

## CORE Organizing Committee

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Dr. Ramneek  
Dean, CODST, GADVASU

### Coordinator

Dr. Sandeep Sodhi Kakkar  
Head, Department of Dairy Microbiology,  
Dairy Chemistry & Dairy Technology

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Dr. Harsh Panwar  
Assistant Professor, Dairy Microbiology

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Assistant Professor, Dairy Technology

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Dr. Narender K. Chandla  
Assistant Professor, Dairy Engineering  
Dr. Nitin S. Wakchaure  
Assistant Professor, Livestock Economics

for Feedback & Queries  
drhpanwar@gmail.com

## ABOUT THE ORGANIZING INSTITUTE

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU) is one of the top ranking Veterinary and Animal Sciences University of India established on 9<sup>th</sup> August, 2005 for promoting livestock production, health and prevention of the disease(s) through integrated teaching, research and extension programme(s). Department of Dairy Microbiology is one of the core Department of College of Dairy Science and Technology of GADVASU. The department offers Master's (M. Tech.) and Ph.D. degree in Dairy Microbiology, hosts international students; besides supporting as one of the core subjects of four year B.Tech. Dairy Technology program. The Department is contributing in research areas including Probiotics, Prebiotics, Gut Microbiota, Designer Foods, Functional Foods, Antimicrobial Resistance, Antimicrobial peptides, and rapid detection of pathogens. The faculty has overseas exposure and has implemented several extramural research grants and published research findings in journals of global repute. For further information visit [www.gadvasu.in](http://www.gadvasu.in)

COLLEGE OF DAIRY SCIENCE & TECHNOLOGY



Bharat Ka  
75<sup>th</sup> अमृत महोत्सव  
Years of India's Independence



## International e-Symposium on PROBIOTICS, PREBIOTICS & GUT MICROBIOME: KEY REGULATORS FOR HUMAN AND ANIMAL HEALTH

November 11, 2021



Organized by  
DEPARTMENT OF DAIRY MICROBIOLOGY  
COLLEGE OF DAIRY SCIENCE AND TECHNOLOGY  
GURU ANGAD DEV VETERINARY & ANIMAL SCIENCES UNIVERSITY  
LUDHIANA – 141004 (PUNJAB) INDIA



Under the aegis of  
PROBIOTIC ASSOCIATION OF INDIA

Register here: <https://forms.gle/H6e7qRqbyXAzyZdn6>

## About Probiotic Association of India (PAI)

PAI is a forum dedicated to launch the probiotic movement in the country vigorously so that the purported health benefits associated with probiotics and probiotic foods reach the mass Indian population effectively. The main focus of PAI is to create awareness amongst the Indian consumers about remarkable health potentials of probiotics and to explore these strains with proven efficacy in development of novel functional foods for disease management and general health care that eventually will help in creating a healthy society in the country.

## Call for Abstracts

Abstracts are invited under e-Symposium themes for e-Poster and Young Scientist category. The soft copy of abstract in MS word format (Times New Roman, 12, 1.5 spacing) must contain: i) Title ii) List of authors iii) Affiliation iv) Name of presenting author should be underlined and Corresponding author with \* v) Contact number and Email of corresponding author vi) Abstract text to be divided into Introduction, Methodology, Results & Discussion not exceeding 250 words. Graphical abstracts are also welcome. The abstract should reach Organizing Secretariat at [biotics2021@gmail.com](mailto:biotics2021@gmail.com) by **31<sup>st</sup> October, 2021**. The guidelines for poster presentation and young scientist oral presentations will be shared subsequently.

e-Symposium also invites artistic interpretation (self designed/painted and scanned pdf) in the conference theme areas from young students and researchers. The same should reach organizing secretariat at [biotics2021@gmail.com](mailto:biotics2021@gmail.com) by **4<sup>th</sup> November, 2021**.

## Registration

- Registration is mandatory for all the participants
- Last date for registration: **31<sup>st</sup> October 2021**
- **Registration Fee**  
Faculty: INR 500  
Research Fellows: INR 400  
Master's and Ph.D. Students: INR 100  
Undergraduate Students: INR 50  
Overseas Participants: USD 10
- **Payment details**  
Bank Name: Bank of Baroda, PAU  
A/c Name: Comptroller, GADVASU  
A/c No.: 29380100015519  
IFSC: BARBOPAU LUD (*fifth character is zero*)  
SWIFT Code: BARBINBLUD
- Participants are advised to pay the registration fee and fill up the transaction details during registration
- Confirmation mail will be sent to the e-mail of registered participants along with the login details on or before 5<sup>th</sup> November, 2021

## Thematic Areas

1. PROBIOTICS FOR SOCIAL & PERSONALIZED HEALTH BENEFITS
2. NOVEL PREBIOTIC STRATEGIES FOR TARGETED HEALTH BENEFITS
3. GUT MICROBIOME: IMPLICATIONS FOR FUTURE HEALTH CARE
4. BIOTICS FOR SUSTAINABLE LIVESTOCK PRODUCTION

## Awards

- Best Poster Award(s)
- Young Scientist Award(s)
- Best Artistic Interpretation Award(s)

## About The e-Symposium

Probiotics, Prebiotics and Gut Microbiota/biome role in human and animal health is now increasingly being recognized. The importance of beneficial microbes has been emphasized many-fold since its conception by Ellie Metchnikoff. Any dysbiosis in gut microflora can cause increased susceptibility to several clinical complications. Probiotics (live microorganisms with health benefits to host) and Prebiotics (poorly-digested food ingredients that stimulate growth of beneficial bacteria) restore and improve the balance of the gut microbial community structure. Potential health benefits of probiotic and prebiotics under *in vitro* and *in vivo* models complemented by human clinical trials clearly supports the above hypothesis. The change in dietary habits, modern lifestyle and urbanization has increased awareness in health-conscious consumers towards probiotics, prebiotics and functional fermented foods. This demands focus on the exploration of probiotics, prebiotics, and gut microbiota for improving overall host health and quality of life. This international e-symposium greets faculties, scientists, researchers and students working in the above theme areas to provide a global platform for the exchange and spread of novel research and contemporary innovations and offers a scientifically stimulating platform to all stakeholders to have an interactive exchange with eminent domain experts.

## DISTINGUISHED SPEAKERS



**Dr. A K Srivastava**  
President, PAI,  
India



**Dr. Bruno Pot**  
Science Director,  
Yakult Europe



**Dr. Juergen Schrenzemier**  
Clinical Research Center Kiel,  
Germany



**Dr. Colin Hill**  
University College Cork,  
Ireland



**Dr. Sin Hyeog Im**  
POSTECH & ImmunoBiome  
Inc., Korea



**Dr. Lorenzo Morelli**  
Catholic University of  
the Sacred Heart, Italy



**Dr. Michael L. Chikinda**  
Rutgers, The State University  
of New Jersey, USA



**Dr. Stewart Graham**  
Oakland University,  
USA



**Dr. Koen Venema**  
Maastricht University,  
Netherlands



**Dr. Dan Merenstein**  
Georgetown University,  
USA



**Dr. Marie Lewis**  
University of Reading,  
UK



**Dr. Neerja Hajela**  
Yakult-Danone,  
India