



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

An Exclusive Biotechnology Institute

The BioTech Bulletin!

BIBT's Newsletter, April 2025

Pioneering Breakthroughs, One Discovery at a Time!



***Dr. B. Lal Institute of Biotechnology was recognised as
"Top 10 Promising College Campuses with Research & Development Facilities"***

DR B. LAL INSTITUTE OF BIOTECHNOLOGY

ADVANCING SCIENTIFIC DISCOVERIES THROUGH STRONG INDUSTRY-ACADEMIA PARTNERSHIPS

The biotechnology sector is transforming industries, driving innovation in healthcare, agriculture, environmental sustainability, and industrial applications. With government initiatives like the BioE3 Policy and Genome India Bio Policy, India's biotech market is projected to surpass \$200 billion, creating vast opportunities. To meet industry demands, academic institutions must align with emerging advancements. Dr B. Lal Institute of Biotechnology stands at the forefront, offering a specialized curriculum in genomics, synthetic biology, bioinformatics, and AI-driven applications, preparing students to become future scientists, researchers, and entrepreneurs.

Dr B. Lal Institute of Biotechnology (BIBT) thrives on a structured research-driven ecosystem, seamlessly integrating innovation into academia. The Research, Development & Innovation (RD&I) Department, guided by seasoned faculty and industry experts, provides an environment where students engage in high-impact biotech research. Prototyping, patent filing, and scientific publishing are core aspects of the student experience, with several funded projects transforming theoretical knowledge into tangible solutions.

The institute's research framework encourages students to pursue interdisciplinary studies, fostering expertise in genomics, synthetic biology, bioinformatics, and AI-driven biotech applications. Through industry collaborations, students work on real-world projects, ensuring they graduate with not just academic knowledge but practical experience in solving contemporary biotech challenges.

Cutting-Edge Infrastructure

At Bibt, the state-of-the-art laboratories house advanced biotech instrumentation, facilitating hands-on training in genetics, molecular biology, microbiology, and bioinformatics. Specialized research facilities encourage real-world experimentation, ensuring students spend significant time in labs rather than just classrooms. The institute's industry-standard protocols and access to modern equipment prepare graduates for research, healthcare, and industrial biotech applications. Their



Saksham Gupta
Director

ecosystem nurtures a mindset of exploration, prototype development, and scientific advancement, embedding biotech entrepreneurship within academic frameworks. Additionally, the institute provides access to high-throughput sequencing facilities, bioprocess engineering labs, and computational biology centers, equipping students with the expertise to navigate the intersection of biotechnology and data science.

The developing biotech sector requires professionals with industry-relevant skills that align with technological advancements. Bibt meets this demand through specialized certifications, hands-on training, and career development initiatives. Personalized counseling refines career paths, resume workshops enhance professional portfolios, and mock interviews build confidence for recruitment. The curriculum covers regulatory affairs, biotech entrepreneurship, and bioethics, ensuring graduates possess both technical expertise and industry awareness. Industrial visits, internships, and expert lectures bridge academia and industry, equipping students with the experience needed to excel in the workforce.



(Scan the QR code to
Read the full article here)

From The Principal's Desk



**Dr. Aparna Datta,
Principal**

Dear Readers,

March has been a truly remarkable month for all of us at Dr. B. Lal Institute of Biotechnology (BIBT). We are proud to share that BIBT has been recognized among the “Top 10 Promising College Campuses with Research & Development Facilities” by Higher Education Review Magazine—a testament to our unwavering commitment to academic and research excellence. A key highlight this month was hosting Shri V. Saravana Kumar, Secretary to the Government (DST), for a one-day workshop on Intellectual Property Rights (IPR). The day also featured a stimulating panel discussion by leading experts and guest lectures by renowned professionals.

We successfully concluded a 3-day Forensic Science Workshop offering our students hands-on experience and cross-institutional learning. Our faculty continues to bring pride to BIBT through publications in reputed journals and the release of a newly published book. Further, our research initiatives received international attention as our Research Assistants facilitated the visit of a PhD scholar from Switzerland, showcasing BIBT's vermifiltration facilities. Our IBT training programs wrapped up with excellent feedback, particularly on the quality of hands-on and practical learning experiences. In terms of community outreach, our active participation helped us connect with the wider community.

Our students visited the MNIT Innovation and Incubation Center, gaining valuable exposure to emerging trends and entrepreneurship. We celebrated the placement success of our M.Sc. and B.Sc. students, many of whom secured exciting opportunities during the recent placement drive. Our admissions team engaged with students from BES Institute of Pharmacy, Raigad, Maharashtra, introducing them to the unique offerings of BIBT. We were also proud to be part of the Indian Plumbing Association's event and to celebrate National Science Day 2025 at Aandhi Village. Special mention goes to our Assistant Director, Dr. Sudipti Arora, who represented BIBT at the LEE Series and participated in a prestigious book launch ceremony hosted by MNIT, Jaipur. Finally, the spirit of the season was alive with our vibrant International Women's Day and Holi celebrations, bringing together the BIBT family in joy and unity.

February was a month of growth, learning, and celebration—and March only took that momentum further. We look forward to sharing more exciting updates in the next edition!

BIBT Highlights

One-day Workshop on Turning Ideas to Assets: A Practical Guide to IPR in Research & Innovation



Dr. B. Lal Institute of Biotechnology, in collaboration with the Institutions Innovation Council and Department of Science & Technology, Government of Rajasthan, successfully hosted a one-day workshop on "Turning Ideas to Assets: A Practical Guide to IPR in Research & Innovation". We were honoured to welcome Shri V. Saravana Kumar, IAS, Secretary to the Government, DST, Rajasthan, as our Chief Guest, alongside an esteemed lineup of speakers and experts who shared invaluable insights into Intellectual Property Rights (IPR) and its role in biotechnology and innovation. We also welcomed Dr. Jerry Joshy, Dr. Gaurav Sharma, Megha Khandelwal, and Govind Sharma, and distinguished panellists like Dr. Vijay Chatterjee, Abhishek Khandelwal, and Dr Sandeep K. Shrivastava, the workshop empowered students, researchers, and industry professionals to transform their innovative ideas into valuable assets!

Dr. B. Lal Institute of Biotechnology in collaboration with Jaipur National University proudly launched a 3-day workshop on Forensic Science & Certification Program and 1st Zonal Championship in association with MakeIntern and E Cell IIT Hyderabad



On day 1 of Forensic Science Workshop Dr. Wagadevi R Jouis introduced students to principles, scope & methodologies of Forensic Science. On day 2 students learned about fingerprint, handwriting, and signature analysis. And on day 3 students learned about forensic anthropology.

Industrial Visit to MNIT Innovation and Incubation Centre



Msc and BSc students of Dr. B. Lal Institute of Biotechnology visited the MNIT Innovation and Incubation Centre (MIIC) for an enriching session on entrepreneurship and innovation. Shekhar Dhuliya delivered an insightful presentation on the role of incubation centres in nurturing startups. He emphasised the importance of identifying real-world problems and transforming them into impactful business solutions. Dr. Kuldeep Singh, founder of Climatech Environment Pvt. Ltd., incubated at MIIC, shared his real-world experiences, highlighting how young innovators can leverage the startup ecosystem to drive change and build sustainable ventures.

BIBT exhibited at Shakti Vandan - a 3-day event dedicated to uplifting women entrepreneurs



We participated in Shakti Vandan, a three-day event at Shilp Gram, Jawahar Kala Kendra - a vibrant confluence of women entrepreneurship, health, and cultural traditions. With Mayor Dr. Somya Gurjar leading the way, this event reaffirmed the commitment to Vocal for Local, empowering women-led businesses and preserving our rich heritage.

Dr. Sudipti Arora shared her journey as a panellist for “Meri Kahani Meri Jubani” at Shakti Vandan!



Adding to this inspiring experience, our Assistant Director, Dr. Sudipti Arora, had the privilege of sharing her journey as a panellist for "Meri Kahani Meri Jubani". She spoke about the Aandhi zero-waste study and her journey as a cancer survivor, leaving the audience moved and inspired. The moment became even more special when the Mayor of Jaipur, Dr. Somya Gurjar, not only appreciated our work but also encouraged collaboration on a zero-waste initiative for the city!

Dr. Sudipti Arora sharing her impactful journey at LEEE Series organised by MNIT Jaipur



Dr. Sudipti Arora, Environmental Research Scientist and Assistant Director, Dr. B. Lal Institute of Biotechnology was invited as a distinguished speaker at the Lecture and Expert Exchange on Environmental Engineering (LEEE) Series organised by MNIT Jaipur. Dr. Arora shared how her work on earthworms for wastewater treatment led to the patented “Vermifiltration Technology). She highlighted her transition from research to innovation and the founding of Prakrit Sustainable Integrated Foundation, where she’s making a tangible difference in the field of waste management.

Dr. Sudipti Arora, invited as a Panel Speaker at the launch of Business Ethics Essentials at MNIT, Jaipur



Dr. Sudipti Arora was invited as a keynote speaker at the launch of Business Ethics Essentials, a book by Dr. Ritika Mahajan (Faculty, Department of Management Studies, MNIT Jaipur), at MNIT in collaboration with Vibrant Publishers. She reflected on the interplay between business growth, social responsibility, and ethical challenges.

Dr. Sudipti Arora, Assistant Director, took the stage at the Indian Plumbing Association celebrating World Plumbing Day. She was celebrated for her work in wastewater treatment, ESG, and sustainability. Dr. Arora also recognised the unsung heroes who ensure clean water and sanitation, acknowledged water as a resource more precious than gold and emphasised the role plumbers play in water efficiency and conservation.



Dr. Sudipti Arora was invited as a distinguished speaker at the Indian Plumbing Association, Jaipur Chapter on the occasion of World Plumbing Day!

International Women's Day Celebration: A session on "Getting Started with Digital Marketing" in Ramsarpalawala village



We marked International Women's Day with enthusiasm, gratitude, and a spirit of empowerment by launching SHEROS—an initiative by Dr. B. Lal Clinical Laboratory, an exclusive campaign for women's health. Meanwhile, our social partner Prakrit Foundation championed women entrepreneurs by hosting a session on "Getting Started with Digital Marketing" in Ramsarpalawala village. With the support of Adsgrip - Digital Marketing Consultancy, local women entrepreneurs explored digital tools to elevate their businesses online.



Research Achievements

Book Publication

Prof. (Dr.) Izharul Haq co-authored
a book titled
"Advanced Treatment Technologies for the Removal of
Microplastics in Wastewater"

CRC Press (Taylor & Francis Group) has published the Book

**BIBT
CONGRATULATES**

Dr. Izharul Haq
Assistant Professor and Centre
of Excellence Coordinator



Dr. Izharul Haq, Assistant Professor
& Center of Excellence Coordinator,
on successfully co-authoring the
book "Advanced Treatment
Technologies for the Removal of
Microplastics in Wastewater,"
published by CRC Press (Taylor &
Francis Group).

Research Article Publication

Prof. (Dr.) Aditi Nag
has co-authored a paper titled
"Exploring Dual Applications of Gliptins: A Potential
Host-targeted Strategy for Diabetes and COVID-19
Co-Morbidity"

This paper has been published in the Journal of Medical Hypotheses

**BIBT
CONGRATULATES**

Prof. (Dr.) Aditi Nag
Assistant Professor and Research
Development & Innovation
Coordinator



Prof. (Dr.) Aditi Nag, Assistant Professor and
Research Development & Innovation
Coordinator at BIBT, has co-authored a
groundbreaking paper titled "Exploring Dual
Applications of Gliptins: A Potential Host-
Targeted Strategy for Diabetes and COVID-19
Co-Morbidity." Published in the esteemed
Journal of Medical Hypotheses, this research
is co-authored by Ms. Yash Priya Baid and
Ms. Mittali Tyagi.

Exclusive Updates on Industrial Biotech Training!



Shivam Sharma, PhD scholar, Banasthali Vidyapeeth and Dr. Bishambhar Bhola, IT professor, GIET University, Gunupur, Odisha, receiving their IBT certificate from their mentor, Dr. Parul Chowdhury.

Outreach Activities

A Visit from a PhD Scholar from EAWAG, Switzerland



Kayla Coppens, a PhD scholar from EAWAG, Switzerland, visited the vermifiltration units installed at the campus. The visit was facilitated by our Research Assistants — Amanpreet Kaur, Rishita Parihar, and Anushka Shukla, who provided an insightful tour and overview of the ongoing work.

National Science Day Celebration



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



NATIONAL SCIENCE DAY 2025: AANDHI VILLAGE

A day of curiosity, learning and inspiration at Mahatma Gandhi Senior Secondary School, Aandhi!

We celebrated National Science Day 2025 at Aandhi Village. Government Senior Secondary School, Aandhi and the Young Indians Yi Jaipur Team conducted an interactive session on road safety, health, and personal well-being—empowering students not only as future scientists but as responsible citizens.



40 students from BES Institute of Pharmacy, Raigad, Maharashtra visited BIBT



We had the privilege of hosting 40 students and 4 faculty members from BES Institute of Pharmacy, Raigad, Maharashtra. During their visit, students explored our laboratories and expressed interest in our IBT courses. The students also visited our Dr. B. Lal Clinical Laboratory along with an insightful tour of the CIRD facility within the central lab. Students also visited the Prakrit Foundation, where they learned about various sustainability initiatives undertaken by the foundation.



Placements 2025



Tanisha Gera
B.Sc. (Batch 2022-25) got placed
at Top Crew Aviation as a
Counsellor.



Sneha Sharma
B.Sc. (Batch 2022-25) got placed
at Top Crew Aviation as a
Counsellor.



Anurag Sharma
B.Sc. (Batch 2022-25) got placed
at AGS Health as a
Medical Coder.



Jayant Vajpayee

B.Sc. (Batch 2022-25) got placed at the Prakrit Foundation as an Intern.



Vishwas Agarwal

B.Sc. (Batch 2022-25) got placed at the Prakrit Foundation as an Intern.



Drishti Pathak

B.Sc. (Batch 2022-25) got placed at the Prakrit Foundation as an Intern.



Aarju Choudhary
M.Sc. (Batch 2023-25) got placed
at Ayushraj as a
Junior Chemist.



Shashank Gautam
M.Sc. (Batch 2023-25) got placed
at Suugam as a
Data Analyst.



Ayushi Srivastava
M.Sc. (Batch 2023-25) got placed
at Kanha as
Food Quality Officer.



Kiran Yadav

M.Sc. (Batch 2023-25) got placed
at the Prakrit Foundation as a
Trainee.



Ashish Yadav

M.Sc. (Batch 2023-25) got placed
at Ayushraj as a
Junior Chemist.

Upcoming Events

Ideas for Future Hackathon - Innovate, Inspire, Impact!

Dr. B. Lal Institute of Biotechnology
Vatsalya Society
unicef for every child

IDEAS FOR FUTURE HACKATHON
FOR YOUTH OF RAJASTHAN (14-28 YEARS)

THEMES:

- ENERGY EFFICIENT INFRASTRUCTURE
ENERGY & TECH
- WATER CONSERVATION
WATER & TECH
- WASTE MANAGEMENT
WASTE & TECH

17TH
APRIL 2025

DR. B. LAL INSTITUTE OF BIOTECHNOLOGY

TOP 100 CANDIDATES
WILL BE SHORTLISTED FOR
THE FINAL OFFLINE HACKATHON!

TOP 20 IDEAS
WILL BE AWARDED

**ALL PRIZE WORTH
INR 1.25 LAKH***
IN FORM OF REWARD, INCUBATION AND MENTORSHIP

Supporting Partners
YI Young Indians
Social Media Partner
VIESTORIES

“Ideas for Future Hackathon – Innovate, Inspire, Impact!” Calling all young innovators of Rajasthan! UNICEF Rajasthan, Vatsalya Society and Dr. B. Lal Institute of Biotechnology in collaboration with UNICEF Rajasthan, Rajasthan Education Department, and Vatsalya Society is organising "Ideas for Future Hackathon" – a platform where your innovation meets opportunity on 17th April 2025 at Dr. B. Lal Institute of Biotechnology.

Blog of the Month!

Best Medical Courses Without NEET: High-Paying Career Option

For students aspiring to pursue a medical career but not appearing for the NEET exam, several alternative courses can lead to rewarding, high-paying jobs in the healthcare industry. While NEET is the standard entrance test for medical degrees like MBBS, various other medical courses do not require NEET scores and still provide ample career opportunities in India. These courses offer specialization in fields such as biotechnology, nursing, and pharmacy, among others. Let's explore the top options available for students who wish to enter the medical field without taking NEET. (Scan the QR code to Read More)



Festivities at BIBT!



Welcome to the BIBT Family



Ms. Pooja Sen
Admissions Executive



Ms. Sakshi Patel
Research Associate



Ms. Nimisha Singh
Research Assistant



Ms. Sakshi Upadhyay
Research Assistant

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

For media queries, please contact: media@drblal.com / communications@drblal.com

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6-E, Malviya Nagar Industrial Area
Malviya Nagar, Jaipur, Rajasthan



+91 98290 38177



www.blalbiotech.com