

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**  
**SECTOR-11, CHANDIGARH**



**COURAGE TO KNOW**

**Name of the Department- Botany**  
**(Session: 2021-22)**

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Principal  
Post. Graduate Govt. College for Girls  
Sector 11, Chandigarh



## Rally on International Plastic Bag Free Day

PGGCG-11, Chandigarh along with other Educational Institutes of the city (under the aegis of Directorate Higher Education) launched a campaign on “No Plastic Bags Every Saturday” on **3<sup>rd</sup> July, 2021**, which is celebrated as International Plastic Bag free day, a global initiative that aims to eliminate the use of plastic bags. The campaign has promoted 3R-Reduce, Reuse and Recycle plastic bags to manage approx.17.6% plastic waste in the institutes. The objective of the campaign is to support the government effort to preserve the environment and improve knowledge awareness amongst households on eco-restoration and to plastic free campuses in the coming days. All colleges organised various activities like rallies, poster making and slogan writing competitions and interaction with stakeholders in the past to create mass awareness and around 50 thousands students, teaching and non-teaching faculty took pledge on the day to mitigate the negative effects of single use plastics and plastic items to achieve zero waste sustainable future.



Brochure of the event



Rally on International Plastic Bag Free Day

## National Campaign on Plantation and Geo-tagging

Department of Botany (Green Thumbs), Post Graduate Government College for Girls, Sector 11, Chandigarh, has taken initiative to organize “National Campaign on Plantation and Geo-tagging” **16<sup>th</sup> July to 30<sup>th</sup> July, 2021** with a theme “If you plant a tree, you plant a life”. Van Mahotsav is an annual tree plantation movement in India celebrated in the month of July to create awareness about the bad effects of deforestation. The vision of campaign is to encourage community outreach and to raise public awareness on environmental pollution and eco-restoration. The pioneer National campaign witnessed massive public support and cooperation nationwide, around 400 people from Chandigarh, Delhi, Haryana, Himachal and Punjab participated, belonging to different strata of society and planted multipurpose trees of medicinal value i.e Azadirachta (Neem), Cedrus, Citrus, GulMohar, Hibiscus, Ixora, Mangifera, Mimusops, Moringa, Morus, Phyllanthus and Tecoma.



Brochure of the event



National Campaign on Plantation and Geo-Tagging

## Tree Plantation drive on Ozone Day

Botany Department (Green Thumbs) of Post Graduate Government College for Girls, Sector 11, Chandigarh, on the occasion of International Ozone Day **16<sup>th</sup> September, 2021**, planted more than 100 multipurpose trees of medicinal and ornamental value i.e Ashoka (*Saraca indica*), Azadirachta indica (Neem), GulMohar (*Delonix regia*), Mango (*Mangifera indica*), Harshingar (*Nyctanthes arbortristis*), Palash (*Butea monosperma*), Tecoma (*Tecoma stans*) by faculty and students. This plantation drive was carried out to emphasize the importance of the ozone layer which prevents high frequency ultraviolet rays of the sun from reaching the earth, thus protecting human beings from skin cancer and host of other diseases and growing trees to bring down carbon dioxide emissions and thereby hampering depletion of the ozone layer. The solution of environmental problems like Global warming, Ozone depletion and pollution lies in planting more trees as forests are the only natural industry which is prime source of environmental purification and beautification.



Brochure of the event



Tree Plantation drive on Ozone Day

## Tree Plantation drive to celebrate Azadi ka Amrit Mahotsav

Botany Department has organised plantation drive on **10<sup>th</sup> February to 26<sup>th</sup> February, 2022** to celebrate Azadi ka Amrit Mahotsav. More than 200 saplings of medicinal and ornamental trees of *Azadirachta indica* (Neem), *Butea monosperma* (Flame of the Forest; Palash), *Cassia fistula* (Amaltas), *Mangifera indica* (Mango), *Mimusops elengi* (Maulsari), *Tamarindus indica* (Imli), *Putranjiva roxburghii* (Putranjiva), *Tinospora cordifolia* (Giloy) were planted across the campus by teaching and non-teaching faculty.



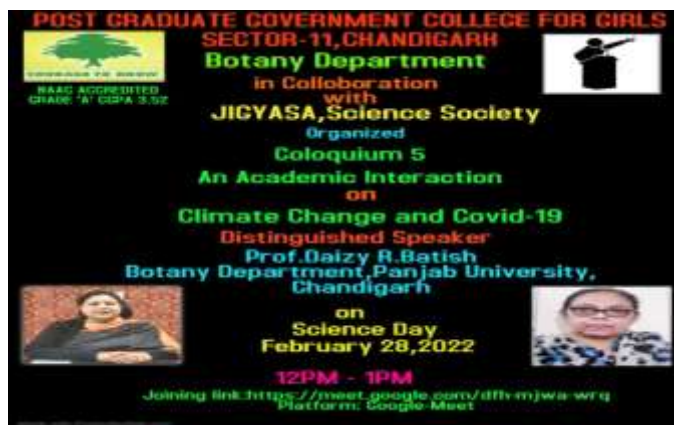
**Brochure of the Event**



**Principal Prof. Dr. Anita Kaushal planting sapling during Tree Plantation drive**

## Colloquium-An Academic Interaction (Series 5)

National Science Day (NSD) is celebrated on **28<sup>th</sup> February, 2022** to commemorate the discovery of the 'Raman Effect'. The theme of the National Science Day (NSD) is 'Integrate approach in science and technology for a sustainable future'. Botany department in collaboration with Jigyasa, Science society of Post Graduate Government College for Girls, Sector-11, organized fifth series of colloquium on "Climate Change and Covid-19" delivered by Prof. Daizy R. Batish, Botany Department, Panjab University, Chandigarh, which was attended by almost 500 students as well as faculty members from various colleges. The objective of the lecture was to bring science closer to society by highlighting the major global challenges which society is facing today. The relationship between climate change and coronavirus is ambiguous; hence it is becoming a serious threat to lives of billions of people and the planet. The inference drawn from the lecture is that there is a possibility of association between Covid-19 and climate change and the resource persons highlighted that safeguarding biodiversity is essential to prevent the next pandemic.



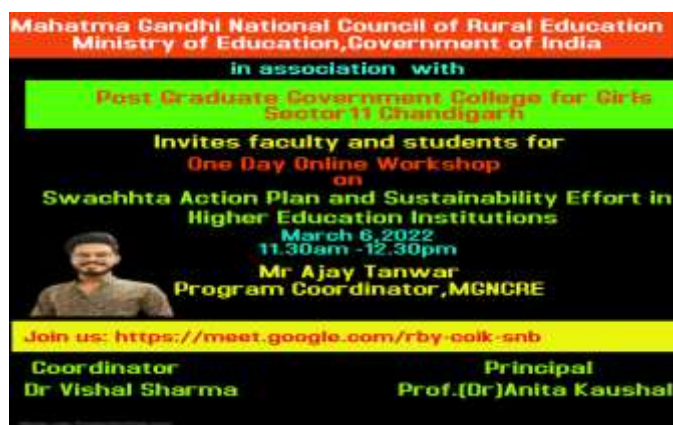
**Brochure of the event**



**Principal Prof. Dr. Anita Kaushal addressing the participants during Colloquium**

## **Virtual workshop on “Swachhta Action Plan and Sustainability Effort in Higher Education Institutions”**

The virtual workshop on “Swachhta Action Plan and Sustainability Effort in Higher Education Institutions” was conducted by Mahatma Gandhi National Council of Rural Education (MGNCRE; Ministry of Education, Govt. of India) in association with Botany Department, Post Graduate Government College for Girls, Sector-11, Chandigarh on **6<sup>th</sup> March, 2022** on Google meet. Mr Ajay Tanwar was a resource person, who shared his wide knowledge of social entrepreneurship with the students. He focused on the vision of SESREC (Social Entrepreneurship, Swachhata & Rural Engagement cell) and shared case studies associated with SESREC. At the end, he urged students to participate in the national level competitions. The complete session was very interactive and informative. The participants discussed and shared their ideas with the resource person. Over 500 students registered in the event.



**SESREC Workshop Brochure**

## Celebration of World Water Day at Regional Institute of English

Dr. Vishal Sharma, HOD, Botany has delivered lecture at Regional Institute of English (RIE), Sector-32, Chandigarh on “Mitigation of Climate Change-An Assessment of Carbon Foot Print Models of an Educational Institute for Sustainable Future” on World Water Day **22<sup>nd</sup> March, 2022**, as a resource person. Approximately 50 faculty members attended the lecture.



Brochure of the Event



Water Day Celebrations



## Environment Celebrations

### (a) Colloquium-An Academic Interaction on “Waste to Wealth”

Botany Department, Post Graduate Government College for Girls, Sector-11 organized sixth series of colloquium on “Waste to Wealth” on **5<sup>th</sup> June, 2022** in order to celebrate Environment Day (ED). A lecture was delivered by Mr Samarth Sharma, Consultant, MGNCRE, Ministry of Education, Government of India, which was attended by almost 100 students as well as faculty members. The objective of the lecture was to bring science closer to society by highlighting the major global challenges which society is facing today. The inference drawn from the lecture is that there is a possibility of association between mitigation of plastic items and climate change and the resource persons highlighted that safeguarding biodiversity and surrounding sanitation is essential to prevent the climate change. Prof. Anita Kaushal, Principal of the college, said that the college has always mobilized resources for various pro-environment programmes, such as cleanliness and plantation campaigns in and around the campus for the micro-climatic eco-restoration.



**Brochure of the Event**



**Waste to Wealth Workshop**

## (b) Waste to Wealth-Workshop and Exhibition

Post Graduate Government College for Girls, Sector-11, Chandigarh in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Government of India organized “Waste to Wealth” a Swachh Bharat Abhiyan and an initiative of Science Technology & Innovation Council, GOI on **5<sup>th</sup> June, 2022**. The resource person for the ‘Waste to Wealth’ workshop was Mr Samarth Sharma, Consultant, MGNCRE Ministry of Education, Government of India. More than 200 students participated in the exhibition in which recycled products like planters, Jewellery stand, vertical hanging Garden, plastic décor, bird house tree décor, vases, watering can, charging dock and Toy cars were displayed along with innovative ideas to mitigate climate change. The Principal Prof. (Dr) Anita Kaushal congratulated Dr Vishal Sharma, HOD, Botany and judges Mr Ajay Sharma, Dean and Ms Monica Vij, Vice-Principal, respectively for conducting and evaluating the event and stressed on the roadmap for circularity in single use plastic to decouple plastic production adopting sustainable resource efficiency solutions.



**Judgement of Waste to Wealth Competition**



**Resource Person interacting with Participants**

### (c) Poster and Slogan Competition on Climate Change

Post Graduate Government College for Girls, Sector-11, Chandigarh in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education, Government of India organized Poster and Slogan competition on topic “To mitigate carbon footprints with the lowering of energy consumption, solid waste management and water conservation” **5<sup>th</sup> June, 2022**. This event was organized to aware the students about the elevated population and energy consumption resulting in high rates of greenhouse gases (GHGs) emission which results in climatic change and the paradigm of ‘waste to energy, mitigation of carbon and its sequestration is relegated to a secondary level which conversely results in India discarding 68.8 million tonnes in landfills and comes third after China and US in total GHGs emission. and results in acute problem of carbon footprints and conforming to Paris Agreement, COP21 and to limit temperature rise to 1.5<sup>0</sup>C to moderate the micro-climate of the campus. More than 200 students participated in the event.



**Display of Posters after Competition**

### **(d) Tree Plantation drive**

Botany Department has organised plantation drive on **6<sup>th</sup> June, 2022** to celebrate Environment Day and Azadi ka Amrit Mahotsav and mitigate carbon footprints through carbon offshoots. More than 100 saplings of medicinal and ornamental trees of *Azadirachta indica* (Neem), *Butea monosperma* (Flame of the Forest; Palash), *Cassia fistula* (Amaltas), *Mangifera indica* (Mango), *Mimusops elengi* (Maulsari), *Tamarindus indica* (Imli), *Putranjiva roxburghii* (Putranjiva), *Tinospora cordifolia* (Giloy) were planted across the campus by teaching faculty.



**Faculty Members planting Saplings during Tree Plantation Drive**