



MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

Department of Applied Sciences, 2nd shift

Report of Expert Lecture

On

Dyeing-Dying Nexus: Breaking through Biotechnology

The Department of Applied Sciences 2nd shift, Maharaja Surajmal Institute of Technology, located in New Delhi, hosted an Expert Lecture on 26th April, 2024 from 11:30 am to 12:30 pm. The event saw the participation of over a hundred students and faculty members, who gained valuable insights and knowledge during the session. The lecture was centred around the theme "Dyeing-Dying Nexus: Breaking through Biotechnology." An extensive discussion delved into the process by which effluents from textile dyeing, when discharged into water bodies, undergo conversion into amines, consequently leading to water pollution. The session also emphasized strategies for addressing this issue, particularly at an industrial scale.



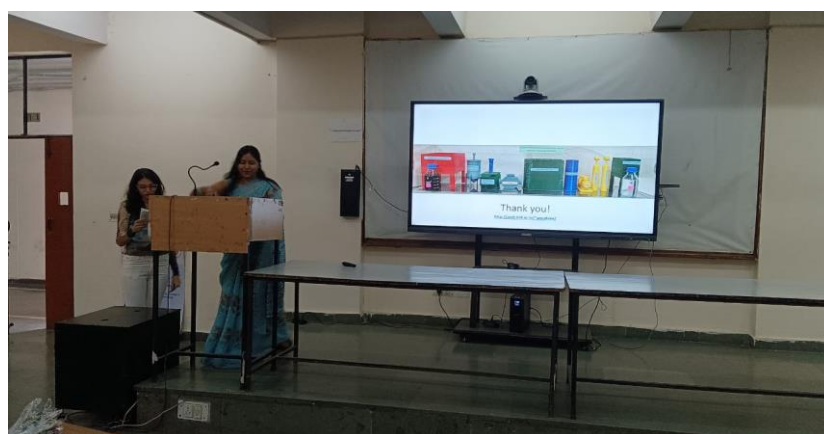
The expert lecture commenced with the inaugural session graced by the esteemed presence of Dr Anushree Malik, a professor at Centre for Rural Development and Technology, Indian Institute of Technology (IIT) Delhi. She is renowned for her numerous national and international accolades. Dr Rekha Tripathi, Head of the Department (Applied Sciences, 2nd Shift), extended a warm welcome to Dr Malik, presenting her with a bouquet as a gesture of honour. Following this, Dr Malik delivered a presentation and engaged the audience in an interactive session.



Dr Malik initiated her address by illustrating a white/blank screen, underscoring the significance of colours in our lives, particularly in the realm of clothing. However, she emphasized the critical importance of proper dye disposal, highlighting the carcinogenic nature of a significant portion of these dyes, along with other inherent risks they pose.



Dr Malik and her team devised a groundbreaking solution in the form of a 'magic' capsule named Mycotablet. During her presentation, she elaborated on the extensive efforts invested in developing this innovative product, including the roadmap followed, encountered failures, challenges overcome, and ultimately, the success achieved. The invention and successful implementation of the Mycotablet earned recognition as the winner of the India Innovation Growth Program.



Following the conclusion of her presentation, Dr Malik graciously addressed questions posed by the students, expressing appreciation for their engagement and active participation.



The expert lecture reached its conclusion with a vote of thanks delivered by Dr Rashmi Gupta, Faculty of Communication Skills, Applied Sciences. Additionally, Professor A.K. Singh presented a memento to Dr Anushree Malik in recognition of her contributions. The lecture proved to be interactive and enriching, with full participation from all attendees.

Dr. Rashmi Gupta
(Event Coordinator)

Dr. Rekha Tripathi
(HoD, Applied Sciences, II shift)