple Complex, Sector 41-D, Village Badheri, Chandigarh (U.T.). The event was graced by the presence of Mr Hardeep Singh Butrela - Counsellor, Mrs Sanjogita- Headmistress, Govt. Model High School, and Mrs. Parvinder Kaur, Area supervisor, Anganwadi Multiple Complex, Sector 41-D, Village Badheri, Chandigarh.

Evidence of Success: Volunteers learned about benefits of various plants and promised to take care of saplings that were planted.





एमसीएम ने पौधारोपण कर मनाया वन महोत्सव



चंडीगढ़। वन महोत्सव के उत्सव को चिह्नित करने के लिए, मेहर चंद महाजन डीएवी कॉलेज फॉर वूमेन की एनएसएस इकाइयों, बागवानी और भूनिर्माण समिति और इको क्लब ने भारतीय स्टेट बैंक के सहयोग से परिसर में वृक्षारोपण अभियान चलाया। इस ड्राइव का मुख्य उद्देश्य छात्रों और कर्मचारियों को अपने घरों या सामुदायिक स्थानों पर देशी फलों की किस्मों, वायु शुद्ध करने वाले पौधों के साथ-साथ औषधीय पौधे लगाकर पर्यावरण संरक्षण में योगदान करने के लिए प्रेरित करना था। प्रिंसिपल डॉ. निशा भार्गव ने स्टाफ, एनएसएस स्वयंसेवकों और भारतीय स्टेट बैंक के कर्मचारी सुश्री मनप्रीत कौर और सुश्री विभा के साथ परिसर में फलदार, औषधीय और वायु शुद्ध करने वाले पौधे लगाए। इस अवसर पर अपने विचार व्यक्त करते हुए, डॉ. निशा भार्गव ने बताया कि भविष्य की पीढ़ियों को एक स्वच्छ और हरा-भरा वातावरण देने के लिए अधिक से अधिक पेड़ लगाने की आवश्यकता के संदेश को फैलाने के लिए, कॉलेज ने यह पहल की है। हरदीप सिंह बुटरेला, पार्षद, श्रीमती संजोगिता, प्रधानाध्यापिका, शासकीय मॉडल हाई स्कूल और आंगनवाड़ी मल्टीपल कॉम्प्लेक्स, बधेरी की श्रीमती परविंदर कौर, एरिया सुपरवाइजर, इस वृक्षारोपण अभियान में उपस्थित रहे।



Friday, 2 July 2021

MCM Celebrates Van Mahotsav with Plantation Drives



By 121 News

Chandigarh July 02, 2021:- To mark the celebration of Van Mahotsav, the NSS units, Horticulture and Landscaping Committee and Eco Club of Mehr Chand Mahajan DAV College for Women, in collaboration with State Bank of India, undertook a plantation drive at the campus. The main aim of the drive was to inspire students and staff to contribute towards environmental conservation by planting saplings of native fruit varieties, air purifying plants as well as medicinal plants at their houses or at community spaces. Principal Dr. Nisha Bhargava along with staff, NSS volunteers and SBI officials Ms Manpreet Kaur and Ms Vibha planted fruit bearing, medicinal and air purifying plants at the campus. Speaking on the occasion, Dr. Nisha Bhargava informed that with a vision to spread the message of the need to plant more trees for gifting the future generations a cleaner and greener environment, MCM has undertaken this initiative. Asserting that global warming, climate change, extinction of species, etc. are the result of indiscriminate exploitation of natural resources by human beings, she said that the onus of reversing the damage done so far is on us. She added that even seemingly insignificant individuals acts like planting trees, following sustainable practices can contribute to making our planet cleaner and greener. The NSS volunteers, along with NSS Programme Officers Dr. Pallvi Rani and Dr. Purnima Bhandari, also visited adopted village Badheri wherein they planted saplings of fruit bearing trees like lemon, katha, anar, amrud, jamun, mausami and air purifying plants such as ficus in the premises of Government Model High School and Anganwadi Multiple Complex. The plantation drive at Badheri was graced by the presence of Hardeep Singh Butrela, Councillor, Mrs Sanjogita, Headmistress, Government Model High School and Mrs. Parvinder Kaur, Area Supervisor, Aanganwadi Multiple Complex, Badheri.

2. CLEANING OF ROOFTOP SOLAR PANELS FOR THEIR BETTER EFFECIENCY

Activity coordinators: Dr. Neetu & Dr. Sarabjeet Kaur

Date: 12 July, 2021

Number of participants: 05

Objective:

- To increase the efficiency of rooftop solar panels.

Context: The solar panels are often exposed to dust and bird droppings. Building up of dirt and grime on the surface of the panel reduces the performance of the photovoltaic system, which works best when there are no obstructions between the UV rays and the glass panel.

Practice: Regular cleaning is an important part of solar panel maintenance in the college campus. MCM Eco-Club in collaboration with Renewable energy committee supervises the task of cleaning of rooftop solar panels on regular basis so as to maintain their efficiency. Cleaning is preferably done in early morning hours. It starts by brushing off any loose material, like leaves, that may have collected on the surface of PV solar installation. The grime is taken off using a garden hose, avoiding the use of high-pressure water sprayer, as the force can cause damage to PV solar panels. A long-handled wiper wrapped with a soft cloth is used for the hard-to-reach corners of solar units.

Evidence of success: Regular cleaning ensures that solar unit runs at maximum efficiency and give best performance.



3. AN ONLINE HANDS-ON WORKSHOP ON “PAPER RECYCLING, PAPER PENCIL MAKING AND SEED BALLS MAKING” TO MARK THE CELEBRATION OF ANNUAL FESTIVAL VAN MAHOTSAV

Activity coordinators: Dr. Vibha Sharma & Dr. Bindu Sharma

Date: 17 July, 2021

Resource person: Dr. Shafila

Number of participants: 23

Objectives:

- To promote increased paper recovery and reuse by raising awareness about the importance of recycling
- To create awareness about the significance of plantation for a clean, green and healthy environment.

Context: Recycled paper produces 73% less air pollution than if it was made from raw materials. Recycling 1 ton of paper saves 17 fully grown trees, 60 pounds of air pollutants, 7000 gallons of water. So, paper recycling is important for environment conservation. It is not difficult to recycle paper, and the positive effects of recycling on the environment far outweigh the small effort needed to implement it. Also, the concept of seed balls is quite popular these days, especially for those areas which are not easily accessible.

Practice: Department of Environment Science under the aegis of Internal Quality Assurance Cell (IQAC) organized an online workshop on “Paper recycling, paper pencil making and seed balls making”. The workshop was open for the learners of all age groups. As many as 23 participants (aged 5 to 57 years) benefited from the workshop. Dr. Shafila demonstrated step-wise procedure of handmade paper making from waste papers, which could be used for various purposes like as a canvas for painting, making bookmarks, decorative envelopes etc. She also explained the steps for making paper pencils using the material normally available at home. Additionally, the concept of seeds ball making was introduced among the participants. Throughout the workshop, she highlighted the importance of 3 Rs for environment conservation.

Evidence of Success: Participants enthusiastically learnt the process of paper recycling, paper pencil making and seed balls making and shared the pictures of items made by them.



MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN CHANDIGARH

Workshop on Paper Recycling, Paper Pencil Making and Seed Balls Making



Dr. Nisha Bhargava
Principal



Dr. Shafila, Department of
Environment Science



एमसीएम में पेपर रीसाइक्लिंग पर ऑनलाइन कार्यशाला



चंडीगढ़ (अप्रस)। मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन में पर्यावरण विज्ञान विभाग ने आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ के तत्वावधान में वार्षिक वन महोत्सव के उपलक्ष्य में 'पेपर रीसाइक्लिंग, पेपर पेंसिल मेकिंग एंड सीड बॉल्स मेकिंग' पर एक ऑनलाइन व्यावहारिक कार्यशाला का आयोजन किया। कार्यशाला का उद्देश्य रीसाइक्लिंग के महत्व के बारे में जागरूकता बढ़ाना और हरे-भरे स्वस्थ वातावरण के लिए वृक्षारोपण के महत्व के बारे में जागरूकता पैदा करते हुए कागज के पुनः उपयोग में वृद्धि को बढ़ावा देना था। कार्यशाला का संचालन पर्यावरण विज्ञान विभाग से डॉ. शफीला ने किया। डॉ. शफीला ने बेकार कागजों से हस्तनिर्मित कागज बनाने की चरण-वार प्रक्रिया का प्रदर्शन किया, जिसका उपयोग विभिन्न उद्देश्यों जैसे पेंटिंग के लिए कैनवास, बुकमार्क बनाने, सजावटी लिफाफे आदि के लिए किया जा सकता है। उन्होंने घर पर सामान्य रूप से उपलब्ध सामग्री का उपयोग करके पेपर पेंसिल बनाने के चरणों के बारे में भी बताया। इसके अतिरिक्त, प्रतिभागियों को सीड बॉल बनाने की अवधारणा से परिचित कराया गया। पूरी कार्यशाला के दौरान, डॉ. शफीला ने पर्यावरण संरक्षण के लिए '3 आर' यानी रिड्यूस, रीयूज और रीसाइकिल के महत्व पर प्रकाश डाला। प्रतिभागियों ने उत्साहपूर्वक कागज के पुनर्चक्रण की प्रक्रिया को सीखा और पर्यावरण संरक्षण के लिए ऐसे उपायों को अपनाने का संकल्प लिया।

4. CELEBRATION OF WORLD NATURE CONSERVATION DAY

Activity Coordinator: Dr. Gunjan Sud

Date: 28 July, 2021

Number of participants: 10

Objective:

- To spread message about judicious use of natural resources for sustainability and maintaining the ecological balance of the mother Earth.

Context: Conserving nature for our future generations is dire need of the hour. Natural resources are the greatest gift of nature to mankind. Creating awareness about saving this grant with unparalleled utility is a challenging task and requires constant efforts. This plantation cum plant distribution drive was a small attempt in this direction.

Practice: Committed to the cause of “Greener and Sustainable Earth” the Department of Botany, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh undertook dual celebration of annual tree plantation festival of Van Mahotsav and World Nature Conservation Day on 28.7.2021. A tree plantation cum plant distribution drive was organized to mark the occasion. The drive commenced with the plantation of a sapling by Principal Dr. Nisha Bhargava. Following this, saplings of plants having medicinal and ornamental importance were distributed among the teaching and non-teaching staff.

Evidence of Success

Tree saplings were planted in different areas of the college by the faculty and non-teaching staff of the Department. Plants of economic and ornamental relevance including Brahmi, Akarkara, Stevia, Tulsi, Ajwain, Har Shingar were distributed amongst the teaching and non-teaching staff of the college.






World Nature Conservation Day and Vanmahotsav celebrated at MCM

The Aman Sandesh Times Network

Chandigarh: Committed to the cause of greener and sustainable Earth, the Department of Botany and Add on Course in Floriculture and Landscaping at Mehr Chand Mahajan DAV College for Women, Chandigarh celebrated the annual tree plantation festival of Van Mahotsav and World Nature Conservation Day with great enthusiasm.

A plantation cum plant distribution drive was organised to mark the occasion, with an aim to spread the message of dire need for environmental conservation by practicing judicious use of the available



natural resources and planting more and more trees so as to build a healthier tomorrow for the future generations.

The drive commenced with plantation of a tree sapling by the Principal Dr. Nisha Bhargava.

Plants including ajwain, akarkara, brahmi, stevia, harshringar, tulsi, aloe vera and neem were also distributed amongst the staff members.

Following this, saplings of medicinal and ornamental relevance provided by the Department of Forests and Wildlife, Chandigarh Administration were planted in different areas of the college.

Dr. Nisha Bhargava said that these endeavours envision to spread the message of the need to plant more trees for gifting the future generations a cleaner and greener environment. Asserting that global warming, climate change, extinction of species, etc. are the result of indiscriminate exploitation of natural resources by humans, she said that the onus of reversing the damage done so far is on us.

5. CELEBRATION OF INTERNATIONAL TIGER DAY

Activity coordinators: Dr. Neetu & Dr. Sarabjeet Kaur

Co-coordinators: Dr. Divya Sharma & Ms. Kadambari Pathania

Date: 29 July, 2021

Number of participants: 38 students, 4 faculty members

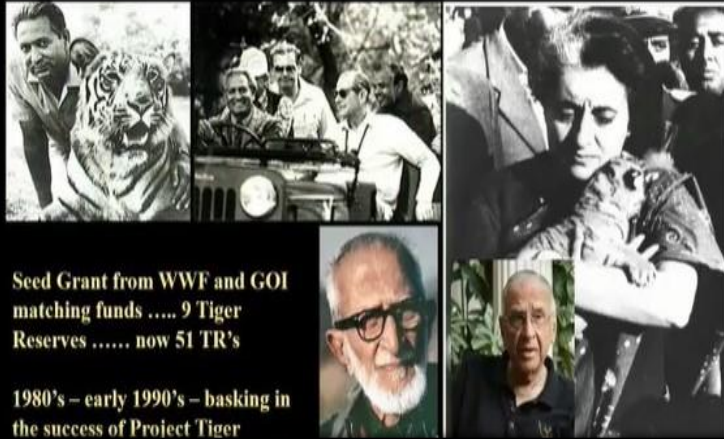
Objective: To discuss history of tiger conservation and to spread awareness about the need of tiger conservation in India.

Context: The International Tiger Day is celebrated on 29th July annually to spread awareness about the conservation of tigers in India. Being one of the dominant predators, tigers keep the population of wild herbivores in control, ensuring balance between herbivores and the plants they feed on. But due to poaching, trade, and deforestation leading to habitat loss the tiger population in the wild takes a heavy toll. A decline in the tiger population would lead to an increase in the number of herbivores which could be a precursor of the fall of an entire ecosystem.

Practice: The MCM Eco-Club in collaboration with the Department of Zoology organized a webinar on 'Conservation status of Tigers in India' on 29th July, 2021 on the occasion of the International Tiger Day. Mr. Jayanta Bora, Senior Research Fellow from Wildlife Institute of India, Dehradun was invited to share his knowledge and experience in the field of tiger conservation. Through the webinar students were informed about history of tiger conservation in India and how modern techniques such as- camera trapping, pug mark, scat and hide pattern analysis, genetic barcoding contribute to conservation of the national animal of India. The importance of why tiger conservation is essential was also emphasized to encourage students to opt for the field of conservation ecology. The session ended with our alumna Ms Shagun Thakur, who is a project associate at Wildlife Institute of India, Dehradun, giving career advice to the students and motivating them to pursue Wildlife Conservation as a career option.

Evidence of success: Wildlife conservation is part of the curriculum of BSc Medical course and after the presentation, several students showed interest and asked several questions regarding tiger conservation efforts in India and about wildlife conservation as a profession. The feedback received from the students indicated that students were satisfied and showed an interest in this avenue of wildlife conservation as a career option.

The Beginning of Modern Conservation Wildlife Act 1972, Project Tiger 1973



Seed Grant from WWF and GOI
matching funds 9 Tiger
Reserves now 51 TR's

1980's – early 1990's – basking in
the success of Project Tiger



Jayanta Kumar Bora

& the Recent Crisis.....



International Illegal
demand of Wildlife Parts
hits India hard in
1990's...



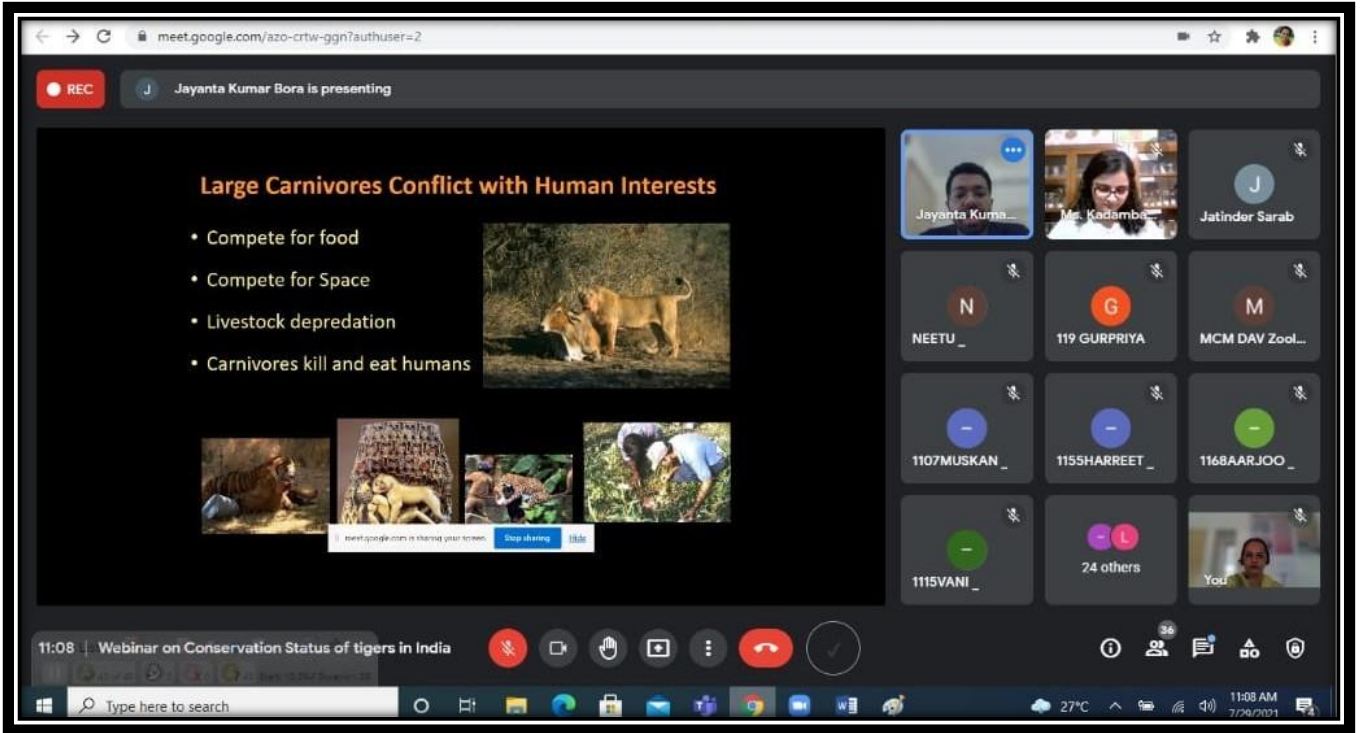
Local Tiger extinction
in Sariska & Panna in
2005



Official Record
3500 tigers !



Jayanta Kumar Bora



एमसीएम ने अंतरराष्ट्रीय बाघ दिवस मनाया

हरियाणा मेल ब्यूरो » चंडीगढ़

मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन, के जीव विज्ञान- विभाग ने एमसीएम इको क्लब के सहयोग से %भारत में बाघों की संरक्षण स्थिति% शीर्षक से एक वेबिनार के साथ अंतरराष्ट्रीय बाघ दिवस के उत्सव को चिह्नित किया। वेबिनार का उद्देश्य छात्रों को भारत में बाघ संरक्षण के इतिहास के बारे में बताना और बाघ संरक्षण की आवश्यकता के बारे में जागरूकता फैलाना था।

भारतीय वन्यजीव संस्थान, देहरादून के सीनियर रिसर्च फेलो श्री जयंत बोरा इस वेबिनार में प्रमुख वक्ता के रूप में शामिल हुए। वेबिनार ने 42 से अधिक प्रतिभागियों को भारत में बाघ संरक्षण के इतिहास के बारे में शिक्षित किया और किस प्रकार कैमरा ट्रैपिंग, पग



मार्क, स्कैट और हाइड पैटर्न विश्लेषण, जेनेटिक बारकोडिंग जैसी अत्याधुनिक तकनीकें भारत के राष्ट्रीय पशु के संरक्षण में योगदान करती हैं इस पर भी विस्तार से चर्चा की। बाघ संरक्षण

के महत्व पर जोर देते हुए, श्री बोरा ने कहा कि बाघों की आबादी में गिरावट से शाकाहारी जीवों की संख्या में वृद्धि होगी जो पूरे पारिस्थितिकी तंत्र के पतन का अग्रदूत हो सकता है। विशेषज्ञ ने

संरक्षण पारिस्थितिकी में अपना करियर चुनकर छात्रों को वन्यजीव संरक्षण में योगदान देने के लिए प्रेरित किया। सत्र का समापन भारतीय वन्यजीव संस्थान, देहरादून में परियोजना सहयोगी सुश्री शगुन ठाकुर ने छात्रों को करियर सलाह देने और उन्हें वन्यजीव संरक्षण को करियर विकल्प के रूप में अपनाने के लिए प्रेरित करने के साथ किया।

प्रधानाचार्या डॉ. निशा भार्गव ने हमारे देश के राष्ट्रीय पशु के संरक्षण के महत्वपूर्ण पहलू के बारे में जागरूकता बढ़ाने के लिए जीव विज्ञान विभाग के प्रयासों की सराहना की। उन्होंने कहा कि चूंकि बाघ पारिस्थितिकी तंत्र के संतुलन को बनाए रखने में महत्वपूर्ण भूमिका निभाते हैं, इसलिए बाघों की विगड़ती स्थिति और उनके संरक्षण की आवश्यकता के बारे में सभी को जागरूक करना बेहद जरूरी है।