

Institutional Biotech Hub (IBT Hub) is an initiative of Department of Biotechnology (DBT),Govt. of India with a view to promote research and for development of skilled and trained manpower. The IBT Hub at Bahona College was established in the year 2013. Since then Biotech Hub has been conducting training programs, workshops, seminars/webinars and outreach programs through offline and online mode in basic areas of Biotechnology and thus contributing to the growth of trained manpower and biotechnology in the region.

From Principal's Desk

readers, it is with great pleasure to address

you today from the Principal's desk of our

esteemed Biotech hub. As we navigate the

ever-evolving landscape of scientific

discovery, this publication serves as a

beacon of knowledge, illuminating the

remarkable achievements and ongoing

endeavors within our Biotech hub. I

encourage you to delve into the pages of

this edition, to explore, to learn, and to be

inspired by the remarkable work unfolding

within our Biotech hub.



Dr. Sumbit Chaliha Principal Bahona College

Dear, Bio- Buzz Bulletin

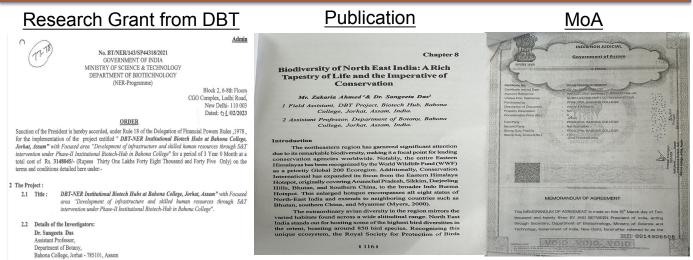
Dr. Sangeeta Das Coordinator Inst. Biotech Hub, Bahona College

From Coordinator's Desk

t truly gives us tremendous

joy to present before you all the 3rd volume of this news bulletin "Bio-Buzz" of Institutional Biotech-Hub. In the previous year, the Hub received a research grant of Rs. 3148045.00 from DBT under Phase-II project for 3 years and a number of programs were carried out under that project in the academic year 2023-24. I appreciate our Principal Sir's insightful counsel and direction in this regard. I sincerely hope that this hub will carry on and support high-caliber research projects in the days ahead.

OUTCOMES



News Bulletin of Institutional Biotech Hub, Bahona College, Jorhat, Assam, India

	OUTREACH PROGRAMS					
SI. No	Title	Duration & Date	No. of Participants	Participant Categories		
1	DBT funded outreach program on "Mushroom Cultivation"at Bahona Girl's High School, Jorhat, Assam	2 Days 28 th to 29 th September, 2023	101	School students and Teachers		
2	DBT funded outreach program on "Apiculture" at Charigaon Girl's High School, Jorhat, Assam	2 Days 16 th to 17 th October, 2023	78	School Students And Teachers		
	TRA	INING PROG	RAMS			
SI. No	Title	Duration & Date	No. of Participants	Participant Categories		
1	DBT funded Hands- on training Program on "Tools and techniques of microbiology" at Institutional Biotech- Hub, Bahona College, Jorhat, Assam	3 Days 9 th , 10 th and 11 th October 2023	34	UG Students		
2	DBT funded Hands- on training Program on " Bioinformatics" Online Via Google Meet.	5 Days 19 th to 23 rd December, 2023	56	Teachers, Research Scholars And Students.		
3	DBT Funded Training Program On "Basic techniques in Biotechnology: DNA Extraction And visualization Using Agarose Gelelectrophoresis" at Institutional Biotech-Hub, Bahona College, Jorhat, Assam	3 Days 17 th ,18 th and 19 th January 2024	50	UG Students		

ONLINE PROGRAMS					
SI. No	Title	Date	No. of Participants	Participant Categories	
1	Online Lecture 1 On "Entrepreneurship" on "Pharmacist : Role ad- emerging scopes"	31 st October, 2023	119	Students, Research Scholars, Industry Professionals and Teachers	
2	Online Lecture 2 On "Entrepreneurship" on "From lab to landscape : Advancements in Bamboo Tissue Culture technology"	21 st November, 2023	148	College Students, Teachers And Research Scholars across the Globe	
3	Online Lecture 3 On "Entrepreneurship" on "Innovative Business Models: Navigating Disruption in the Digital Age"	28 th December, 2023	112	Students and Teachers	

INHOUSE PROGRAMS

SI. No	Title	Date	No. of Participants	Participant Categories
1	Awareness program on "Good laboratory practices of Microbiology"	16 th June, 2023	32	Students
2	Training Program on "Isolation of Bacteria by Pour plate method"	8 th September, 2023	10	UG students
3	Demonstration and Identification of Laboratory Tools and Equipments	22 nd November, 2023	6	School students and teachers from Kalyani High School

ON GOING STUDENTS' PROJECTS

SI. No.	Title
1	Tissue culture of bamboo and orchid plants for large scale production of plantation stalks
2	Phytochemical and antimicrobial activities of <i>Lawsonia inermis, Syzyzium cumini, Terminalia chebula</i> and <i>Leucas aspera</i> plant extracts from Bahona area against coliform bacteria.
3	Antibacterial activity of <i>Cassia alata</i> leaf extracts on coliforms isolated from Bhogdoi river water.

PHOTO SPEAK



PHOTO SPEAK



INVITED ARTICLE



The Significance of Cultivating an Entrepreneurial Mindset

> Anshuman Goswami Co-Founder & CEO, NE CRAFTERS www.necrafters.com Email: anshumangoswami87@gmail.com

In the fast-paced and ever-evolving landscape of the 21st century, possessing an entrepreneurial mindset is increasingly crucial. More than just a buzzword, it represents a way of thinking and approaching challenges that are vital for success, whether in business, education, or everyday life.

At its core, an entrepreneurial mindset is about embracing innovation, creativity, and risk-taking. It's about seeing opportunities where others see obstacles and being willing to step outside one's comfort zone to pursue them. In a world where change is constant and disruption is the norm, individuals with an entrepreneurial mindset are better equipped to adapt, thrive, and seize new opportunities as they arise.

One of the key aspects of an entrepreneurial mindset is its emphasis on problem-solving. Entrepreneurs are natural problem-solvers, constantly seeking out solutions to the challenges they encounter. This mindset encourages individuals to approach problems with creativity and resourcefulness, finding new and innovative ways to overcome obstacles.

Moreover, an entrepreneurial mindset fosters a culture of resilience and perseverance. Failure is not seen as the end but rather as a learning opportunity, a chance to iterate, adapt, and grow. This resilience is essential in today's world, where success often requires the ability to bounce back from setbacks and keep pushing forward in the face of adversity.

Importantly, an entrepreneurial mindset is not limited to those starting their own businesses. It's a mindset that can benefit individuals in all areas of life, from pursuing career opportunities to tackling personal goals. In an increasingly competitive job market, employers are increasingly seeking out candidates who demonstrate entrepreneurial qualities such as initiative, creativity, and problemsolving ability.

In conclusion, the importance of an entrepreneurial mindset cannot be overstated. In a world that is constantly changing and evolving, individuals who possess this mindset are better equipped to navigate uncertainty, seize opportunities, and create positive change. By fostering an entrepreneurial mindset in ourselves and others, we can unlock our full potential and shape a brighter future for ourselves and for society as a whole.



MISCELLENEOUS

Editorial Board Advisor: Dr. Sumbit Chaliha Chief Editor: Dr. Sangeeta Das Editor: Mr. Zakaria Ahmed Member: Ms Mallika Boruah



News Bulletin of Institutional Biotech Hub, Bahona College, Jorhat, Assam, India

page 6