



AMITY UNIVERSITY

UTTAR PRADESH

1. **9th International Conference, AMIFOST-2026, on “*Bio-Convergence & Next-Gen Food Systems: Towards Sustainable Nutrition and Global Food Resilience.*” March 17–18, 2026**

Conference Themes:

- Theme 1: Sustainable & Resource-Efficient Food Systems
- Theme 2: Current Trends in Food Science & Technology
- Theme 3: Nutrition, Dietary Diversity & Healthy Sustainable Diets
- Theme 4: Digital & Biotechnologies for Sustainable Food Production
- Theme 5: Alternative & Next -Gen Bio-Convergent Foods
- Theme 6: Enhancing Nutrition through food processing for nutrient retention and safety

2. Conference Chair: Prof. Dr. V.K. Modi
3. Conference Convener: Prof. Dr. Monika Thakur
4. Total Number of Participants: 520
5. Main Sponsor(s):

1. Anusandhan National research Foundation (ANRF), GoI
2. Haldiram Pvt Ltd.
3. CCRUM
4. Harvest- Plus
5. PRIM
6. Vedafied
7. Jiva Industries Pvt.Ltd., Guntur, Andhra Pradesh
8. RAR life Sciences, Delhi

Today's global food systems face a complex web of challenges: they must nourish a projected ~10 billion people by mid-century while simultaneously lowering environmental impacts, adapting to climate shocks, and addressing inequalities in nutrition access. At the same time, the concept of *resilient food systems* emphasises the system's capacity to withstand and reorganise following shocks — whether from climate, economic disruption

or supply-chain failure. Bioconvergence offers a promising pathway to confront these intertwined challenges. By combining advances in biotechnology (for example precision fermentation, microbiome engineering), digital and data systems (AI, IoT, sensors) and process and materials engineering (smart packaging, sustainable biomaterials), we can reimagine how food is produced, processed and consumed. Through such innovation, we aim to build food systems that are not only **sustainable** but also **nutritionally optimal, equitable, and resilient**. Recognising the immense significance of this theme, the Amity Institute of Food Technology proudly announces the **9th AMIFOST 2026** conference themed “**Bioconvergence & Next-Gen Food Systems: Towards Sustainable Nutrition and Global Food Resilience.**”

The conference was held in hybrid mode. The conference was a grand success with more than 500 participants, not only from Amity Universities across the country, but also from reputed National & International Universities as well. Noted Academicians, Researchers, Professionals from Industry and students participated in this conference. The participation of students fulfilled one of the objectives of the Conference to develop the interest towards Food Processing Technology, Nutrition and Dietetics at an early stage of learning amongst the students. The 2-day conference included 6 Technical sessions and online / offline Oral and poster presentation sessions with 350 paper presentations.

Learning Outcomes:

1. Around 350 paper presentations
2. The participants gained updated knowledge about sustainable food systems, food production and food security, food safety and quality
3. Participants got to learn the developments in nutrition, health and functional foods
4. Participants learnt about the current trends in food science and technology
5. Participants learnt about the digital and Biotechnological innovations in food processing and nutrition



9th AMIFOST 2026 – International Conference
on Food Science & Technology,
Amity University Uttar Pradesh, Noida, India
17 March 2026

Ultrasound - Steam combination heating
for surface microbial decontamination

Hosehalli S. Ramaswamy

Professor
Department of Food Science
McGill University, Canada



