

REPORT

on

**‘Current/Future Role of Food Science and Technology to Deliver
Felt-needs of Consumers in India’**

Date : 22nd Dec. 2016

Venue: IIT Bombay

**JOINTLY ORGANIZED
BY**



**L'INSTITUT SHASTRI INDO-CANADIAN
INDO-CANADIEN INSTITUTE**

AND



**Indian Institute of Technology Bombay
Powai, Mumbai-400 076
December 2016**



Summary

One day Workshop on “***Current/Future Role of Food Science and Technology to Deliver Felt-needs of Consumers in India***” was held on 22nd December 2016 at IIT Bombay. The workshop was jointly organised by IIT Bombay (IITB) and Shastri Indo-Canadian Institute (SICI), New Delhi, in the framework of MHRD-GIAN programme.

The theme talk in the workshop was given by Prof. H. Ramaswamy from McGill University, Canada. Sixty two participants, including students, researchers and faculty members from IIT Bombay, members from AFST (I), Mumbai Chapter (The Association of Food Scientists and Technologists (India) and budding food entrepreneurs (See list in Annexure 1). A few glimpses of the day long workshop is given at the end of the report.

The workshop began with a Welcome Address by Prof. N.G. Shah, Professor, CTARA, IIT Bombay. Prof. Shah also introduced the theme and provided the audience with an excellent overview of the field and role of academics and research in “Food Science and Technology” and threw light on the linkage between food, nutrition and health and how one as Food Engineer can deal with current issues of the consumer. Following this, Prof. A. M. Kulkarni, Associate Dean (Research and Development), IITB introduced the research culture at IIT Bombay to all the participants.

Prof. H. Ramaswamy's talk focused, using case-studies on "Effect of Thermal Processing on Quality of Food". He discussed about the thermal processing and related processes including thin profile (retort pouch), aseptic processing of low acid liquid and particulate foods, food sterilisation in rotational autoclaves and microwave processing. He also touched upon Food Safety concerns and regulations.

Mr. Nilesh Lele of AFST (I), Mumbai Chapter threw light on role, objectives and activities of AFSTI. Prof. K. V. Venkatesh, Professor and Head of Chemical Engineering Department, IIT Bombay, based on his continuous research in system biology gave a talk on "Analysing Whole Body Metabolism in Humans for Characterizing Disease States" and showed the complexity with which food, nutrition and health are interrelated and why research in this field needs utmost attention. Dr. (Mrs.) Jyoti Baliga of Indian Institute of Packaging (IIP), Ministry of Commerce and Industry, GoI spoke on importance and relevance of Food-Packaging in delivering felt-needs of consumers.

Post Lunch, there was an interesting session involving six food entrepreneurs who narrated and motivated the audience with their success stories in their ventures.

The "Success Stories" session included presentations from:

- Mr. Bimal Das (Director, Ecotech Technologies (I) Pvt. Ltd.),
- Dr. Deepa Bhajekar (MD, D-Technology)
- Mr. Girish Pai, (VP, Natural Ice-Cream)
- Mr. Harpal Singh Sokhi (Celebrity Chef)
- Dr. Abhay Shendye (Director, Swasti Agro and Bioproducts Pvt. Ltd.)
- Mr. Kaushal Dongre (CEO-Paawak Foods),

The contribution made by all the Speakers was highly appreciated.

The take-home message at the end of the Workshop was "***You can reach any goal you set yourself as long as you are technically competent, dedicated and hardworking***".

Annexure 1

List of Participants IITB-SICI Workshop held on 22nd Dec. 2016 at IIT Bombay

S.No.	Name	Affiliation
1.	Prof. Hosahalli S. Ramaswamy	Faculty, McGill-University, Canada
2.	Dr. Jyoti Baliga	Indian Institute of Packaging (IIP), Gol
3.	Mr. Harpal Singh Sokhi	Celebrity Chef
4.	Mr. Girish Pai	VP, Natural Ice cream
5.	Mr. Kaushal Dongre	CEO, Paawak Foods
6.	Mr. Bimal Das	Director, Ecotech Technologies (I) Pvt. Ltd.
7.	Dr. Deepa Bhajekar	MD, D-Technology
8.	Dr. Abhay Shendye	Director, Swasti Agro & Bioproducts Pvt. Ltd.
9.	Mr. Ritesh Mathur	F2F Food and Beverage Consultants
10.	Dr. Shalini Arya	LEC Member, AFST Mumbai
11.	Mr. Nilesh Lele	Honorary Secretary, AFST Mumbai
12.	Ms. Subhprada Nishtala	Joint Secretary, AFST Mumbai
13.	Mr. Umesh Kamble	Managing Director, Farm To Fork Solutions India Pvt. Ltd.
14.	Dr. Rupali Sengupta	LEC Member, AFST Mumbai
15.	Dr. Nilesh Amritkar	Managing Director, Envirocare Labs Pvt. Ltd.
16.	Adv. Neeta Nair	LEC Member, AFST Mumbai
17.	Mr. Bhushan N. Yengade	Food Industry Consultant
18.	Mr. Prakash Chitale	LEC Member, AFST Mumbai
19.	Prof. Prakash Kondekar	LEC Member, AFST Mumbai
20.	Mr. Keshav Kamble	LEC Member, AFST Mumbai

S.No.	Name	Affiliation
21.	Mr. Chandrahas Vishwasrao	Ph.D. Scholar, UICT
22.	Ms. Khusbhu Haria	Manager - Food Safety, SafeFoodz Solutions
23.	Dr. Uday Annapure	VP, AFST India
24.	Mr. Kamalrookh Marolia	Professor, K. J. Somaiya College of Science and Commerce
25.	Ms. Priyanka Rathi	Food Technologist, Tasty Bite Research Centre
26.	Ms. Monali Divekar	Asst. Manager- Food Tech, Tasty Bite Research Centre
27.	Dr. Anuradha Sekhar	AFST Mumbai
28.	Mr. K. A. Chakradhar	Scientist-I, Mondelez India
29.	Dr. Debjani Dasgupta	AFST Mumbai
30.	Mr. Milind Kokje	Chief Editor, NuFFoods Spectrum Magazine
31.	Mr. Deepak Soni	Radhakrishna Food Services Pvt. Ltd.
32.	Mr. Navneet Jagetiya	Radhakrishna Food Services Pvt. Ltd.
33.	Prof. A. M. Kulkarni	Assoc. Dean (Research and Development) and Professor, Electrical Engineering, IIT Bombay
34.	Prof. Venkatesh V. Kareenhalli	Head of Department and Professor, Chemical Engineering, IIT Bombay
35.	Prof. N. G. Shah	Faculty, CTARA, IIT Bombay
36.	Prof. Dinkar Patil	Visiting Faculty, MEMS, IIT Bombay
37.	Prof. Amit Arora	Faculty, CTARA, IIT Bombay
38.	Ms. Harini Swaminathan	Student, IIT Bombay
39.	Ms. Ayushi Jain	Student, IIT Bombay
40.	Mr. Arnab Das	Office of Dean IR, IIT Bombay
41.	Dr. Suhas Zambre	Project Staff, IIT Bombay
42.	Ms. Chandrakala K.	Project Staff, IIT Bombay

S.No.	Name	Affiliation
43.	Dr. Rupali Khanolkar	Project Staff, IIT Bombay
44.	Ms. Prachi Yerunkar	Project Staff, IIT Bombay
45.	Ms. Harshala Patil	Student, IIT Bombay
46.	Mr. Ramkrishna Singh	Student, IIT Bombay
47.	Ms. Jhumur Banerjee	Student, IIT Bombay
48.	Ms. Shivali Banerjee	Student, IIT Bombay
49.	Mr. Sachin Talekar	Student, IIT Bombay
50.	Prof. Madhu Vinjamur	Faculty, Chemical Engineering, IIT Bombay
51.	Mr. Ashish	Student, IIT Bombay
52.	Prof. V. M. Naik	Faculty, Chemical Engineering, IIT Bombay
53.	Ms. Chandrika N.	Office of Dean IR, IIT Bombay
54.	Prof. S. D. Jog	Faculty, Mechanical Engineering, IIT Bombay
55.	Prof. A. B. Rao	Faculty, CTARA, IIT Bombay
56.	Dr. Pushkala Ramachandran	Project Staff, IIT Bombay
57.	Mr. Hitesh K. Mahawar	Project Staff, IIT Bombay
58.	Ms. Nikita Patel	Project Staff, IIT Bombay
59.	Mr. Prafull Shinde	Staff, CTARA, IIT Bombay
60.	Mr. Prabodh Gadkari	Project Staff, IIT Bombay
61.	Dr. Ipsita Das	Project Staff, IIT Bombay
62.	Ms. S. Yughabala	Project Staff, IIT Bombay