

FIRST NOTIFICATION

## INTERNATIONAL CONFERENCE

on

### “Biotechnological Applications in Ayurveda and Biomedical Sciences”

(BAAB-2024)

20–22 December 2024

Organized by:

Faculty of Allied Health Sciences  
Mahayogi Gorakhnath University Gorakhpur

In association with  
Society for Biotechnologist India (SBTI)



Venue

Mahayogi Gorakhnath University Gorakhpur  
Arogya Dham, Balapar Road, Sonbarsa,  
Gorakhpur-273007, Uttar Pradesh

### »» Mahayogi Gorakhnath University Gorakhpur:

Mahayogi Gorakhnath University Gorakhpur is established in the year 2021 to provide multifaceted, multipurpose service and education in the field of Medical, Ayurveda, Nursing, Allied Health Sciences, Paramedical, Agriculture, Pharmacy, Management and Law, etc. It was inaugurated by the Honorable President of India, Shri Ramnath Kovind Ji, in the gracious presence of the Honorable Governor, Mrs. Anandiben Patel Ji, as a distinguished guest. 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. The university has state-of-the-art laboratories and research facilities and an excellent ecosystem for extra-curricular activities. The campus is Wi-Fi enabled which uses advanced technology to impart education. It is established to support and develop students in such a way that they gain lifelong learning skills and become competent professionals.

### »» Faculty of Allied Health Sciences:

The Faculty of Allied Health Sciences started in the year 2022 with three departments, i.e. Biotechnology, Biochemistry and Microbiology. The Faculty of Allied Health Sciences is offering B.Sc., M.Sc. and Ph.D. programs in all three departments since its establishment. The B.Sc. programs in all three disciplines are run as per National Education Policy-2020. Currently, there are fifteen faculty members in the Faculty of Allied Health Sciences. All the faculty members are highly qualified and research oriented. The Faculty of Allied Health Sciences organizes seminars, symposiums, workshops and conferences on a regular basis which keeps the students and faculty members of its updated in their own area of medical sciences and biotechnology. The department has received funds from DBT, DST & UPCST to conduct lecture series and seminar in past.

### »» About Society for Biotechnologists India (SBTI):

SBTI was established in 1995 with its headquarters in the Department of Biotechnology, Cochin University of Science and Technology, Cochin. The society is dedicated to the advancement of biotechnology, especially to unite scientists, students, academicians, doctors, industrialists and professionals. The society promotes the exchange of scientific information through workshops, conferences and publications in the emerging areas of biotechnology. The society has 18 Honorary members, 1,500 life members and around 2,000 ordinary members from various fields of biotechnology.

### »» About the Conference:

Ayurveda, the ancient Indian system of medicine, has been practiced for thousands of years and is based on holistic principles aimed at promoting health and preventing diseases. It encompasses a comprehensive understanding of the human body, medicinal herbs, dietary practices, lifestyle recommendations, and therapeutic techniques. Despite its longstanding history and proven efficacy, ayurveda has often faced skepticism from the scientific community due to the lack of rigorous scientific validation and standardization of its practices.

On the other hand, biomedical research has made significant strides in understanding diseases, developing new drugs, and advancing medical technologies. Biotechnological tools and techniques have revolutionized healthcare by enabling precise diagnosis, targeted therapies, and personalized medicine.

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

### Conference Objectives :

- ◆ To facilitate collaboration and networking among researchers and professionals working in the field of biotechnology, ayurveda and biomedical sciences.
- ◆ To disseminate cutting-edge research findings, innovative methodologies, and novel approaches in biotechnology and ayurveda to revolutionize healthcare practices.
- ◆ To identify and discuss the challenges and opportunities in integrating biotechnology in ayurveda and biomedical sciences concerning addressing regulatory, ethical, and commercialization issues and explore potential solutions.
- ◆ To bridge the gap between traditional ayurvedic practices and modern biotechnology to improve healthcare outcomes.
- ◆ To bring together stakeholders from academia, industry, and regulatory bodies to exchange perspectives and discuss policy implications.
- ◆ To foster innovation in the field of biotechnological applications in ayurveda and biomedical sciences.

### Conference Highlights:

- ◆ **Keynote Addresses:** Highlight the potential of biotechnological applications in Ayurvedic formulations and diagnostics.
- ◆ **Scientific Sessions:** Presentations by renowned researchers on various topics, including Genomic, Metabolomics, Integrating Systems Biology, Bioinformatic Tools and role of epigenetics in ayurveda and biomedical sciences.
- ◆ **Panel Discussions:** Interactive discussions involving experts from academia, industry, and regulatory agencies to address challenges, collaborations, and opportunities in the field.

- ◆ **Oral Paper Presentation:** Best three oral presenters will be awarded.
- ◆ **Poster Presentations:** A platform for researchers and students to showcase their latest findings. Three prizes (first, second and third) will be given to the best poster presenters.
- ◆ **Exhibitions:** Companies and organizations display their products, technologies, and services related to biotechnology.
- ◆ **Networking Opportunities:** Informal gatherings, networking sessions, and social events to facilitate interactions and collaborations among attendees.

### Who Should Attend:

- ◆ Researchers and academicians working in the fields of Biomedical Science, Biological Sciences, Biotechnology, Ayurveda, Agriculture, and Pharmacology.
- ◆ Academicians and students interested in advancing their knowledge about biotechnology.
- ◆ Pharmaceutical industry professionals involved in drug development and discovery.
- ◆ Regulatory authorities and policymakers shaping the landscape of biotechnological application in experimental design to boost healthcare.
- ◆ Representatives from funding agencies supporting research in ayurveda based on various applications of biotechnology.

Join us at the International Conference on “Biotechnological Applications in Ayurveda and Biomedical Sciences (BAAB-2024)” and be a part of dynamic knowledge-driven community dedicated to harnessing the potential of biotechnology in the experimental design of Ayurveda and Biomedical Sciences.

## PROGRAMME SCHEDULE

DAY-1 (20 Dec. 2024)

### Keynote Address:

#### Integrating Biomedical Science and Ayurveda for Holistic Healthcare

#### Session 1: Bridging the Gap between Modern Medicine and Ayurveda

- ◆ Comparative studies on the efficacy of Ayurvedic and allopathic treatments.
- ◆ Integrative approaches in patient care: case studies and best practices.
- ◆ Case studies highlight successful biotechnological applications in Ayurveda and biomedical research.
- ◆ Case studies of biomedical inventions derived from Ayurvedic principles in drug discovery and development.

#### Session 2: Advances in Biomedical Research

- ◆ Cutting-edge Technologies in drug discovery and development.
- ◆ Precision medicine: personalized healthcare approaches based on genetics and biomarkers.

DAY-2 (21 Dec. 2024)

#### Session 3: Exploring Ayurvedic Principles and Practices

- ◆ Understanding Ayurvedic pharmacology and formulations.
- ◆ Ayurvedic lifestyle interventions for disease prevention and management.

#### Session 4: Herbal Medicine and Natural Products in Biomedical Research

- ◆ Identification and characterization of bioactive compounds from medicinal plants.
- ◆ Safety and efficacy assessments of herbal remedies: challenges and opportunities.

### Session 5: Integrative Approaches in Chronic Disease Management

- ◆ Ayurveda and modern medicine in managing chronic conditions like diabetes, and cardiovascular diseases.
- ◆ Role of lifestyle modifications, diet, and stress management.

DAY-3 (22 Dec. 2024)

### Session 6: Translational Research and Clinical Trials

- ◆ Translating traditional knowledge into evidence-based healthcare interventions.
- ◆ Designing and conducting clinical trials for Ayurvedic treatments: Methodologies and ethical consideration

### Session 7: Future Directions and Collaborations

- ◆ Opportunities for interdisciplinary research and collaboration between biomedical scientists and Ayurvedic practitioners.
- ◆ Policy implications and regulatory frameworks for integrating Ayurveda into mainstream healthcare.
- ◆ Future prospects and challenges in biotechnological applications for Ayurveda and biomedical research.



## Organizing Committee

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Vice Chancellor, Mahayogi Gorakhnath University Gorakhpur

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United Kingdom

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United Kingdom

**Prof. Richard Prezios**

United Kingdom

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**Mrs. Rashmi Jha**

Tutor  
Faculty of Allied Health Sciences

**Ms. Shristi Yaduvanshi**

Tutor  
Faculty of Allied Health Sciences

## SBTI OFFICE BEARERS:

- ◆ President: Prof. Dr. Edathil Vijayan
- ◆ Vice President: Prof. Dr. Sarita G Bhat
- ◆ Secretary: Dr. Anju T. R.
- ◆ Treasurer: Dr. Ajith Vengallur
- ◆ Joint Secretary: Dr. Pradeep M
- ◆ Joint Treasurer: Dr. Najil George

## REGISTRATION FEE DETAILS:

Category for the Registration Fee	Early Registration (15 <sup>th</sup> April 2024 to 15 <sup>th</sup> June 2024)	Late Registration (16 <sup>th</sup> June 2024 to 15 <sup>th</sup> July 2024)	On-the-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

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

\* Fooding & Lodging for delegates is included in Registration Fee

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

- ◆ Start date of registration : 15<sup>th</sup> April 2024
- ◆ Last date of abstract submission : 15<sup>th</sup> July 2024
- ◆ Acceptance of abstract submission : 31<sup>st</sup> July 2024
- ◆ Full-length paper submission : 15<sup>th</sup> August 2024
- ◆ Acceptance of full-length paper : 31<sup>st</sup> August 2024

## AWARDS BY SBTI\*

### SBTI Life Time Achievement and Oration Awards

**Padma Bhushan Professor M. V. Pylee**

Life Time Achievement Award

**Dr. C. S. Paulose Memorial Oration:**

Oration Award

### SBTI Awards for Young Researchers

**KAPL Award**

For best oral research presentation in Industrial Biotechnology

### 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.

**SBTI Membership Fee** : ₹2,500/- (Life Membership)  
: ₹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.



## Courses offered by MGUG

### B.Sc. (Hons/Research)

- ◆ Biotechnology
- ◆ Biochemistry
- ◆ Microbiology
- ◆ Medical Biochemistry
- ◆ Medical Microbiology

### M.Sc.

- ◆ Biotechnology
- ◆ Medical Biochemistry
- ◆ Medical Microbiology
- ◆ Biochemistry
- ◆ Microbiology

### Ph.D.

- ◆ Ayurveda
- ◆ Biotechnology
- ◆ Biochemistry
- ◆ Microbiology
- ◆ Medical Biochemistry
- ◆ Medical Microbiology
- ◆ Agriculture
- ◆ Pharmacy

- ◆ D. Pharm. (Allopathy)
- ◆ B. Pharm. (Allopathy)
- ◆ B. Pharm. lateral entry (2nd year)
- ◆ B.Sc. (Hons) Agriculture
- ◆ ANM
- ◆ GNM
- ◆ Basic B.Sc. Nursing
- ◆ Post Basic B.Sc. Nursing
- ◆ M. Sc. Nursing
- ◆ 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
- ◆ BBA (Hons) Logistics

