

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)



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DEPARTMENT OF BOTANY

The Department of Botany is deeply committed to fostering the overall growth and development of its students. With a student-centric approach, the department ensures that learners are provided with ample opportunities to excel academically, professionally, and personally. To achieve this goal, a variety of initiatives are undertaken.

A series of expert-led lectures, interactive seminars, and hands-on workshops are organized regularly, covering a wide range of topics to broaden the horizons of students and keep them updated with the latest advancements in the field of botany and related sciences. These events not only enrich the knowledge base of students but also equip them with practical skills and insights essential for their future endeavors. Understanding the specific needs and aspirations of students, the department has also introduced specially designed certification and value-added courses. These programs are tailored to enhance the skillsets and competencies of students, making them better prepared for higher education, research, and employment opportunities. The value-added courses are structured to supplement the core curriculum, ensuring a well-rounded education that bridges the gap between theoretical knowledge and its real-world application.

Through these dedicated efforts, the Department of Botany strives to create an enriching academic environment that empowers students to achieve their full potential and emerge as well-equipped professionals and responsible citizens.

BOTANICAL EXPLORATION AT KANGER VALLEY NATIONAL PARK, BASTAR CHHATTISGARH

DATED ON 04/01/2024 TO 07/01/2024

In a captivating journey organized by the Department of Botany at Government V Y T PG Autonomous College Durg, a group of M. Sc. I semester and III Semester students, accompanied by members of the Botanical Society, embarked on a fascinating botanical visit to Kanger Valley National Park in Bastar, Chhattisgarh dated on 04/01.2024 to 07/01/2024. The trip, held under the insightful guidance of Assistant Professor Dr. Satish Kumar Sen, unfolded an exploration of diverse plant species, intriguing caves, and enchanting waterfalls.

Study of Various Plant Species:

The primary objective of the botanical visit was to study the rich biodiversity of Kanger Valley National Park. The students and members of the Botanical Society immersed themselves in the park's lush greenery, meticulously documenting and analyzing various plant species. Noteworthy among these was the Durwa Dera, a unique plant indigenous to the region, adding to the park's botanical richness. The exploration provided valuable insights into the ecosystem and conservation of these plant species.



Bamboo Rafting Adventure:

As part of the itinerary, the group indulged in an adventurous bamboo rafting experience. Navigating the pristine waters of the Kanger River on traditional bamboo rafts offered a close encounter with the park's aquatic flora. The experience not only heightened the botanical exploration but also provided a unique perspective on the symbiotic relationship between the plant life and the river ecosystem.

Teerathgarh Waterfall:

The visit to Teerathgarh Waterfall added a touch of awe-inspiring natural beauty to the botanical expedition. Surrounded by lush vegetation, the waterfall presented an opportunity to observe plant species thriving in the humid and misty environment. The thundering cascade served as a picturesque backdrop for the students to delve into the adaptation strategies of plants in such distinctive habitats.

Chitrakot Waterfall:

Another majestic waterfall on the itinerary was Chitrakot, often referred to as the "Niagara of India." Amidst the roar of cascading water, the students explored the flora surrounding this grand spectacle. The diverse vegetation around Chitrakot Waterfall showcased the adaptability of plants to varying environmental conditions, a crucial aspect of the botanical study.

Exploration of Ancient Caves - Kailash Gufa:

The itinerary included a visit to the ancient caves of Kailash Gufa, providing a historical context to the botanical exploration. The caves revealed a unique habitat for certain plant species and shed light on the coexistence of nature and ancient civilizations. The botanical study extended beyond the park's boundaries, incorporating the historical significance of the surrounding landscape.

Collaborative Learning and Research:

The botanical visit fostered a collaborative learning environment among the M.Sc. students and Botanical Society members. Fieldwork and discussions facilitated the exchange of knowledge and insights, contributing to a holistic understanding of the region's flora. Dr. Satish Kumar Sen's guidance played

a pivotal role in encouraging critical thinking and research-oriented exploration.



AN INVITED LECTURE BY SUPRIYA JAIN BANDHU

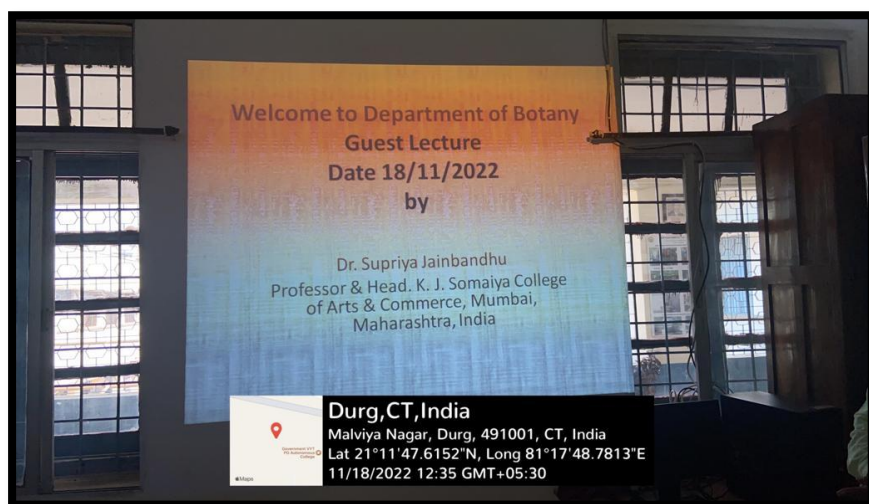
Date: 18.11.2022

On the 18th of November 2022, the Department of Botany at Govt. V.Y.T. PG Autonomous College in Durg (CG) hosted an Invited Lecture featuring Dr. Supriya Jain Bandhu, Professor and Head of the Department at K J Somaiya College of Arts and Commerce, Mumbai, Maharashtra. The focus of her lecture was on the intricacies of career development and the vast scope within the field of Botany.

The event, characterized by a seamless convergence of knowledge and intellectual exploration, drew active participation from both the esteemed faculty and the enthusiastic student body. Dr. Vijay Laxmi Naidu, with adept hosting skills, warmly welcomed the attendees, setting the stage for an intellectually stimulating discourse that unfolded during the session.

As the lecture drew to a close, Dr. Satish Kumar Sen expressed sincere appreciation for Dr. Supriya Jain Bandhu's profound expertise. He also acknowledged the collaborative efforts that were invested in organizing this insightful lecture, recognizing the dedication of those involved in bringing such academic endeavors to fruition.

The faculty's engagement during the event played a pivotal role in enhancing the overall discourse. Notable contributors included Dr. G. S. Thakur, Dr. Shriram Kunjam, Motiram Sahu, Ms. Asha Soni, and Daneshwar Prasad, who actively participated in academic discussions. Their valuable insights not only contributed to the depth of the lecture but also enriched the breadth of perspectives presented.



The audience, consisting of over 45 postgraduate students in Botany, Research Scholars eagerly seized the opportunity to interact with Dr. Supriya Jain Bandhu. This interaction went beyond the confines of traditional lecture formats, fostering meaningful discussions and contributing to a deeper understanding of both career development and the broader scope within the field of Botany. The session served as a platform for intellectual exploration and collaborative learning, leaving a lasting impact on all participants.



INVITED LECTURE: ANTIVIRAL STRATEGIES AGAINST HSV1 AND HSV2

Date: 03.01.2024

The Department of Botany at Govt. V.Y.T. PG Autonomous College in Durg showcased its commitment to academic excellence by hosting a distinguished Invited Lecture on "Antiviral Strategies Against HSV1 and HSV2." The event, held on January 3, 2024, featured Dr. D. Kalai Wani, Former Principal of Madras Presidency College, Chennai, Tamil Nadu, as the keynote speaker.

The lecture, a convergence of knowledge and intellectual exploration, witnessed active participation from both the esteemed faculty and enthusiastic students. Dr. Vijay Laxmi Naidu, demonstrating adept hosting skills, warmly welcomed attendees, creating an inviting atmosphere for the intellectually stimulating discourse that followed.

Dr. Ranjana Shrivastava, the Head of the Department, underscored the lecture's significance with eloquence, emphasizing its direct relevance to the field of Botany. Her narrative effectively connected academic content with broader implications, setting the stage for a comprehensive exploration of antiviral strategies.

The faculty's robust engagement further enriched the discourse, with Dr. G. S. Thakur, Dr. Shriram Kunjam, Motiram Sahu, Ms. Asha Soni, and Daneshwar Prasad actively participating in academic discussions. Their valuable insights created a collaborative atmosphere conducive to academic exploration, contributing to the depth and breadth of the lecture. The keen audience of over 40 postgraduate students of Botany eagerly seized the opportunity to interact with Dr. D. Kalai Wani. The session transcended traditional lecture formats, encouraging meaningful discussions and fostering a deeper understanding of antiviral strategies within the context of HSV1 and HSV2.

As the event concluded, Dr. Satish Kumar Sen expressed sincere appreciation for Dr. D. Kalai Wani's profound expertise and acknowledged the collaborative efforts that went into organizing this insightful lecture. The closing remarks served as a testament to the department's dedication to fostering intellectual growth and exploration within its academic community.

In conclusion, the Invited Lecture on Antiviral Strategies Against HSV1 and HSV2 emerged as a resounding success, contributing significantly to the academic enrichment of the Department of Botany at Govt. V.Y.T. PG Autonomous College. The event exemplified the success that arises from the synergy of a distinguished speaker, committed faculty members, and the enthusiastic engagement of students, reaffirming the department's dedication to excellence in education.

OUTREACH PROGRAM AT KOSRANGI, MAHASAMUND (CG)

Date: [13.01.2024]

The Department of Botany, Govt. V.Y.T. PG Autonomous College, Durg (C.G.), undertook a comprehensive outreach program at Kosrangi, Mahasamund (C.G.), focusing on environmental awareness and community engagement. The event, held on 13.01.2024, aimed to address pressing environmental issues and instill a sense of responsibility and consciousness among the participants and the local community.

A diverse group of more than 40 students, comprising both undergraduate and postgraduate levels, actively participated in the outreach program. The students played a crucial role in the success of the initiative, bringing energy, dedication, and a genuine interest in contributing to environmental well-being.

The guidance and support of the college's Principal, Dr. M A Siddiqui, and the Head of the Department, Dr. Ranjana Shrivastava, were pivotal in shaping the program and ensuring its alignment with the college's overall educational objectives.

The program encompassed a range of activities designed to have a tangible impact on the environment and raise awareness within the local community. Tree plantation activities were conducted to contribute positively to the local ecosystem, emphasizing the importance of afforestation.

Simultaneously, cleanliness drives were organized, encouraging participants to actively engage in maintaining a clean and sustainable environment. The combination of these activities aimed to provide a holistic understanding of environmental conservation.

The coordination of the program was expertly handled by Professor Motiram Sahu and Professor Janendra Diwan. Their meticulous planning and organizational skills ensured the smooth execution of activities, creating an environment conducive to active participation and learning.

B.Sc. students, including Lokdeep, Vinode, Puran, Bhumika, Versha, and others, exhibited exemplary commitment and enthusiasm throughout the program. Their involvement went beyond mere participation, showcasing a genuine passion for environmental causes and community development. The success of the outreach program garnered appreciation from esteemed faculty members, namely Dr. G S Thakur, Dr. Vijay Laxmi Naidu, Dr. S. K. Sen, Dr.



Shriram Kunjam, Ms. Asha, and Mr. Daneshwar Prasad. Their recognition not only validates the efforts invested but also emphasizes the significance of such initiatives in promoting a sense of responsibility among students. In conclusion, the outreach program at Kosrangi stands as a testament to the collective efforts of students, faculty, and organizers in fostering environmental awareness and community engagement. The detailed activities undertaken during the program contribute not only to immediate environmental improvements but also to the long-term development of a socially responsible and environmentally conscious community.

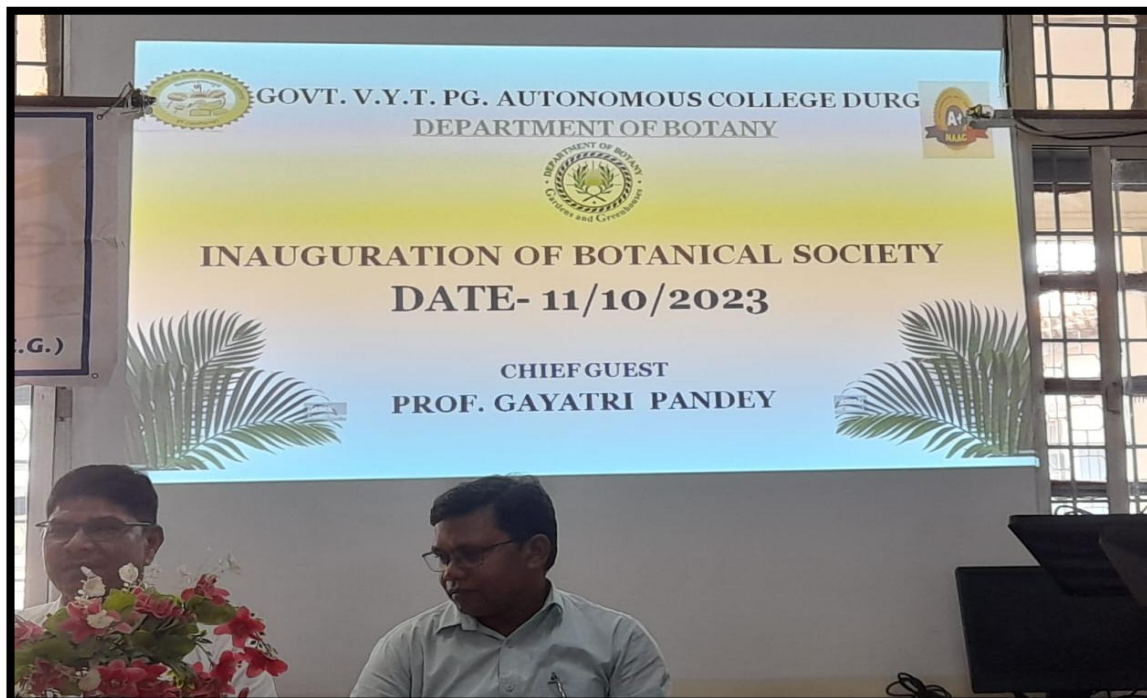
INAUGURATION OF BOTANICAL SOCIETY

Date: 11.10.2023

The inauguration of the Botanical Society, held on the 11th of October 2023, marked a significant event in the academic calendar. The esteemed Chief Guest for the occasion was Professor Gayatri Pandey, whose expertise added tremendous value to the proceedings. The focal point of the day was Professor Pandey's engaging lecture, delving into the profound significance and pressing need for the conservation of botany. Her discourse not only enlightened the audience but also underscored the critical role that botany plays in our understanding of the natural world.

As part of the event, the Botanical Society appointed key office bearers to lead and shape its activities. The roles of President, Vice President, Secretary, and Joint Secretary were conferred upon deserving individuals. Noteworthy among the nominations were Devika Janghel, Heena Devangan, Anil Kumar Khare, and Deepak Kumar (M.Sc. First Semester).

The formal inauguration of the program was gracefully initiated by Satish Kumar Sen, setting the tone for an intellectually stimulating gathering. At the program's conclusion, Dr. Shriram Kunjam took the opportunity to express heartfelt gratitude, recognizing the collaborative efforts that made the event possible. The day culminated in a sense of accomplishment and enthusiasm, laying the foundation for a vibrant and active Botanical Society at the institution.





Amal

Head of Department