



**Dr. B. Lal Institute  
of Biotechnology**  
An Exclusive Biotechnology Institute

# The BioTech Bulletin!

**BIBT's Newsletter January 2025**  
Pioneering Breakthroughs, One Discovery at a Time!

**BIBT wishes everyone a very  
Happy and Prosperous  
New Year**



Prepared by: The Marcom Club of BIBT | Edited by: Marketing Team  
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# From The Principal's Desk



**Dr. Aparna Datta,**  
**Principal**

Dear Readers,

We ended the year on a high note! We proudly signed four MoUs with the **City Institute of Higher Learning (C-IHL), Canada, the College Education Department, Rishikul Vijay School, and the ECH-Incubation Center, University of Rajasthan** paving the way for global academic partnerships and fostering a spirit of sportsmanship.

Our faculty made remarkable strides on national platforms, contributing **chapters and research papers** to leading journals.

This month also brought great news for our students! They secured top prizes at **Taxila Business School and Jaipuria Management School** and placements in the season's first placement drive. Our admissions team extended their outreach by connecting with schools in **Tonk**, furthering **engagement efforts**.

We celebrated **Christmas** and welcomed the **New Year** in style, with staff exchanging heartfelt wishes through the joyous **Secret Santa** activity. Continuing our "**Humans of BIBT**" campaign, we spotlighted the unique stories of our students, celebrating their diversity and individuality.

Stay connected for more exciting updates in the next edition!

# BIBT Highlights

## Global Learning Unlocked: BIBT signs an MoU with the City Institute of Higher Learning



**BIBT** signed an **MoU** with the **City Institute of Higher Learning (C-IHL)**, **Canada**, forging a pathway to **global academic partnerships** and **unparalleled opportunities** for our students and faculty.

**MoU exchange ceremony between Dr. O. P. Bairwa, IAS, Government of Rajasthan and Dr. Aparna Datta, Executive Director & Principal of Dr. B. Lal Institute of Biotechnology**



**BIBT** signed a Memorandum of Understanding (MOU) with the **College Education Department, Government of Rajasthan**, for a transformative project titled, "**Dr. B. Lal Institute of Higher Education & Skill Development.**"



## Certificate of IIC Establishment



BIBT was awarded the prestigious **Certificate of IIC Establishment (IC202433247)** by the **Innovation Cell, Ministry of Education, Government of India**, reflecting our commitment to innovation and entrepreneurship!

## MoU between BIBT and Rishikul Vijay School



BIBT has signed an MoU with **Rishikul Vijay School**, granting our students access to **sports facilities** and fostering physical fitness and sportsmanship.



## MoU between BIBT and ECH Incubation Center, University of Rajasthan



**Dr. B. Lal Institute  
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Signs **MOU** with



BIBT has signed an MoU with the **ECH-Incubation Center, University of Rajasthan**. This collaboration will open up exciting opportunities for innovation and entrepreneurship among students.

## Welcoming the newest batch of DMLT students at BIBT!



BIBT inaugurated the orientation session for the **10th batch** of the **Diploma in Medical Laboratory Technology (DMLT)** program.

## Poster (Med-Innovate 2025 Ideathon & Startup Expo) Unveiling Ceremony at Apex Hospital!



The poster on "Med-Innovate 2025 Ideathon & Startup Expo" was officially launched by **Dr. Sheenu Jhavar** - Director, Apex Hospitals; President, TIE Rajasthan and Board Member, IIHMR Startups and **Dr. Aparna Datta** - Executive Director & Principal, Dr. B. Lal Institute of Biotechnology at Apex Hospital. The ceremony featured **Dr. Kushal Pareek** - Innovation Manager, IIHMR and Aayushi Jain.

## Ms. Kritika Shah and Ms Sarita Vatwani at Govt. Shakambhar PG College, Sambhar Lekh, Jaipur



Our esteemed alumni, **Ms. Kritika Shah and Ms Sarita Vatwani**, were invited as **Guests of Honor** at **Govt. Shakambhar PG College, Sambhar Lekh, Jaipur**. The session was focused on **Entrepreneurship and Innovation**, where they shared the inspiring journey of the **Prakrit Foundation**.

# Offsite Biotechniques Workshops

## Offsite Biotechniques Workshop at Maheshwari Girls' Public School (MGPS)



Ms. Akansha Mathur, Ms. Anjali Pandit, and Mr. Danish successfully conducted a hands-on training session on DNA Extraction and Agarose Gel Electrophoresis for 56 Biology students at **Maheshwari Girls' Public School (MGPS)** in their School Campus.

## Outreach Activity with Sony Oxygen Academy Coaching, Tonk!



As a part of our Outreach Engagement Initiatives, we engaged with Class XII Biology students from **Sony Oxygen Academy Coaching, Tonk.**



# Faculty and Staff Achievements

New  
Book

## Congratulations

Dr. Sonia Kaura!



Dr. Sonia co-edited the book on  
Futuristic Trends in Biotechnology!

New  
Article

## Congratulations

Dr. Sudipti Arora!



Dr. Sudipti's article titled, **“Empowering Rural Women Through Sustainable Menstrual Hygiene Practices for Enhanced Reproductive Health”** was published in the Journal of Reproductive Health and Medicine (JHRM)

# Congratulations

**Ms. Amanpreet Kaur, Dr. Sonika Saxena, and Dr. Sudipti Arora**

Nanoparticles: A New Paradigm for Wastewater Treatment



## Nanoparticles: A New Paradigm for Wastewater Treatment

A Kaur, S Saxena, S Arora, A Agarwal

Application of Microbial Technology in Wastewater Treatment and Bioenergy Recovery, 2024 · Springer

### Abstract

This chapter underscores the pivotal role of water in sustaining life while highlighting the escalating global water pollution crisis. It explores the limitations of conventional water treatment methods and introduces nanotechnology, particularly nanoparticles, as a revolutionary approach to wastewater treatment. The classification section categorizes nanoparticles into organic and inorganic types, detailing their applications in water treatment, with a focus on oxides of silver, gold, zinc, copper, iron, and titanium dioxide nanoparticles. This chapter also introduces the concept of "green technology" and emphasizes green synthesis methods for nanoparticles using bacteria and plant extracts. The third section provides specific examples of bacteria-and plant-mediated synthesis, showcasing the versatility of these eco-friendly and cost-effective approaches. In conclusion, this chapter underscores the promising role of nanotechnology in addressing water pollution challenges and highlights the transformative potential of green synthesis methods for producing environmentally friendly nanoparticles, marking a significant step towards efficient and sustainable wastewater treatment solutions.

Springer



The paper titled, "**Nanoparticles: A New Paradigm for Wastewater Treatment**", authored by Ms. Amanpreet Kaur, Dr. Sonika Saxena, Dr. Sudipti Arora, and Dr. Aditi Agarwal was published in the **Springer Book Application of Microbial Technology in Wastewater Treatment and Bioenergy Recovery**.

# Congratulations

Ms. Amanpreet Kaur and Ms. Anushka Shukla



**Amanpreet and Anushka at IIHMR's 3-day workshop on "Fluoride and Fluorosis Mitigation"**

Amanpreet Kaur and Anushka Shukla completed a 3-day workshop on **"Fluoride and Fluorosis Mitigation"** at IIHMR, organised by **Sehgal Foundation** in collaboration with **CAWST** and **UNICEF**.



# Congratulations Ms.Anjali Pandit!

**Anjali Pandit: 2nd Position in the Oral Presentation at BIOCON 2024!**



**Anjali Pandit won the Second Position in the Oral Presentation at BIOCON 2024 organized by Biyani College Jaipur.**

**Anjali Pandit with the Best Innovation Award at the ISLS Conference!**



**She was also been awarded with Best Innovation Award at the ISLS Conference organised by the University of Rajasthan, Jaipur. Her presentation was on using AI/ML approaches for predicting protein secondary structure in drug discovery**

# Student Achievements



Our students, **Garvit, Arnav, Dhruv, and Mohit** (from left to right) emerged as **Runners-Up** in the **Antakshri** competition held at **Jaipuria Institute of Management**!



**Dhvnit and Nishrat** were **3rd Runner-Ups** in the **JQI-24 Quiz** at **Jaipuria Institute of Management**!



**BIBTians@MSME Conclave Rising Rajasthan!**



**BIBTians at the Marathon**  
(‘रन फॉर विकसित राजस्थान’) which took place  
at Amar jawan jyoti Jaipur!



**Garvit, Akash, Shubham, Sneha, and Mannan got**  
the **First Position in the Treasure Hunt** at the “**LAMHE'24**”  
**Annual Fest at Taxila Business School!**



**Bhavna, Poorva, Ankita, Nisha, and Kavita,**  
emerged as **Runners-Up in Futsal** in the **Women's category**  
in **LAMHE'24** the annual fest of **Taxila Business School!**





**Aditya Kumar Jangam got the First Position in e-Sports (BGMI) at LAMHE'24 the annual fest of Taxila Business School!**



**Kavita, Bhawna, Nisha, Aiyasha, Sneha Sharma, Sneha Agarwal, Avni, Priyal, Sneha, and Ankita got the First position in Dodge Ball at Taxila Business School!**



**Kanishka, Tanya, Nikita, Soniya, Niharika Sharma, Avani, Priyal, Adhya, Sneha, Chanchal, and Kavita won the Second Position in Group Dance at Taxila Business School!**

# Alumni Updates



**Naveena Sheikh**  
(B.Sc. Biotechnology 2019-22)  
completed her  
**Masters in Public  
Health** from the  
**University of  
Aberdeen, Scotland,  
UK.**



**Khushbu Sharma**  
(B.Sc. Biotechnology 2019-22) started a  
new position as a  
**Trainee Research  
Associate** at **INTAS  
Pharmaceuticals,**  
**Ahmedabad, Gujarat.**



**Neha Sharma (B.Sc. Biotechnology 2016-19)** currently **JRF** at the **Institute of Liver and Biliary Sciences, New Delhi**, received the **Plenary Award** at the **Indian Society of Gastroenterology Conference.**



**Abhipsa Panda**  
(B.Sc. Biotechnology 2015-18) has been awarded the prestigious '**Preludium**' projects by the **National Science Centre Poland (NCN\_PL).**

# Placement Cell Activities

## Session by T.I.M.E.: Management Careers for Biotech Students!



The placement cell of BIBT hosted an enlightening session on “**Career in Management**” featuring **Rammohan Tumuluri, Product Head at T.I.M.E.**, and **Vimal Kumar, Senior Manager at T.I.M.E.** The session empowered students to view management as a second career option.

*Congratulations*  
**BIBT PLACEMENTS**  
**2024-25**

**NAVPREET KAUR**  
Avoraus Market Research



**Navpreet Kaur** of M.Sc. (Batch 2024 - 25) got placed in **Avoraus Market Research, Jaipur.**



# Humans of BIBT

## HUMANS OF BIBT

“Balancing *work* and *academics* has been a journey of *growth* and *resilience*. At BIBT, I've honed my time management and multitasking skills and gained in-depth *lab training* and exposure to *cutting-edge research*. This experience has empowered me to blend *professional* insights with *academic excellence* to shape a well-rounded future!”



**Aditya Sharma**

Program Specialist, Fortrea Pvt Ltd

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Balancing a full-time job with academics is no easy feat, but Aditya Sharma, an MSc graduate student has mastered the art of resilience and adaptability.

[\(Read More\)](#)



## HUMANS OF BIBT

“Moving from *Dehradun* to *Jaipur* has been both an exhilarating and daunting journey. Leaving my *hometown* felt like leaving a part of my *soul* behind, as its peaceful hills and *serene* mornings had become my *haven*. Instead, I see this *transition* as an opportunity to embrace the *new experiences* life has to offer!”



**ANSHIKA DIMRI**

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Meet Anshika Dimri, the fourth feature in our Humans Of BIBT series—a dreamer and achiever who finds beauty in every journey!

[\(Read More\)](#)



## HUMANS OF BIBT

“From the *Netherlands* to *India*, my journey is no less than of discovery and adaptability. As a *Forensic Laboratory Research student* and pursuing *IBT* from BIBT, this transition helped me embrace the beauty of *cross-cultural* connections and the endless possibilities of *learning* beyond borders!”



**Frederique Custers**

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An international student from the Netherlands, Frederique made the bold decision to move to India to pursue her IBT project.

[\(Read More\)](#)



# What's Happening in the Ecosystem?

Transform your Biotech Skills  
with our Industrial Biotech  
Training (IBT).  
**Enroll Today!**

**Dr. B. Lal Institute  
of Biotechnology**  
An Exclusive Biotechnology Institute



## INDUSTRIAL Biotech Training (IBT)

To Bridge the skill gap between Industry and Academia

### IBT Formats

<b>Workshop Structure</b> 3-5 Days	<b>Training Modules</b> 15-30 Days
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### Dissertation and Project Work

30-180 Days

### IBT Domains

 Medical Microbiology	 Environmental Biotechnology
 Molecular biology	 Medical diagnostics
 Advanced genetic engineering	 Bioinformatics
 Plant Biotechnology	 Biofuels
 Protein engineering	 Immunotechnology

### The BIBT Advantage

 State-of-the-art Labs & Instrumentation	 Industry-oriented Curriculum and Hands-on Practical Training	 Experienced Faculty	 Active Placement Cell	 Research-driven organisation	 Strong Brand Values and Alumni Network
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**APPLY NOW!**

## Conference on "Innovate, Inspire, Impact: Women Leading the Way"



**Dr. Sudipti Arora**, Assistant Director, Dr B Lal Institute of Biotechnology and the Chairperson of **ASSOCHAM**, graced the event "Innovate, Inspire, Impact: Women Leading the Way" as a distinguished speaker. The event offered an inspiring and enriching platform, showcasing the journeys of trailblazing women who are redefining success.



## Faculty Development Program titled "Leaders in Me," featuring Dr. Mary P. Jeyanthi

BIBT conducted a Faculty Development Program titled "Leaders in Me," featuring **Dr. Mary P. Jeyanthi**, a distinguished Business Analytics Professor from the Jaipuria Institute of Management.

## Faculty Development Program titled "Journey Towards Entrepreneurship," led by Dr. Sarika Gupta



BIBT hosted a Faculty Development Program titled "Journey Towards Entrepreneurship," led by **Dr. Sarika Gupta**, Director of Geenathon Technologies Pvt. Ltd. The program aimed to equip faculty members with insights into entrepreneurship and its transformative potential.

# Blog of the Month!

## Biotechnology Growth in India: 2024 Report Insights and Stats!

India's biotechnology sector has experienced remarkable growth, positioning itself as a major global player. The India BioEconomy Report 2024 outlines the advancements and future projections for the nation's burgeoning biotechnology industry. With substantial government support and a thriving innovation ecosystem, India's BioEconomy is expected to reach new heights. (Scan the QR code)







# Christmas and New Year Celebrations at BIBT



## New Joinings at BIBT



**Dr. Manish Pareek**  
Assistant Professor  
PhD in Genetics,  
University of Delhi

# Revisit 2024

**2024  
WRAPPED IN  
NUMBERS**

Watch here



REVISITING 2024

Watch here





# About BIBT

At BIBT, we are committed to shaping the future of science and innovation. As a premier institution in biotechnology, we offer cutting-edge education, state-of-the-art research facilities, and industry-focused training that equips our students to thrive in the rapidly evolving biotech landscape.

With top placements in the biotech sector, we've built a reputation for excellence through world-class infrastructure and a sustainable campus that fosters innovation. Our network of over 2,500 alumni is making a global impact, driving industry advancements and leading research institutions.

As the educational arm of Dr. B. Lal Clinical Laboratory, a renowned name in healthcare, we are deeply committed to empowering the next generation of scientists, researchers, and innovators. Our mission is to equip students with the knowledge and skills to create lasting solutions to global challenges, ensuring they lead the way in the future of biotechnology. With a focus on hands-on learning, interdisciplinary research, and strategic industry partnerships, BIBT is a catalyst for groundbreaking discoveries in healthcare, agriculture, and environmental science.

For admission-related queries, please contact: [admission@blalbiotech.com](mailto:admission@blalbiotech.com)

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