

About National Seminar...

A Microbiome is the community of microorganisms living together in a particular habitat. Humans, animals and plants have their own unique microbiomes. Even soils, freezing lakes, thermal vents deep within the oceans have their own microbiomes. Microbes have managed to survive and thrive in the most inhospitable of conditions. Unsurprisingly, luxurious abode of human body is chockablock with microbial life.

Current advance techniques have explored the diversity and importance of microbiota. Imbalance in the microbiota (dysbiosis) is linked with number of pathologies, such as Crohn's disease, inflammatory bowels disease, cancer and many others. Recent times have seen vast leaps in modern technologies that allow us in-depth understanding of life-threatening diseases. Similarly, management of beneficial microbiomes can be explored to save soil, promote plant health and ecological restoration.

During World Microbiome day, all of these microbiomes are discussed as a vibrant and complex area of study that deserves recognition and attention. This year, the theme of the event is "Sustainability", focusing the debate on how microbes can contribute to a sustainable future.

National Seminar gives an insight to:

- ✓ Gut Microbiota for human metabolic health and disease
- ✓ Benefits of pre / probiotic fermented foods
- ✓ Microbiome and innate immunity
- ✓ Microbiome and malnutrition
- ✓ Pollutants effect on microbiome
- ✓ Biofortification of cereals for nutrition
- ✓ Engineering microbiomes for sustainable crop productivity
- ✓ Advance methods in microbiome research

Chief Patron Patrons

: Prof. D. Ravinder
: Prof. P. Laxminarayana
: Prof. B. Reddy Naik
: Prof. G. Mallesham

Dean, Faculty of Science Principal Chairman

: Prof. A. Bala Kishan
: Prof. B. Veeraiah
: Prof. B. Bhima

Convener

: Dr. Hameeda Bee

Co-Convener

: Dr. Sandeepa Burgula

Organizing Team

: Mrs. Shanti Kumari Kuthadi
: Dr. Rama Krishna Kancha
: Dr. Sandhya Annamaneni
: Dr. Nageswara Rao Amanchi

List of Speakers...

1. **Dr. Rupjyoti Talukdar**, Director and Head, Microbiome Div. Clinical Pancreatologist (Fellowship, Mayo Clinic, Rochester, USA) Asian Institute of Gastroenterology, Hyderabad, Telangana
2. **Dr. Gautam Das**, Co-Founder and Managing Partner miBiome Therapeutics, Mumbai, Maharashtra
3. **Dr. Mukesh Pasupuleti**, Principal Scientist CDRI, Lucknow, Uttar Pradesh
4. **Dr. P.R. Meganathan**, Scientist CSIR-NEERI, Hyderabad, Telangana
5. **Dr. KRK Reddy**, Managing Director Sri BioAesthetics, Pvt.Ltd , Telangana
6. **Dr. Hitendra Kumar Patel**, Principal Scientist CSIR-CCMB, Hyderabad, Telangana
7. **Dr. Ritu Sharma**, Post-Doctoral Research Associate NIN, Hyderabad, Telangana
8. **Dr. SurendraK Chikara**, Founder and CEO Bione Bengaluru, Karnataka

Advisory Committee...

Prof. H. Polasa	Dr. K. Rajender Rao
Prof. Gitasharma	Dr. H. Surekha Rani
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Prof. M. Madhavi	Dr. B. Kiran Kumar
	Dr. G. Vijay Kumar
	Dr. M. Y. Khan

World
Microbiome
Day
27th June 2022



National Seminar on

"Ascent of Microbiome Research for Nutrition and Health"



Organized by:
Department of Microbiology
Osmania University, Hyderabad, Telangana

Convener:
Dr. Hameeda Bee (Joint Director, CMFT)
Contact: drhami2009@gmail.com , 7702127227

About Osmania University



Osmania University is named after its founder, Nawab Osman Ali Khan, the seventh Nizam of Hyderabad who rather through a farman or Royal Charter, brought the University into existence in 1918. It is the seventh oldest in the Country and third oldest in South India. Though the need for the University for the Hyderabad State was felt, both by the intelligentsia and the people for a long time, the initiative came from Sir Akbar Hydari, the Education Minister in early 1917, who emphasized the need to establish a University at Hyderabad with 'Urdu' as the medium of instruction and English as compulsory subject.

The University has a vision of developing, enhancing, and improving the quality of human resources to meet the challenges of regional, national and global socio-economic changes. It's mission is to achieve excellence in teaching and research and to create opportunities for the students to contribute to the national and regional development. Alumni of 100+ years old Osmania University have distinguished themselves at the national and international levels.

University College of Science



Of all the colleges, the University College of Science (UCS) has earned a pride of place in the whole of the University, and has always been in the forefront whether in terms of size of faculty, strength of students, quality of research, academic reputation or administrative excellence. The College has the distinction of being the oldest and the biggest in the entire University and its fourteen departments are spread over a large part of the University's main campus.

Department of Microbiology

Microbiology is a relatively new Branch of Biology though it has been practiced as an art since ages. The Department of Microbiology was established in 1974 as an independent University department recognized by the UGC at Osmania University, Hyderabad and has become the first ever among south Indian universities to offer M.Sc. Microbiology. The department offers M.Sc. and Ph.D. programmes in Microbiology. Students are admitted through a common entrance exam conducted by the university. International students from countries like Iraq, Iran, Ethiopia, Somalia, Nigeria, Jordan, Yemen, UAE Indonesia and Nepal are some of our alumni.



The department has made significant contributions in terms of academic standards as evidenced by placement of students and research funding to the faculty. The alumni of this department are placed in highest positions in various international and national research institutes, pharma companies, medical industries and universities. Some of such institutes are NIH USA, St Jude Children's Hospital USA, Oklahoma University USA, Monsanto USA, NIN, CCMB, ICT, Reddy labs, CDFD, AIIMS, DRDO, Biological E, Unisankyo, Indian Immunologicals etc.

The Department of Microbiology under RUSA 2.0 has set up a Centre for Microbial and Fermentation technology. The faculty, scholars and alumni of this department have published more than 3000 research papers, several books and book chapters and have filed several patents. Research funding is from UGC, UGC SAP, DBT, DST-SERB, DST-PURSE, DST-FIST, ICMR, BIRAC BIG etc. The main area of research at the department is microbial fermentations, probiotics, plant probiotics, biosurfactants, rapid diagnostic kits, biofabricated nanoparticles and cancer therapeutics.

Important Dates:

Seminar Date : 27th June 2022
Registration Before : 24th June 2022

Registration Details:

PG Students : INR 250/-
PhD Students : INR 500/-
Faculty Members : INR 1000/-

Spot Registration is also available

Registration fees may be deposited through Online Banking/NEFT as per following details:

Bank Details:

Bank Name : State Bank of India, OU
Account name : The Convener, AMRNH
Account No : 41038671787
Branch Code : 20071
IFSC : SBIN0020071
Account Type : Current

Registration for the National Seminar closes on 24th June 2022

For Registration click on the link below:

<https://forms.gle/Vxtjdyg34noY1HMP6>

Video Presentation: Rules and Regulations* Themes:

- ✓ Microbiome and childhood malnutrition
- ✓ Microbiome in human health and disease
- ✓ Fermented foods for healthy microbiome
- ✓ Soil/Plant Microbiomes for sustainable agriculture



*Review and literature based videos are also accepted

- Video should include title, name and affiliation of the presenter.
- Maximum number of participant/s in a team 1 or 2
- Limit size of the video up to 100 MB it should be in MP4 format.
- Video should be limited to 5 minutes.
- Last date for upload of Videos on Microbiome is 24th June 2022. (Those who registered for seminar can only apply for video competition).
- For Uploading Video, click on the link below: <https://forms.gle/vLQkaNo4Fzgh2K71A>
- Best video presentation will get attractive prize and certificate.
- All Participants will get Certificates.
- Lunch will be provided.
- Venue: Auditorium PGRRCE, OU.