**Important dates**

<table>
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<th>8th Feb. 2019</th>
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<tbody>
<tr>
<td>Last Date of Application</td>
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<tr>
<td>Date of Workshop</td>
<td>1st March 2019 (Friday) 9.30 AM – 5.30 PM</td>
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Interested candidates may fill the application form, sign, scan and send by e-mail to the Organizing Secretary.

**Targeted Participants**

Researchers and scientists, lecturers and professors, students from universities and colleges, industrial delegates with background of Microbiology, Biotechnology, dairy and Food Technology who intend to work/currently working on probiotics can apply.

**Registration Fees**

The number of candidates for this workshop is restricted to 50 and on first come first serve basis. The candidates will have to register by 8th Feb., 2019 by paying registration fee of Rs.500/- (inclusive of GST). Payment should be made electronically in favour of Director, CFTRI Mysore. (SBI Acc.No: 64018311818, IFSC Code: SBIN0040055, Branch: SBI, CFTRI, Mysore)

Candidates will be informed about their participation in the workshop by 11th Feb., 2019

**Further Details**

Organising Secretary:
Dr Prakash Halami
Sr Principal Scientist, Professor AcSIR, Microbiology and Fermentation Technology Department, CSIR-CFTRI, Mysore Ph: 0821-2517539

E-mail: prakashalami@cftri.res.in
Mobile: 09448082409

**One Day National Workshop on**

**NEXT GENERATION PROBIOTICS**

1st March 2019
Sponsored By

Probiotic Association of India (PAI)

Organized by
Department of Microbiology and Fermentation Technology
CSIR-Central Food Technological Research Institute.
Mysuru, 570020

Venue: Silver Jubilee Hall, M & FT Dept.
CSIR-CFTRI
About PAi
Probiotic Association of India (PAi) was registered as a society with effect from 8th Dec. 2010, is a forum dedicated to launch the probiotic movement in the country vigorously so that the purported health benefits associated with the probiotics and prebiotic foods effectively reach to Indian population.

The main focus of PAi is to create awareness amongst the Indian consumers about remarkable health potentials of probiotics in disease management and general health care which eventually help in creating a healthy society in the country. In order to achieve its mandate, PAi has been organizing National/International conferences, Symposia and Workshops regularly for dissemination of knowledge. Also a six monthly probiotic newsletter is being published by PAi that provides an insight into the current research scene of Probiotics in our country as well as interesting globally significant findings in the field of probiotics.

About CFTRI
A constituent laboratory of Council of Scientific and Industrial Research, New Delhi came into existence during 1950 with the great vision of its founders, and a network of inspiring as well as dedicated scientists who had a fascination to pursue in-depth research and development in the areas of Food Science and Technology. Research focus of CSIR-CFTRI revolves around 4 broad areas:

• Engineering Sciences
• Technology Development
• Translational Research
• Food Protection and Safety

Prebiotic and probiotic research is being carried out in the different Translational Research and Technology Development departments. In addition; gut microbial diversity, genomics and probiotic functionality of probiotic bacteria are being assessed. Novel biopreservatives from food bacteria from synthetic and natural sources are also being evaluated.

About MFT
Department of Microbiology & Fermentation Technology is one of the important translational R & D departments in CSIR-CFTRI, that is actively engaged in exploiting the potentiality of microorganisms for the production of various metabolites as food additives. Detection of food industrial microbes, pathogens and toxins as well as basic research in Food Microbiology are the other thrust areas.

About Workshop
The importance of gut microbiota on host health and the advancement in culturing methodologies, genome sequencing and gene editing techniques have paved the path for new era of probiotics. Extensive research on gut microbes and their health beneficial effects have identified new promising candidates for probiotics other than traditionally studied probiotic microbes viz. Bifidobacterium, Lactobacillus, Saccharomyces and Bacillus. Hence, Next Generation Probiotics (NGP) refers novel microbes from gut as well as genetically modified probiotic microorganisms. In addition, Bacteroides, Faecalibacterium, Akkermansia etc., are also few of the genera considered as NGP. Although newly discovered bacteria are being considered for their health beneficial traits, their safety assessment is vital.

Newly identified cultures of gut microbiota are less studied microbes as probiotics. Novel species of Bifidobacterium, a gut commensal associated with safe health of the host can also be an ideal candidate for NGP.
To have the desired beneficial effects, the probiotic has to reach the gut of the host in sufficient numbers. Maintaining the minimum biological value recommended for the probiotic product throughout the shelf life of the product has been a major challenge for the probiotic industry.

Resource Persons

<table>
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<tr>
<th>Resource Persons</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Dr. Yogesh Shouche, National Center for Cell Science, Pune</td>
<td>Next generation probiotics and gut microbiota</td>
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<tr>
<td>Dr. M. Balasubramanyam, Madras Diabetes Research Foundation, Chennai</td>
<td>Altered gut microbiome in Type 2 diabetes: The need for next generation Probiotics</td>
</tr>
<tr>
<td>Dr. Mudassir Azeez Khan, Mysore Medical College and Research Institute, Mysuru</td>
<td>Benefits of chewable Probiotics in preventing episodes of diarrhoea in children</td>
</tr>
<tr>
<td>Dr. Ramesh A, Indian Institute of Technology, Guwahati</td>
<td>Probiotic lactic acid bacteria in antibacterial therapy: Techniques and Applications</td>
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National Workshop
on
NEXT GENERATION PROBIOTICS
1st March 2019
CSIR- Central Food Technological Research Institute, Mysuru 570020

Application Form

Name : ........................................................................................................................................
Affiliation : ..................................................................................................................................
Position held : .................................................................................................................................
Research activities : .........................................................................................................................
............................................................................................................................................................
Purpose of Participation: ..................................................................................................................
............................................................................................................................................................
Willing to present poster: ☐ YES ☐ NO
If Yes, please enclose the abstract of the poster (max. 200 words) along with the application.
Remarks : ........................................................................................................................................
I hereby declare that the above furnished details are true and the payment of Rs.500/- has been made towards the participation in the National Workshop on ‘Next Generation Probiotics’.
Transaction ID No.: (UTIR No)

Signature of HoD/ Principal/ Research Guide ..............................................................................
Signature of Participant

Applications to be submitted by e-mail at prakashalami@cftri.res.in