Sponsored by



# International Conference on

# Biotechnological Applications in Ayurveda and Biomedical Sciences &

Annual Meet of Society for Biotechnologists (India)
(BAAB-2025)

30<sup>th</sup> March – 1<sup>st</sup> April, 2025

Organized by:

Faculty of Allied Health Sciences

Mahayogi Gorakhnath University Gorakhpur

In association with

Society for Biotechnologists India (SBTI)

Aligned with SDGs-3, 4 & 9





VENUE

# MAHAYOGI GORAKHNATH UNIVERSITY GORAKHPUR

Arogya Dham, Balapar Road, Sonbarsa Gorakhpur-273007, Uttar Pradesh

# **About Mahayogi Gorakhnath University Gorakhpur**

Mahayogi Gorakhnath University Gorakhpur was established in the year 2021 to provide multifaceted, multipurpose service and education in the fields of Medical, Ayurveda, Nursing, Allied Health Sciences, Paramedical, Agriculture, Pharmacy, Management and Law, etc. It was inaugurated by then Honorable President of India, Shri Ramnath Kovind Ji, in the esteemed presence of the Honorable Governor, Mrs. Anandiben Patel Ji. The inauguration ceremony was presided over by the Chancellor of Mahayogi Gorakhnath University Gorakhpur, the Honorable Chief Minister of Uttar Pradesh, Gorakshpeethadheeswar Mahant Yogi Adityanath Ji, on 28th August 2021. Equipped state-of-the-art laboratories and research facilities, the university foster a dynamic environment for extra-curricular activities. The Wi-Fi enabled campus integrates advanced technology to enhance learning experiences, with a strong emphasis on students development, the institutions is dedicated in cultivating lifelong learning skills and nurturing competent professionals.

# **About Faculty of Allied Health Sciences**

The Faculty of Allied Health Sciences started in the year 2022 with three core departments: Biotechnology, Biochemistry and Microbiology. Since it's inception the faculty has been offering B.Sc., M.Sc. and Ph.D. programmes in all these disciplines. The B.Sc. programmes are aligned with the National Education Policy-2020 to ensure a modern and structured curriculum. Currently, the faculty consists of twenty-two highly qualified and research driven members. To foster academic excellence, the faculty regularly organizes seminars, symposiums, workshops and conferences ensuring that students and educators stay updated with advancement in medical sciences and biotechnology. Additionally, the faculty has received fundings from DBT, DST & UPCST to support lecture series and past seminar initiatives, further strengthening its commitment to academic and research excellence.

# **About Society for Biotechnologists India (SBTI)**

Founded in 1995 the society for Biotechnologists India (SBTI) is headquartered in the Department of Biotechnology, Cochin University of Science and Technology, Cochin. The society is dedicated to the advancing of biotechnology, by fostering collaboration among scientists, students, academicians, doctors, industrialists and professionals. SBTI actively promotes the exchange of scientific information through workshops, conferences and publications in emerging field of biotechnology. The society has 18 Honorary members, 1,500 life members and around 2,000 ordinary members from diverse areas of biotechnology.

### **About the Conference**

Ayurveda, an ancient Indian system of medicine, has been practiced for thousand of years, emphasizing holistic principles aimed at promoting health and preventing diseases. It encompasses a comprehensive approach, integrating medicinal herbs, dietary practices, lifestyle modifications, and therapeutic techniques. Despite its long-standing history and proven efficacy, Ayurveda has often faced skepticism within the scientific community due to the lack of rigorous scientific validation and standardized methodologies.

Conversely, biomedical research has made remarkable advancements in understanding diseases, developing new drugs, and advancing medical technologies. Biotechnological innovations have transformed healthcare by enabling precise diagnosis, targeted therapies, and personalized medicine.

Recognizing the immense potential for synergy between Ayurveda and biomedical research, there is a growing interest in exploring the scientific foundations of ayurvedic principles and integrating them with modern medical practices. This interest has led to the organization of National & International conferences focusing on biotechnological applications in ayurveda and biomedical research.

# **Conference Objectives**

- To facilitate collaboration and networking among researchers and professionals in the fields of biotechnology, Ayurveda and biomedical sciences.
- To disseminate cutting-edge research findings, innovative methodologies, and novel approaches in biotechnology and Ayurveda to transform healthcare practices.
- To identify and address the challenges and opportunities in integrating biotechnology into ayurveda and biomedical sciences focusing on regulatory, ethical, and commercialization aspects while exploring potential solutions.
- To bridge the gap between traditional Ayurvedic medical practices and modern biotechnological tools to enhance healthcare outcomes.
- To bring together stakeholders from academia, industry, and regulatory bodies to exchange perspectives and discuss policy implications.
- To foster innovation in biotechnological applications within Ayurveda and biomedical sciences.

# Conference Highlights

- **Keynote Addresses**: Explore the potential of biotechnological advancements in Ayurvedic formulations and diagnostics.
- Scientific Sessions: Presentations by leading researchers on diverse topics, including Genomic, Metabolomics, Integrating Systems Biology, Bioinformatic Tools and the role of epigenetics in Ayurveda and biomedical sciences.
- **Panel Discussions**: Engaging discussions featuring experts from academia, industry, and regulatory agencies, focusing on challenges, collaborations, and emerging opportunities in the field.

- Oral Paper Presentation : Best three oral presenters will receive award.
- **Poster Presentations**: A platform for researchers and students to showcase their latest findings. Prizes will be awarded to the top three poster presenters (1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> place).
- Exhibitions: Companies and organizations will showcase their products, technologies, and services related to biotechnology.
- Networking Opportunities: Informal gatherings, networking sessions, and social events to foster interactions and collaborations among participants.

# **Who Should Attend**

- Researchers and academicians specializing in Biomedical Science, Biotechnology, Ayurveda, Agriculture, and Pharmacology.
- Academicians and students interested in advancing their knowledge of biotechnology.
- Pharmaceutical industry professionals involved in drug development and discovery.
- Regulatory authorities and policymakers shaping the future of biotechnological applications in experimental design to enhance healthcare.
- Representatives from funding agencies supporting research on Ayurveda and its biotechnological applications.

Join us at the International Conference on "Biotechnological Applications in Ayurveda and Biomedical Sciences (BAAB-2025)" and engage with a dynamic knowledge-driven community dedicated to harnessing the potential of biotechnology in the experimental design of Ayurveda and Biomedical Sciences.

# PROGRAMME SCHEDULE

		30-3-2025)		
8:30 - 10:00AM	Welcome and Registration of Participants and Speakers			
Opening Ceremony and Keynote Address				
10:30 – 12:00PM Venue:	Welcome Address	Prof. (Dr.) Sunil Kumar, Convener		
venue: Panchakarma Auditorium		Dean, Faculty of Allied Health Sciences, Mahayogi Gorakhnath University Gorakhpur		
	Special Guest	Prof. (Dr.) Edathil Vijayan, President, SBTI		
	Distinguished Guest	Prof. (Dr.) Chanchai Boonla		
		Professor, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand		
	Guest of Honour	Prof. (Dr.) Subhash C. Lakhotia		
		Emeritus Professor, Dept. of Zoology, Banaras Hindu University, Varanasi		
	Chief Guest	<b>Prof.</b> ( <b>Dr.</b> ) <b>Balram Bhargava</b> , Professor of Cardiology, AllMS, New Delhi, Former Director General, ICMR; President, National Academy of Sciences, India		
	President	Prof. (Dr.) Surinder Singh, Vice-Chancellor		
		Mahayogi Gorakhnath University Gorakhpur		
	Vote of Thanks	Dr. Amit Kumar Dubey, Organizing Secretary		
12:00 - 12:20 PM	TEA			
12:20 – 1:10 PM	Keynote Address: My Tryst with Ayurvedic	Prof. (Dr.) Subhash C Lakhotia	12:20-1:10 PM	
Venue: Panchakarma	Biology & Lessons Learnt	FNA; FASc; FNASc. Emeritus Professor, Dept. of Zoology,		
Auditorium		Banaras Hindu University, Varanasi		
1:10 - 2:00 PM	LUNCH			
		al Session 1		
		r. Ramwant Gupta • Rapporteur: Dr. Ankita Mishra		
2:00 - 4:20 PM Venue :	Lecture 1: HydroZitLa: Phenolic profile and medical benefits for inhibiting calcium oxalate	Prof. (Dr.) Chanchai Boonla Faculty of Medicine, Department of	2:00-2:35 PM	
Panchakarma	stone formation, decelerating aging process	Biochemistry, Chulalongkorn University,		
Auditorium	and extending lifespan.	Bangkok, Thailand		
	Lecture 2: The Science behind personalized	Dr. Sumadee De Silva, Senior Lecturer, Institute of	2:35-3:10 PM	
	medicine	Biochemistry, Molecular Biology & Biotechnology University of Colombo, Sri Lanka		
	Lecture 3: Gap management between Ayurveda	Prof. (Dr.) Janardan Lamichhane	3:10 - 3:45 PM	
	and Medicinal plant research: A	Dean, Department of Biotechnology,		
	journey required for better healthcare system	Kathmandu University, Nepal	0.45 4.00 514	
	Lecture 4: Gut microbiome and gut health:  Bacillus amyloliquefaciens is the new probiotic	Prof. (Dr.) Sarita G Bhat, Professor & Head Dept. of Biotechnology, Cochin University of	3:45 - 4:20 PM	
	on the block	Science & Technology, Cochin		
4:20 - 4:30 PM	TEA			
	Technical Session 2			
4.00 0.00 014	Chair: Prof. (Dr.) Edathil Vijayan • Co-Chair: Dr. Rajiv Singh • Rapporteur: Dr. Pawan Kumar Kannaujia			
4:30 – 6:00 PM	SBTI Awards for Young Researchers Presentations • Venue : Panchakarma Auditorium			
	Oral Presentation • Venue: Ayurveda building Room no-20			
6.00 7.00 554	Poster Presentation  Meeting of the Society for Biotechnologist India (SBTI) • Venue: Panchakarma Auditorium			
6:00 - 7:00 PM		dia (SBTI) • Venue: Panchakarma Auditorium (31-3-2025)		
8:00 - 9:00 AM	Welcome and Registration of Participants and			
8:00 - 9:00 AM	BREAKFAST	эреаксіз		
3.00 - 3.00 AIVI		al Session 3		
Chair:		(Dr.) Anil Kumar Dwivedi • Rapporteur: Dr. Abaidyanath S	Singh	
9:00 - 11:00 AM	Role of Ayurveda in Health and Longevity	Prof. (Dr.) Ramesh Sharma, FNASc., Former Head,	9:00-9:40AM	
Venue: Panchakarma		& Dean, School of Life Sciences NEHU, Shillong.		
Auditorium	Lecture 5: Infidel cDNA synthesis by HIV-1RT and drug resistance development in HIV-1	Prof. (Dr.) Bechan Sharma Professor & Head, Department of Biochemistry,	9:40-10:20AM	
	and drag resistance development in niv-1	Dean, Faculty of Science, University of Allahabad		
	Lecture 6: Integration of Science and Ayurveda	Prof. (Dr.) Yamini Bhusan Tripathi, Ex Dean Faculty	10:20-11:00AM	
	towards Management of Metabolic Syndrome	of Ayurveda, Department of Medicinal Chemistry		
11.00 11.15 614	(MS)	Banaras Hindu University, Varanasi		
11:00 - 11:15 AM	ICA			

	Technical S	ession 4 (Online)		
		ir: Dr. Brij Ranjan Mishra • Rapporteur: Dr. K K Yadav		
11:15 –1:15 AM Venue: Panchakarma Auditorium	Lecture 7: Genes, Nanoparticles, and T-Cells Therapy: Transforming Treatment Approaches	Dr. Mukesh Pratap Yadav Department of Diagnostic Radiology and Nuclear Medicine, University of Maryland School of Medicine, Baltimore, Maryland, USA	11:15-11:45PM	
	Lecture 8: Mechanisms of Aristolochic acid I (AAI) induced proximal tubule cell injury	Dr. Rohit Upadhyay Senior Scientist Tulane School of Medicine - Medicine: Nephrology & Hypertension, New Orleans, USA	11:45-12:15 PN	
	Lecture 9: Harmonizing Ancient Wisdom with Modern Science: Bridging Ayurveda and Biotechnological Advances in Medicine	Dr. Vivek Mourya, Department of Orthopedic Surgery, Regenerative Orthopedics Medicine Hallym University Sacred Heart Hospital, Anyang-Si, Republic of Korea	12:15-12:45 PM	
4.45 0.00 PM	Lecture 10: Cytokinin response and sensing in fungi	<b>Dr. Gautam Anand,</b> Scientist, Agriculture Research Organizati <mark>on, Israel</mark>	12:45-1:15 PM	
1:15 – 2:00 PM	LUNCH	-I Caradan F		
		al Session 5 Dr. Gaurav Raj • Rapporteur: Dr. Prerana Aditi		
2:00 – 3:45 PM Venue: Panchakarma Auditorium	Lecture 11: Toxicogenomic profiling of Hypothalamo-Pituitary-gonadal axis genes in the catfish Heteropneustesfossilis under exposure to pentachlorophenol	Prof. (Dr.) Radha Chaubey Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi	2:00-2:35PM	
	Lecture 12: Computational Drug Discovery for Combating Antimicrobial Resistance in ESKAPE Pathogens	<b>Dr. Sinosh Skariyachan</b> Department of Microbiology, St. Pius X College Rajapuram, Kasaragod, Kerala	2:35-3:10 PM	
	Lecture 13: Emerging Roles of Hippo Signaling in Heart Failure and Therapeutic Opportunities	<b>Dr. Manvendra Singh</b> DUKE-NUS Medical School, Singapore	3:10-3:45 PM	
3:45 – 4:00 PM	HIGH TEA			
		al Session 6 Dr. Raj Kumar • Rapporteur: Dr. Rashmi Shahi		
4:00 – 4:30 PM Venue: Panchakarma Auditorium	Lecture 14: The endocannabinoid system and its therapeutic exploitation.(Online Session)	Dr. Hemant Bid Professor, Saint Louis University Ohio, USA		
5:00 – 7:30 PM Venue: Panchakarma Auditorium		Cultural Programme		
Day 3 (01-4-2025)				
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8:00 - 9:00 AM	Welcome and Registration of Participants and	<u> </u>		
8:00 - 9:00 AM 8:00 - 9:00 AM	Welcome and Registration of Participants and BREAKFAST	Speakers		
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9:00 - 11:20 AM Venue:	Welcome and Registration of Participants and BREAKFAST  Technic Chair: Prof. (Dr.) Rajarshi Gaur • Co-Chair Lecture 15: Protection of innovations in the	Speakers  al Session 7 Dr. Anju TR • Rapporteur: Dr. Kiran Kumar A  Dr. Kanika Malik, Senior Principal Scientist Deputy Head, HRD, Training, Jigyasa & KAMP,	9:00-9:35 AM 9:35-10:10 AM	
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#### • Ms. Shristi Yaduvanshi

Tutor

Faculty of Allied Health Sciences

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Vice President : Prof. Dr. Sarita G Bhat

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Treasurer : Dr. Ajith Vengallur

Joint Secretary : Dr. Pradeep M.

Joint Treasurer : Dr. Naijil George

# **Registration Fee Details**

Category for the Registration Fee	Early Registration (15 <sup>th</sup> April 2024 to 31 <sup>st</sup> January 2025)	Late Registration (31 <sup>st</sup> January 2025 to 28 <sup>th</sup> February 2025)	On Spot Registration
International delegates	₹5000	₹7000	₹10000
Faculty/Scientists/Industry Persons	₹ 2500	₹3000	₹ 4000
Research Scholar/PhD Students	₹2000	₹2500	₹3000
UG and PG Students	₹1000	₹ 1500	₹2000

<sup>\*</sup>The maximum No of delegates is limited to 200. Registration will be on a first come first serve basis.

#### Online Link for Registration: http://regn.mgug.ac.in/

Start date of registration
 : 15<sup>th</sup>April 2024

Last date of registration and abstract submission : 31<sup>st</sup> Jan. 2025

Acceptance of abstract submission : 15<sup>th</sup> Feb. 2025

Full-length paper submission : 28<sup>th</sup> Feb. 2025

Acceptance of full-length paper
 7<sup>th</sup> Mar 2025

# **Awards By SBTI\***

#### **SBTI Life Time Achievement and Oration Awards**

- Padma Bhushan Professor M. V. Pylee: Life Time Achievment Award
- Dr. C. S. Paulose Memorial Oration: Oration Award

## **SBTI Awards for Young Researchers**

 KAPL Award: For best oral research presentation in Industrial Biotechnology

<sup>\*</sup> Fooding & Loding for delegates is included in Registration Fee

- **IBS Award**: For best oral research paper presentation in Medical Biotechnology/Software Tech. in Medicine
- **Shri. C. V. Jacob Award :** For best oral research paper presentation in plant Biotechnology/Spices
- Shri. K. N. Narasimhiah Award: For best oral research paper presentation in cancer biology
- Kunnath Pharmaceuticals Award : For best oral research paper presentation in Herbal medicine and disease management.
- Prof. Edathil Vijayan Award: For best oral research paper presentation in Neuroscience/Neuroendocrinology.

\*Only members of SBTI can apply for SBTI awards category.

	₹2,500/- (Life Membership)
SBTI Membership Fee	₹500/- (Ordinary Membership)
	₹250/- (Student Membership)

To apply for SBTI membership please visit:https://sbtigene.org/membership/

## **Oral/Poster Presentation Award**

Three best oral/Poster presentation awards will be given based on quality of research paper and presentation.

• **First Prize** : ₹5,000/- & Certificate with a memento.

• Second Prize : ₹3,000/- & Certificate with a memento.

• Third Prize : ₹2,000/- & Certificate with a memento.





# MAHAYOGI GORAKHNATH UNIVERSITY GORAKHPUR





# COURSES

Medical Faculty/Health Science

M.B.B.S. | B.A.M.S.

Pharmacy

B.Pharm (Allopathy) | D.Pharm (Allopathy)

B.Pharm Lateral Entry (2nd year)

Paramedical Courses

Diploma in Lab Technician | Diploma in Optometry
Diploma in Anaesthesia and Critical Care Technician

Diploma in Orthopedic and Plaster Technician

Diploma in Emergency and Trauma care Technician

Diploma in Dialysis Technician

Nursing

ANM | GNM | Post Basic B.<mark>Sc. Nursing</mark>

Basic B.Sc. Nursing | M.Sc. Nursing

Allied Health Science

B.Sc. Biotechnology | B.Sc. Biochemistry

B.Sc. Microbiology | B.Sc. Medical Biochemistry

B.Sc. Medical Microbiology | M.Sc. Biotechnology

M.Sc. Medical Biochemistry | M.Sc. Medical Microbiology

M.Sc. Biochemistry | M.Sc. Microbiology

**Agriculture** 

B.Sc. (H) Agriculture

Ph.D.

Ayurveda | Biotechnology | Biochemistry

Microbiology | Medical Biochemistry

Medical Microbiology | Agriculture | Pharmacy

Management

**BBA (Hons) Logistics** 

**Please Check University Website for More Information** 



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