



AFSTI

Empowering the Food Professional

- A Professional Journey ...

1957-2018



ASSOCIATION OF FOOD SCIENTISTS AND TECHNOLOGISTS (INDIA)



AFSTI

Empowering the Food Professional

**ASSOCIATION OF FOOD SCIENTISTS AND TECHNOLOGISTS OF INDIA
(AFST-I)**

*- A Professional
Journey...*

1957 - 2018

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PREFACE

I feel honored to write a preface for this book AFST(I) - A Professional Journey, as the Secretary of this esteemed organization. We all are well aware of the services offered by AFST(I) to the food fraternity with its multifaceted activities like publishing journals/monographs, organizing conferences and memorial lectures, honoring the excellence in the field through various annual awards, motivating the students through scholarships and many more. We all feel proud to see that the wings of AFST(I) are stretching throughout the country with its 35 chapters.



Amidst the preparations for the mega event #IFCON2018, CEC thought this book will be a perfect gift for all as this is reminiscence of the rich heritage of the Association as AFST(I) is in its 61st year of existence. The purpose of the book is to shed light on the efforts of our predecessors to bring the Association to the present glory. In essence, this should be a source of inspiration for us, the present generation, to stand true in fulfilling the vision of the founder members of this vibrant organization.

We started collecting the data and thanks to all those who provided their feedbacks. It took many days to collect the data which includes the inception of AFST(I) in the year 1957 by Prof V Subrahmanyam, the then Director of CSIR-CFTRI, followed by many veterans who reigned the association in a majestic way. The team consisting of Dr AS Bawa, Dr BR Lokesh, Dr AG Appurao and Dr NS Mahendrakar have put in lot of efforts in collection of data of 61 years (1957 – 2018) of activities of AFST(I), compiling, editing and all is really praiseworthy. The book gives the list of Presidents, Secretaries, Treasurers and the Editors of both the journals since its inception. It also includes how the face-lifting of the journals took place from time-to-time. The cover pages of the first and the latest issues and important documents are also included in the book. Similarly one of the major objectives of the association is organizing conferences in order to provide a forum for the peers in the field to discuss about burning issues in the field of food. This book lets the readers know about the list of conferences held and the focal themes discussed. I am glad to point out that the year 2018 is truly a digital year for the AFST(I) in many ways including the inception of E-Voting. The e-book version of this book is also sent to all the members and also available to be downloaded through our website www.afsti.org.

I acknowledge the efforts of our senior experts from CSIR-CFTRI and DRDO-DFRL - Dr NS Mahendrakar, Dr AS Bawa, Dr BR Lokesh and Dr AG Appu Rao and all the CEC members in bringing out this booklet.

Dr Aashitosh A Inamdar
Hon Secretary

MESSAGE

उद्यमेन हि सिध्यन्ति कार्याणि न मनोरथैः ।
न हि सुप्तस्य सिंहस्य प्रविशन्ति मुखं मृगाः ॥

One has to work to complete the task.
Only planning will not accomplish anything.

In this *Subhashita*, Poet has explained the importance of work and efforts over simple wish.



This booklet "AFST(I) - A Professional Journey" is a pragmatic chronicle of how the AFST(I) came into existence in the year 1957. We all know AFST(I) is one of the most premier associations in Asia, which is most heard across the country with its multifaceted activities for the benefit of fraternity in the field of FOOD. It is time to recall all our founder fathers who were the milestones in the journey of AFST(I), as we are celebrating the 8th International Food Convention in the year 2018 with all its grandeur and splendor. This booklet is truly a SIMHAVALOKAN to all those who are part of this rich heritage. This wonderful booklet cherishes the memories of all those who were pillars of strength, like the Founder President Prof V Subrahmanyam in the year 1957 who was the main architect. Subsequently a number of stalwarts from R&D and Industries served this Association throughout the ages. Let us bow down to all their services and resolve to take the AFST(I) to still greater heights.

On behalf of AFST(I) and on my own behalf I extend my heartfelt thanks and reverence to the following Team of senior experts, Dr NS Mahendrakar, Dr BR Lokesh, Dr AS Bawa and Dr AG Appu Rao, who were responsible for bringing out this booklet.

Wish you all a very happy reading.

Dr Prabodh Halde
President, AFST(I)

AT A GLANCE

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Association of Food Scientists and Technologists of India (AFST-I) - A Professional Journey....

First Step of a Journey

Association of Food Technologists (AFT) was established in 1957 in the beautiful campus of CSIR-Central Food Technological Research Institute (CSIR-CFTRI), Mysore. The name of the association was changed in 1968 to Association of Food Scientists & Technologists of India, popularly known as AFST (I). AFST(I) Office commenced in a building in CSIR-CFTRI, Mysuru, campus as shown in Fig. 1.

AFST(I) is a premier food professional organization in Asia and represents more than 50% of India's pool of Food Scientists and Technologists. This is one of the largest professional and educational organizations in India. Prof V Subrahmanyam, Founder Director of CSIR-CFTRI was the founder president of the AFST(I) and Sri ML Jain was the first Secretary. *Journal of Food Science and Technology* has brought out a commemorative issue on Prof V Subrahmanyam in the year 1980.

This volume presents special articles written by Prof V Subrahmanyam's colleagues and students and encompasses all the important fields which he initiated and helped to grow, portraying the progress of Food Science & Technology. The foreword in this issue was written by Dr Y Nayudamma, Former Director-General of CSIR, New Delhi.



Fig. 1. AFST(I) Office during inception

LOGO THROUGH THE AGES

The logo of the association was first launched in 1968 and it was changed to the second one in 1969 due to change in its name. This was further modified in 2005 to its present form as shown in Fig. 2.



First Logo till 1968



Modified in 1969



Modified in 2005

Fig. 2. Modification of AFST(I) logos

CONSTITUTION

AFST(I) has a well-written constitution, which forms the backbone of guidelines by which the Head Quarters and Chapters are functioning through their elected Central Executive Committee (CEC) and Local Executive Committees (LEC), respectively. The election of Office Bearers to these committees, their powers and functions are part of the constitution.

CHAPTERS

To expand the message of AFST(I) throughout the country, the association decided to open regional branches in the year 1964. Now the AFST(I) has the strong base of membership spread over 38 chapters all over the country. The AFST(I) chapters as existing in 2018 are listed in Table 1.

Table 1. Chapters of AFST(I)

| SlNr | Chapter | Year of formation |
|------|---|-------------------|
| 1 | Allahabad, Uttar Pradesh | 2016 |
| 2 | Amritsar, Punjab | 1996 |
| 3 | Bengaluru, Karnataka | – |
| 4 | Bhopal, Madhya Pradesh | – |
| 5 | Chennai, Tamil Nadu | 2018 |
| 6 | Dapoli, Maharashtra | 2017 |
| 7 | Delhi | – |
| 8 | Erode, Tamil Nadu | – |
| 9 | Hisar, Haryana | 2016 |
| 10 | Hyderabad, Andhra Pradesh (now Telengana) | 1973 |
| 11 | Imphal, Manipur | 1991 |
| 12 | Jabalpur, Madhya Pradesh | 1985 |
| 13 | Jaipur, Rajasthan | – |
| 14 | Jalandhar, Punjab | 2016 |
| 15 | Kakinada, Andhra Pradesh | 2016 |
| 16 | Kanpur, Uttar Pradesh | – |
| 17 | Karnal, Haryana | – |
| 18 | Kochi, Kerala | 2013 |
| 19 | Kolkata, West Bengal | – |
| 20 | Kollam, Kerala | 2012 |
| 21 | Kundli, Haryana | 2013 |
| 22 | Longowal, Punjab | 2014 |

| SlNr | Chapter | Year of formation |
|------|-----------------------------|-------------------|
| 23 | Ludhiana, Punjab | – |
| 24 | Mumbai, Maharashtra | 1980 |
| 25 | Nagpur, Maharashtra | 2018 |
| 26 | Pantnagar, Uttarakhand | – |
| 27 | Parbhani, Maharashtra | – |
| 28 | Puducherry, Union Territory | 2010 |
| 29 | Pune, Maharastra | 1982 |
| 30 | Raichur, Karnataka | 2013 |
| 31 | Solan, Himachal Pradesh | – |
| 32 | Srinagar, Jammu & Kashmir | 2016 |
| 33 | Thanjavur, Tamil Nadu | 2013 |
| 34 | Tezpur, Assam | 2013 |
| 35 | Thiruvananthapuram, Kerala | 2012 |
| 36 | Thrissur, Kerala | 1995 |
| 37 | Vallabh Vidyanagar, Gujarat | 2010 |
| 38 | Varanasi, Uttar Pradesh | 2016 |

MEMBERSHIP

AFST(I) membership is open to all food professionals engaged in academic, industrial and other related activities. The membership fee to enroll at the time of inception of the society was fixed at Rs 15/- with the admission fee of Re 1/- and the total members at that time was 300. The membership fee was periodically enhanced to meet expenses of the society and currently the differential fee for membership is charged based on the categorization of the members. The total number of members from all the categories is now about 3000.

The membership of AFST(I) has varied backgrounds and wide spectrum of qualification & experience with members who are Graduates, Post-graduates, Ph Ds and Certificate and Diploma holders. This is an organization with

balanced mix of young and old personnel. Many of them have more than 35 years experience in specialized areas of food science and technology. Personnel in food processing industries, trade, and academia as well as students are the members of the association.

OBJECTIVES

The major objective of AFST(I) is to stimulate and advance knowledgebase on various aspects of Food Science and Technology, production, processing and distribution of food. One of the fundamental duties of the association is to bring together members on a platform along with the experts in the field not only from India but also from abroad, along with the captains of the industries to share the commonalities of the cutting edge technology in today's changing scenario.

In pursuit of this objective, the following are listed:

- To stimulate research, development and training in science and technology of food. To promote among its members, a high standard of technical proficiency, professional expertise and personal integrity to elevate ethos in the profession of food science and technology.*
- To promote the rational and economic development of food science and technology in the country to serve the humanity by providing food security.*
- Standardization of protocols of production, testing (quality assurance and quality control) and ensuring food standards for safe food.*
- To interact and collaborate with other National or International organizations who are engaged in activities helpful for furthering objectives of the AFST(I).*
- To provide feedback to government at appropriate levels on matters concerning food.*

CENTRAL EXECUTIVE COMMITTEE

The Office bearers of AFST(I) are elected every year. The members of AFST(I) are eligible for contesting the elections.

Presidents, Secretaries & Treasurers of AFST(I) who served this organization in chronological order are listed in Table 2.

Table 2. Presidents, Secretaries and Treasures

| Sl Nr | Year | President | Secretary | Treasurer |
|-------|------|-----------------------|-----------------------|-------------------------|
| 01 | 1957 | Dr V Subramanyan | Mr NL Jain | --- |
| 02 | 1958 | Dr V Subramanyan | Mr Jain NL | --- |
| 03 | 1959 | Dr V Subramanyan | Dr R Rajagopalan | --- |
| 04 | 1960 | Dr V Subramanyan | Dr JS Pruthi | --- |
| 05 | 1961 | Dr V Subramanyan | Dr JS Pruthi | --- |
| 06 | 1962 | Dr V Subramanyan | Dr TN Ramachandra Rao | --- |
| 07 | 1963 | Dr V Subramanyan | Dr TN Ramachandra Rao | --- |
| 08 | 1964 | Dr HAB Parpia | Mr MR Chandrasekhara | Mr SK Lakshminarayanan |
| 09 | 1965 | Dr HAB Parpia | Mr MR Chandrasekhara | Mr SK Lakshminarayanan |
| 10 | 1966 | Dr HAB Parpia | Dr TN Ramachandra Rao | Mr CP Natarajan |
| 11 | 1967 | Dr KK Iya | Dr TN Ramachandra Rao | Mr CP Natarajan |
| 12 | 1968 | Dr BL Amla | Dr B Panda | Dr SC Bhattachairjya |
| 13 | 1969 | Dr JV Bhat | Dr M Narayana Rao | Dr SC Bhattacharya |
| 14 | 1970 | Dr PK Vijayaraghavan | Dr SP Manjrekar | Dr SR Shurpalekar |
| 15 | 1971 | Dr AN Bose | Dr PB Rama Rao | Dr AG Mathew |
| 16 | 1972 | Dr DV Rege | Dr MA Krishnamurthy | Dr KR Srikantaiah |
| 17 | 1973 | Dr H Nath | Dr AG Mathew | Mr MV Shastry |
| 18 | 1974 | Dr TN Ramachandra Rao | Dr VH Potty | Dr ES Nambudiri |
| 19 | 1975 | Dr PK Kymal | Mr MV Shastry | Dr BA Satyanarayana Rao |
| 20 | 1976 | Mr MR Chandrasekhara | Mr MM Krishnaiah | Dr BA Satyanarayana Rao |

| Sl Nr | Year | President | Secretary | Treasurer |
|-------|---------|-------------------------|-------------------------|----------------------------|
| 21 | 1977 | Mr CP Natarajan | Dr AM Nanjundaswamy | Dr Richard Joseph |
| 22 | 1978 | Dr BP Baliga | Dr JV Prabhakar | Mr A Ramesh |
| 23 | 1979 | Mr Dayanand | Mr JD Patel | Dr K Lakshminarayan |
| 24 | 1980 | Dr KT Achaya | Dr KR Srikanthaiah | Dr P Haridas Rao |
| 25 | 1981 | Mr MK Panduranga Shetty | Dr P Narasimham | Dr D Narasimha Rao |
| 26 | 1982 | Mr SK Majumdar | Dr LV Venkataraman | Dr CT Dwarakanath |
| 27 | 1983 | Lt Col OP Kapoor | Dr SC Basappa | Dr G Radhakrishnaiah Setty |
| 28 | 1984 | Mr Laljeet Singh | Dr M Mahadevaiah | Dr Nasirulla |
| 29 | 1985 | Dr AG Naik Kurade | Dr D Narasimha Rao | Dr RY Vasudeva |
| 30 | 1986 | Dr TR Sharma | Mr Naginchand | Mr KC Chikkappaji |
| 31 | 1987-88 | Dr VH Potty | Dr TS Satyanarayana Rao | Dr K Sambaiah |
| 32 | 1988-89 | Mr NA Pandit | Dr PL Raina | Dr Vasudeva Singh |
| 33 | 1989-90 | Dr LV Venkatraman | Dr P Haridasa Rao | Mr NS Singh |
| 34 | 1990-91 | Dr V Srinivas Murthy | Dr K Vidyasagar | Dr NS Mahendrakar |
| 35 | 1991-92 | Dr PJ Dubash | Dr MS Prasad | Dr GA Krishna |
| 36 | 1992-93 | Dr AM Nanjunda Swamy | Dr MN Krishna Murthy | Mr NS Singh |
| 37 | 1993-94 | Dr SK Roy | Mr GA Krishna | Mr RS Matche |
| 38 | 1994-95 | Dr P Narasimham | Dr K Udaya Sankar | Dr MS Krishna Prakash |
| 40 | 1995-96 | Dr Rugmini Sankaran | Mr PCS Nambiar | Mr CT Murthy |
| 41 | 1996-97 | Dr CL Nagarsekar | Dr MS Krishnaprakash | Mr Baldev Raj |
| 42 | 1997-98 | Dr SS Arya | Mr Rajeshwar S Matche | Mr N Manjunath |
| 43 | 1998-99 | Prof GS Chauhan | Dr AD Semwal | Mr Akmal Pasha |
| 44 | 1999-00 | Dr M Mahadevaiah | Mr R Naresh | Dr UJS Prasada Rao |
| 45 | 2000-01 | Dr SR Padwal Desai | Mr Akmal Pasha | Mr YN Vijayashankar |
| 46 | 2001-02 | Dr SC Basappa | Dr UJS Prasada Rao | Dr Alok K Srivastava |
| 47 | 2002-03 | Mr R Raghuramaiah | Dr SM Aradhya | Dr RP Singh |

| Sl Nr | Year | President | Secretary | Treasurer |
|-------|---------|---------------------------|------------------------|------------------------|
| 48 | 2003-04 | Dr AS Bawa | Dr Alok Srivastava | Mr HS Satish |
| 49 | 2004-05 | Mr P Ramakrishna | Mr GCP Rangarao | Dr R Chetana |
| 50 | 2005-06 | Dr D Narasimha Rao | Dr G Vijayalakshmi | Dr HH Pattekhan |
| 51 | 2006-07 | Dr HN Mishra | Dr Baldev Raj | Mrs V Vanajakshi |
| 52 | 2007-08 | Mr Rajeshwar S Matche | Dr RP Singh | Dr SVN Vijayendra |
| 53 | 2008-09 | Dr Satish Kulkarni | Dr SG Prapulla | Mr N Manjunath |
| 54 | 2009-10 | Mr Vinod K Huria | Dr KA Anu Appaiah | Dr A Jayadeep |
| 55 | 2010-11 | Dr Ratnakar R Mallya | Dr V Baskaran | Dr A Jayadeep |
| 56 | 2011-12 | Dr G Vijayalakshmi | Dr T Jeyarani | Mr Aashitosh A Inamdar |
| 57 | 2012-13 | Dr KD Yadav | Dr N Bhaskar | Mr Aashitosh A Inamdar |
| 58 | 2013-14 | Dr Surender S Ghonkrota | Dr G Venkateswaran | Mr Suresh D Sakhare |
| 59 | 2014-15 | Dr H Prathap Kumar Shetty | Dr SG Walde | Dr DD Wadikar |
| 60 | 2015-16 | Dr Narpinder Singh | Dr BB Borse | Dr DD Wadikar |
| 61 | 2016-17 | Dr RBN Prasad | Dr HH Pattekhan | Dr KV Harish Prashanth |
| 62 | 2017-18 | Dr S Prabodh Halde | Dr Aashitosh A Inamdar | Dr Suresh D Sakhare |

PUBLICATIONS

In the formative years, the AFST(I) was bringing out a publication entitled 'Reviews in Food Technology' providing authoritative and up-to-date critical evaluation of the researches conducted on different aspects of Food Technology. The first of these 'Reviews' was published in the year 1959. This was discontinued due to the advent of net-based search systems.

A. Journal of Food Science & Technology (JFST)

To disseminate the research findings in the area of Food Science and Technology, AFST(I) started publishing a peer reviewed journal called Journal of Food Science & Technology. The first issue of JFST was published in the month of April 1964 with Dr DS Bhatia as the first Editor of the journal. Dr HAB

Parpia was the President and Sri MR Chandrasekhara was the Hon Executive Secretary at that time. The journal was published quarterly from 1964 to 1973 and then bimonthly from 1974 to 2013. The journal went online in the year 2010 and the duties of co-publishing the journal was transferred to M/s Springer India along with marketing rights during the period of Dr Satish Kulkarni as the President, Dr (Mrs) SG Prapulla as the Hon Secretary of AFST(I) and Dr NS Mahendrakar as the Editor-in-Chief of the journal. A cumulative index of authors and articles published in JFST volumes 1 to 25 (1964 – 1988). was consolidated by Dr N Chandrasekhara and Sri KA Ranganath (Index Editors) and published in 1990 for easy access to articles and authors for the readers of JFST. Since 2014, the journal is being published monthly and since then the members have access to the soft copy of the journal. At present it is well circulated and widely acknowledged journal with an impact factor of 1.262 (for the year 2017).

The cover pages of the first and the current issue of JFST are presented in Fig. 3 and the Editors – in – Chief of JFST are listed in Table 3.



**JFST Volume 1, Issue 1
(April 1964)**



**JFST Volume 55, Issue 11
(November 2018)**

Fig. 3. Cover pages of the first and the current issues of JFST

Table 3. Editors –in – Chief of Journal Food Science and Technology

| SlNr | Year | Editor-in-Chief |
|------|-----------|------------------------|
| 1 | 1964-65 | Dr DS Bhatia |
| 2 | 1966 -70 | Mr MR Chandrasekhara |
| 3 | 1971 -73 | Dr YS Lewis |
| 4 | 1974-76 | Dr PB Rama Rao |
| 5 | 1977-79 | Dr D Rajagopal Rao |
| 6 | 1980-82 | Dr Radhakrishna Murthy |
| 7 | 1983-85 | Dr KR Sreekantaih |
| 8 | 1986-88 | Dr N Chandrasekhara |
| 9 | 1989-92 | Dr JR Rangaswamy |
| 10 | 1992-98 | Dr BK Lonsane |
| 11 | 1998-2004 | Dr BR Lokesh |
| 12 | 2005-13 | Dr NS Mahendrakar |
| 13 | 2013-15 | Dr P Prabhasankar |
| 14 | 2016- | Dr Narpinder Singh |

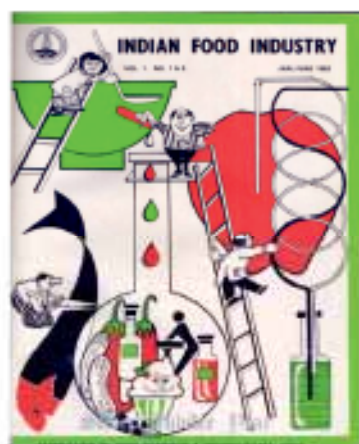
Best Paper Award published in JFST

In order to provide incentives and encourage the authors to publish quality papers in JFST, the AFST (I) has introduced annual awards for the best papers published. The details of the awards given in different categories of papers published in JFST are listed under the section AWARDS.

Indian Food Industry (IFI)

AFST (I) started another journal called "Indian Food Industry" in the year 1982 to cater to the interests of Food industries. Initially it was published as a quarterly journal. The Founder editor of the journal was Dr YS Lewis, Scientist of CSIR- CFTRI. The Editorial Board for this journal consisted of researchers, academicians and industry representatives. The objectives for bringing out this journal was to provide information, which can bridge the gap between academia and industry and to keep students abreast with the progress that are being made by food industries. Initially the journal was published quarterly and in 1990, IFI was made a bimonthly journal with attractive colorful cover

page depicting the direction which food industries are taking. The spectrum of readers of this journal includes food technologists, engineers, scientists, managers, consultants, industrialists, policy makers and students. The amalgamation of experts from the above key sectors provides IFI an opportunity to have a holistic view of Indian Food industries. In its effort to be in tune with the needs of industry and to meet the aspirations of the readers, IFI is undergoing restructuring on a continuous basis. In the year 2016 the journal is named as Indian Food Industry Magazine (IFI Mag). The cover pages of the first IFI and the current issue of IFI Mag are presented in Fig. 4 and the Chief Editors of the journal since its inception are listed in Table 4.



**IFI Volume 1, Issue 1
(Jan – Jun 1981)**



**IFI Mag Volume 37, Issue 4,
(July - August 2018)**

Fig. 4. Cover pages of the first and the current issues of IFI

Table 4. Chief Editors of Indian Food Industry (Magazine)

| SlNr | Year | Chief Editor | SlNr | Year | Chief Editor |
|------|-----------|-------------------|------|---------|--------------------|
| 1 | 1982-87 | Dr YS Lewis | 6 | 2004-06 | Dr VH Potty |
| 2 | 1988-92 | Dr VH Potty | 7 | 2007-09 | Dr Alok Srivastava |
| 3 | 1993-95 | Mr SP Pillai | 8 | 2010-12 | Dr P Prabhasankar |
| 4 | 1996-2000 | Dr Richard Joseph | 9 | 2013-15 | Dr H Umesh Hebbar |
| 5 | 2001-03 | Mr GCP Rangarao | 10 | 2016- | Dr KA Anu Appaiah |

IFI Best Feature Article Awards

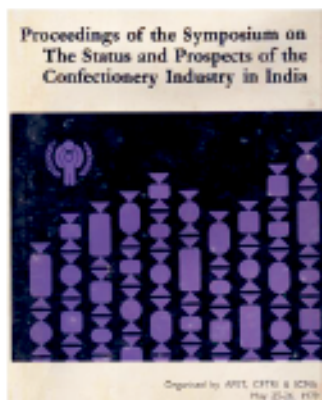
In order to appreciate and attract quality articles for IFI, the AFST(I) introduced annual awards for the best feature article published. The details of the awards given are provided under the section AWARDS.

CONFERENCES

With a view to bring all the food scientists and technologists on the same platform to discuss about the burning issues related to food, the AFST(I) started organizing annual conferences every year at various parts of the country. This has now become a major platform for exchanging the ideas by all those engaged in various aspects of food.

National Conferences

National conferences are named as **Indian Convention of Food Scientists and Technologists (ICFoST)**. The first ICFoST was organized in the year 1979 with the theme **"The status and prospects of the confectionery industry in India"**. The cover pages of proceedings of the first and the current issue of ICFoST are presented in Fig. 5 and the focal themes of the national conferences are presented in Table 5.



**Proceedings of
1st ICFoST -1979**



**Proceedings of
26th ICFoST - 2017**

Fig. 5. Cover pages of the first and the current issues of ICFoST

Table 5. Focal themes of the Indian Convention of Food Scientists and Technologists (ICFoST)

| Sl Nr | Year | Focal Theme | Place |
|-------|------|--|-----------|
| 1 | 1979 | The Status and Prospects of the Confectionary Industry in India | Mysore |
| 2 | 1980 | Symposium on By-products from Food Industries Utilization and Disposal | Mysore |
| 3 | 1981 | Sensory Analysis, Contaminants and Nutrition | Mysore |
| 4 | 1983 | Food Laws in Relation to Development of Food Industries | Mysore |
| 5 | 1984 | Food Additives in Processed Foods | Mysore |
| 6 | 1985 | Food Industry Outlook: Emerging Scenario in Developing and Developed World | Mysore |
| 7 | 1986 | Perspectives in Food Industries in the 90's | Mysore |
| 8 | 1987 | Present Status and Future Perspectives in Food Technology | Mysore |
| 9 | 1989 | National Symposium on Impact of Pollution in and from Food Industry and its Management | Mysore |
| 10 | 1990 | Recent Developments and Future Trends in Milling and Baking Technology | Mysore |
| 11 | 1991 | Application of Biotechnology in the Development of Food Processing Industries | Mysore |
| 12 | 1992 | Challenges to the Indian Food Industry - Widening of Export and Domestic Markets | Mysore |
| 13 | 1994 | Strategies for Packaging and Storage of Fresh and Processed Fruits and Vegetables in 21 st Century | New Delhi |
| 14 | 1995 | Food Process Engineering : Recent Trends and Developments | Mysore |
| 16 | 1996 | Food Safety and Quality | Mysore |
| 17 | 1997 | Emerging Trends in Food Industry in the Twenty-First Century | Mumbai |
| 18 | 1999 | Food Ingredients for the next Millennium | Mysore |
| 19 | 2000 | Modern Trends & Perspectives in Food Packaging for 21 st Century | Mysore |
| 20 | 2001 | Post Harvest Technologies for Agricultural Produce and Prospects for the Food Processing Industry in Konkan Region | Goa |
| 21 | 2002 | Biotechnology for Food and Nutritional Security | Mysore |

| Sl Nr | Year | Focal Theme | Place |
|-------|------|--|-----------------|
| 22 | 2004 | Food Technology : Rural Outreach - Vision 2020 | Mysore |
| 23 | 2005 | Value Addition to Food : Process Engineering and Product Innovations | Mysore |
| 24 | 2006 | Heritage Food : Opportunities and Challenges | Hyderabad |
| 25 | 2007 | Health Foods | Kharagpur |
| 26 | 2009 | Specialized Processed Food for Health & Nutrition : Technology & Delivery | Bengaluru |
| 27 | 2010 | Food in 2020 | Mysuru |
| 28 | 2011 | Innovation in Food Science and Technology to Fuel the Growth of the Indian Food Industry | Pune |
| 29 | 2012 | Safety Assurance of Food Through Emerging Science & Technology (SAFEST) Innovations | Mysuru |
| 30 | 2014 | Fostering Innovative Research and Entrepreneurship (FIRE) for Indian Foods | Kundli, Haryana |
| 31 | 2015 | Farmer Empowerment through Agro-processing & Sustainable Technologies (FEAST) | Parbhani |
| 32 | 2016 | Food Processing for Sustainable Agriculture & Industry (Food Pro SAI) | Amritsar |
| 33 | 2017 | Food and Nutrition Challenges: Role of Food Science and Technology | Hyderabad |

International Conferences

*From the year 1982, the AFST(I) started organizing **International Conferences of Food Scientists & Technologists (IFCON)** once in every five years. The first IFCON was organized in the year 1982 as 'Ahara 82' with the focal theme "Food Challenges of the Eighties". The international conferences are organized with the focal theme relevant to the requirements of India and Asian continent. The cover pages of proceedings of the first and the current issue of ICFON are presented in Fig. 6 and the focal themes of the International conferences are presented in Table 6.*

The e-Souvenir of IFCON-2018 is designed using the QR codes for the abstracts of all oral and poster presentations in order to substantially reduce print pages. This is proposed to continue for all the future events of AFST(I).



**Proceedings of 1st IFCON
(Ahara 82, 1982)**



**Proceedings of
8th IFCON - 2018**

Fig. 6. Cover pages of the first and the current issues of proceedings of IFCON

Table 6. Focal themes of the International Food Convention (IFCON) of Food Scientists and Technologists

| Sl Nr | Year | Focal Theme | Place |
|-------|----------------|--|-----------|
| 1 | 1982 | Food Challenges of the Eighties (Ahara 82) | Bangalore |
| 2 | 1988 | Trends in Food Science & Technology | Mysore |
| 3 | 1993 | Food Science and Technology Contributing to Health and Prosperity | Mysore |
| 4 | 1998 | Trends in Food Science & Technology : Global Perspective | Mysore |
| 5 | 2003 | Innovative Food Technologies and Quality Systems : Strategies for Global Competitiveness | Mysore |
| 6 | 2008 | Newer Challenges in Food Science and Technology : Industrial Perspective | Mysore |
| 7 | 2013 | Nutritional Security through Sustainable Development, Research & Education for Healthy Foods (NSURE - HEALTHY FOODS) | Mysuru |
| 8 | 12-15 Dec 2018 | Holistic Approaches for Start-ups, Human Resource Training for Agriculture and Food Industry Gemmation (HASHTAG) | Mysuru |

Memorial Lectures

AFST(I) organizes memorial lectures in order to express sincere gratitude and to pay homage to the towering figures who led the association with their exemplary and visionary leadership. The memorial lectures organized so far are listed in Table 7 .

Table 7. Memorial lectures

| Sl Nr | Name of the lecture | Year | Topic |
|-------|---|------|--|
| 1 | Dr JV Bhat Memorial Lecture | 2004 | Food Microbiology |
| 2 | Dr HAB Parpia Memorial Lecture | 2014 | Traditional Foods |
| 3 | Sri GCP Rangarao Memorial Lecture | 2014 | Food Packaging |
| 4 | Dr BL Amla Memorial Lecture | 2017 | Food Science & Technology |
| 5 | Dr DV Rege Memorial Lecture | 2017 | Beyond Traditional Foods |
| 6 | Dr PV Suryaprakasa Rao Memorial Lecture | 2017 | Food and Nutritional Security: Role of Community based Business Models |

In the year 2017, Dr DV Rege and Dr PV Suryaprakasa Rao Memorial Lectures were organized during the 26th ICFoST as a part of the Diamond Jubilee year of AFST (I).

Seminar on Yoga, Food and Health

On the occasion of second International Yoga Day, AFST(I) organized One day seminar on “Yoga-Food and Health” on 21 June 2016 at Gyan Sarovar (Yoga Bhavana), Lingadevarakoppalu, Hunsuru Road, Mysuru. The objective of this seminar was to connect the food (R&D) and yoga (spirituality) with health (well-being) and create awareness among stakeholders for betterment of the self and humanity at large by using the wisdom of knowledge workers by providing them a platform of AFST(I). This marked the start of the Diamond Jubilee Year program of AFST (I).

This seminar was conducted in collaboration with Prajapita Brahmakumaris Ishwariya Vishwa Vidyalaya (PPBKIVV), Mysuru and CSIR-CFTRI, Mysuru. The program was presided over by Rajyogini BK Lakshmiji and

compeered by BK Ranganatha. Dr BB Borse, Principal Scientist, CSIR-CFTRI and Hon. Secretary, AFST(I), Mysuru, welcomed the gathering of about 200 participants. The program and seminar was attended by the members of AFST(I), staff of CSIR-CFTRI and DRDO-DFRL (Defence Food Research Laboratory), Mysuru. Seminar topics delivered are presented in Table 8.

Table 8. Seminar talks on Yoga, Food and Health

| Sl Nr | Speaker | Topic |
|-------|--|---|
| 1 | BK Ranganath, Principal, Rajayoga Education & Research Foundation PPBKIVV, Mysuru | Introduction to PPBKIVV and its worldwide services for humanity |
| 2 | Prof Ram Rajasekharan, Director CSIR-CFTRI, Mysuru | Food for yogis |
| 3 | Rajyogini BK Sharada Director, PPBKIVV, Mandya, Karnataka | True yoga and Rajayoga meditation with live demo |
| 4 | Dr RK Sharma, Director, DRDO-DFRL, Mysuru | Food technologies and services and programs of DFRL |
| 5 | Dr Asna Urooj, HoD, DoS in Food Science and Nutrition, University of Mysore, Mysuru | Food for health and diabetes |
| 6 | Sri Brahkumar, Manager, Tata Steel, Bhilai | Science and practice of Rajayoga meditation |
| 7 | Rajyogini BK Lakshmi, Sub Zone Chief & Director, Mysuru sub zone, PPBKIVV (HQ, Gyan Prakash Bhavana, Yadavagiri) | Origin, significance of Rajayoga as subtle food for health and well-being |

SOCIETAL OUTREACH

Interacting and collaborating with the personnel and organizations engaged in activities related to food handling, processing and trade in order to produce safe food is also one of the objectives of AFST(I). In view of this AFST(I) has taken up many activities from time to time some of which are outlined below.

I. Educational intervention program on health and nutrition knowledge and practice for school children

Malnutrition is prevalent especially among children in India possibly due to low purchasing power, illiteracy, inadequate knowledge about health and

nutrition and the importance given to wholesome food by parents. Various efforts are being made to combat under nutrition of vulnerable sections of population. Provision of mid-day meal is one of important national strategies to combat malnutrition in children. In addition, importance is also placed on providing health and nutrition education to strengthen knowledge and practice in women. A Science Center, a unit of Karnataka Rajya Vigyan Parishat realising the importance of health and nutrition education, approached the faculty members of the department of Food Science and Nutrition, University of Mysore and CSIR – CFTRI, Mysuru, to undertake a program in schools as the faculty from these institutions are well-versed in conduction of such programs. The financial assistance for this program was provided by AFST(I), Mysuru and Karnataka Rajya Vigyan Parishat. This work was taken up in July 2007 by a team of professors from University of Mysore and scientists of CSIR-CFTRI and DRDO-DFRL, Mysuru. The program was carried out during 20 August 2007 - 12 February 2008 and the report of the work done was submitted to AFST(I) by the team in June 2008. The salient features of the work carried out are mentioned below.

Children numbering 319 (219 girls and 100 boys) of around 13 years of age from four Government schools and one Government aided school located in and around Mysuru city were selected for the study. The total contact time to educate children in each school was 26 hours including 5 hours of exhibition in one academic year. Questionnaires, anthropometric measurements (measuring height and weight of children) and educational tools such as lectures with power point presentation, songs, games and skit formed the approach to bring awareness among the children. The children were eager to learn new things and very actively participated in all the programs. The team recommended that the nutrition and health aspects should be part of curriculum or extracurricular activities especially for Primary and High School children to lead a happy and healthy life.

II. Training and education on food safety and hygiene for street food vendors

Street foods are ready-to-eat foods and beverages prepared instantly and sold to the consumers by vendors at stations, bus terminals, shopping centers

etc. Street foods play an important role in urban life as they provide less expensive and fairly nutritious alternative to the consumers coming from different socio-economic strata. The National Policy for Urban Street Vendors indicates that street vendors constitute approximately 2% of the Indian population of metropolis, which is roughly estimated to be at 10 million. However, on many occasions food processing by street vendors could be unhygienic. Consumption of unwholesome and contaminated food leads to malnutrition and health problems. In the wake of popularity of street foods, it is imperative to ensure safety of street foods as well as promoting consumer awareness on food safety. In this context, AFST(I) has taken up an initiative for upgrading the quality of street foods in India.

The team of scientists and members of AFST(I) made a detailed study of present status of handling, use of utensils for processing, plate-supply of street foods, handling of waste etc. Pre-operational, operational and post-operational phases for improving the processing conditions were considered. The report submitted in the year 2008 by the team included planning details with respect to design of vending stalls, hygienic aspect of handling and processing of foods, road map for establishing street foods units at state and national levels, man power requirements and financial projections.

III. Meat and chicken marketing at Devaraj market in Mysuru city

Consumers of meat, fish and eggs constitute about 73% of Indian population. However, handling of meat animals and processing conditions for meat production in India are far from satisfactory both in slaughter houses established by local governments and clandestine slaughtering in place of marketing of meat. In this context, AFST(I) in the year 2008 under took a study on the practice of handling, processing of meat animals including chicken and marketing of meat produced in Mysuru city in order to suggest improvements about the hygienic aspects involved in meat production to make available the safe hygienic meat for consumers. The study carried out included status of slaughter house, how animals are handled and processed for meat production, availability of water and sanitation aspects, handling and processing of byproducts and wastes, transport of carcasses from slaughter house to meat markets, meat and chicken stalls in different locations, packing

of meats for sale to consumers, preservation of unsold meat/carcasses, responses and needs of meat processors and consumers, as well as interaction of shop owners with corporation authorities.

The recommendations made by the team based on the study were: (i) There is very little scope for improving the conditions in the existing slaughter house from the point of hygiene and sanitation. The situation demands the need for construction of modern meat production unit preferably in different location. (ii) It is necessary to construct model meat and chicken stalls for sale of hygienic meat. (iii) There is an urgent need for training the personnel on handling chicken and meat processing in hygienic way of handling animals and carcass for the production of wholesome meat for the consumers.

COLLABORATION WITH FSSAI

AFST(I) is working as partner with Food Safety and Standards Authority of India (FSSAI) under the Ministry of Health and Family Welfare, Government of India. AFST(I) is an approved Training partner of FSSAI under skill India program and covered over 100 Training programs for benefits of students and food Industries during 2017-18. AFST(I) supported Eat Right Movement of FSSAI by disseminating the information through all chapters spread throughout the country. Together with Food and Drugs Administration (FDA) and FSSAI, AFST(I) also initiated the Project Bhog – Blissful Hygienic offering to God and conducted over 350 training programs all across India at different pilgrim centers during the year 2017 - 18.

Industrialization and mass production of pre-processed, ready-to-eat and ready-to-drink foods are the requirements of the day. Standardization of protocols for production, testing (quality assurance and quality control) and the food standards are being implemented by Government of India under the umbrella of FSSAI. The contributions of our association in guiding the challenges and requirements for providing safe food have been recognized throughout the country. It is our endeavor to promote AFST(I) to play a major role to serve the humanity through better food.

AFST(I) FELLOWS

AFST (I) Fellowship recognizes individuals for their significant contribution in overall scientific and technological aspects of Food Science and Technology and confers "Fellow of Association of Food Scientists and Technologists (India)" to the distinguished personalities. The names of AFST(I) Fellows are listed in Table 9.

Table 9. Fellows of AFST(I)

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|-------------------------|-------|------|-------------------------|
| 1 | 1988 | Mr MK Panduranga Shetty | 23 | 1988 | Dr KT Achayya |
| 2 | 1988 | Mr SK Majumder | 24 | 1989 | Dr KKG Menon |
| 3 | 1988 | Col OP Kapur | 25 | 1989 | Dr A Srinivasan |
| 4 | 1988 | Mr Laljeet Singh | 26 | 1989 | Dr AM Nanjundaswamy |
| 5 | 1988 | Dr TR Sharma | 27 | 1990 | Dr LV Venkataraman |
| 6 | 1988 | Dr AG Naik Kurade | 28 | 1990 | Dr S Ranganna |
| 7 | 1988 | Dr VH Potty | 29 | 1990 | Mr VB Oberoi |
| 8 | 1988 | Mr NA Pandit | 30 | 1990 | Dr Sunit Mukherjee |
| 9 | 1988 | Dr MS Swaminathan | 31 | 1990 | Mr HC Bhatnagar |
| 10 | 1988 | Mr SN Pochkan Wala | 32 | 1991 | Dr Richard Joseph |
| 11 | 1988 | Dr HAB Parpia | 33 | 1991 | Dr M Mahadevaiah |
| 12 | 1988 | Dr KK Iya | 34 | 1991 | Dr SC Basappa |
| 13 | 1988 | Dr BL Amla | 35 | 1991 | Dr V Srinivasamurthy |
| 14 | 1988 | Dr PK Vjayaraghavan | 36 | 1991 | Dr RB Verma |
| 15 | 1988 | Dr AN Bose | 37 | 1992 | Dr TS Satyanarayana Rao |
| 16 | 1988 | Dr BV Rege | 38 | 1992 | Dr ML Shankaranarayana |
| 17 | 1988 | Dr H Nath | 39 | 1992 | Dr CP Ananthkrishnan |
| 18 | 1988 | Dr TN Ramachandra Rao | 40 | 1992 | Dr PJ Dubash |
| 19 | 1988 | Dr PK Kymal | 41 | 1993 | Dr SS Arya |
| 20 | 1988 | Dr MR Chandrashekhara | 42 | 1993 | Dr V Prakash |
| 21 | 1988 | Dr CP Natarajan | 43 | 1994 | Prof BS Bhatia |
| 22 | 1988 | Dr BP Baliga | 44 | 1994 | Dr SR Padwal Desai |

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|---------------------------|-------|------|--------------------------|
| 45 | 1994 | Dr Susanth K Ray | 72 | 2001 | Dr AS Bawa |
| 46 | 1994 | Dr (Ms) D Vijaya Rao | 73 | 2001 | Dr Hosahalli Ramaswamy |
| 47 | 1995 | Dr Anantharaman S Aiyar | 74 | 2002 | Prof Joseph H Hulse |
| 48 | 1995 | Dr Jiwan S Sidhu | 75 | 2002 | Dr Sounder Divakar |
| 49 | 1995 | Dr JS Pruthi | 76 | 2002 | Dr NG Malleshi |
| 50 | 1995 | Dr P Narasimham | 77 | 2003 | Dr (Mrs) Vijaya Khader |
| 51 | 1995 | Prof(Ms)Pushpa R Kulkarni | 78 | 2005 | Dr Satish Kulkarni |
| 52 | 1996 | Dr GA Ravishankar | 79 | 2005 | Dr RR Mallya |
| 53 | 1996 | Dr PS Pai | 80 | 2005 | Dr P Ramakrishna |
| 54 | 1996 | Dr BK Mital | 81 | 2006 | Dr K Srinivasan |
| 55 | 1996 | Dr Rugmini Sankaran | 82 | 2006 | Dr PV Salimath |
| 56 | 1997 | Dr KS Sekhon | 83 | 2006 | Dr D Narasimha Rao |
| 57 | 1997 | Dr Brahma Singh | 84 | 2007 | Prof Da-Wen Sen |
| 58 | 1997 | Dr SK Berry | 85 | 2008 | Dr Murali Krishna |
| 59 | 1997 | Dr CL Nagarsekar | 86 | 2009 | Dr Rekha S Singhal |
| 60 | 1998 | Dr SF D'Souza | 87 | 2010 | Dr TK Srinivasa Gopal |
| 61 | 1998 | Dr SK Khanna | 88 | 2011 | Prof Narpinder Singh |
| 62 | 1998 | Dr SK Mukherjee | 89 | 2012 | Dr KSMS Raghavarao |
| 63 | 1998 | Dr Sushil Kumar | 90 | 2013 | Dr VK Modi |
| 64 | 1998 | Dr PG Adsule | 91 | 2014 | Dr N Bhaskar |
| 65 | 1999 | Dr MA Rao | 92 | 2015 | Dr NK Rastogi |
| 66 | 1999 | Mr A Ramesh | 93 | 2015 | Dr GK Jayaprakasha |
| 67 | 1999 | Prof GS Chauhan | 94 | 2016 | Dr Rakesh Kumar Sharma |
| 68 | 1999 | Mr B Raghuramaiah | 95 | 2016 | Dr Brijesh K Tiwari |
| 69 | 1999 | Dr RN Tharanathan | 96 | 2017 | Dr Smita Lele |
| 70 | 2000 | Dr DR Bongirwar | 97 | 2017 | Dr C Anandharamakrishnan |
| 71 | 2000 | Mr KC De | 98 | 2017 | Dr GK Sharma |

AFST(I) AWARDS

With the main objective of promoting a high standard of technical competence, professional expertise and personal integrity towards strengthening the profession of Food Science and Technology, AFST(I) honors the talent of individuals who have contributed to the development of Food Science and Technology by offering the following awards and scholarships.

Most of these awards are presented from the corpus fund created by generous donation of individuals/organizations. The titles of the awards are listed in Table 10 and the eligibility criteria and names of each award are presented in Table 11.

Table 10. The titles of awards offered by AFST(I)

| SlNr | Name of the Award | Year of Institution |
|------|--|---------------------|
| 1 | Prof V Subrahmanyam Industrial Achievement Award | 1975 |
| 2 | Best Student Award | 1987 |
| 3 | Laljee Godhoo Smarak Nidhi Award (discontinued from 2015) | 1987 |
| 4 | Young Scientist Award | 1988 |
| 5 | Best Paper Award (JFST) | 1991 |
| 6 | Best Feature Article Award (IFI Mag) | 1996 |
| 7 | Subhash Bhatnagar Memorial Award | 1999 |
| 8 | Dr JS Pruthi Award | 2008 |
| 9 | Dr HAB Parpia Food Industry Management Award | 2009 |
| 10 | Prof Gurcharan Singh Bains Award | 2009 |
| 11 | Prof Jiwan Singh Sidhu Award | 2009 |
| 12 | Dr PP Kurien Award | 2010 |
| 13 | Low Cost Technology Development Award (by Mr MR Mukunda) | 2010 |
| 14 | Dr KR Bhattacharya Memorial Travel Grant | 2016 |
| 15 | Dr DB Wankhede Excellence Award | 2017 |
| 16 | Prof Carl Hoseneay Award | 2017 |

A. Prof V Subramanyam Industrial Achievement Award

This award is meant to recognize outstanding contributions in promotion of Food Processing Industry. Proven significant contributions for the enrichment of Food Science / Technology and the development of agro-based food and allied industries in India are mainly considered for the award. This

award is sponsored by AFST(I).

Table 11. AFST(I) Awardees

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|-----------------------|-------|------|------------------------------|
| 1 | 1975 | Dr HSR Desikachar | 17 | 1991 | Dr SS Arya |
| 2 | 1976 | Dr A N Bose | 18 | 1991 | Dr AM Nanjundaswamy |
| 3 | 1977 | Dr GS Siddappa | 19 | 1992 | Mr Ramesh J Chauhan |
| 4 | 1978 | Dr PK Kymal | 20 | 1994 | Mr Vikram Reddy V |
| 5 | 1980 | Mr CP Natarajan | 21 | 1996 | Dr M Mahadeviah |
| 6 | 1981 | Dr TN Ramachandra Rao | 22 | 1998 | Dr V Prakash |
| 7 | 1982 | Mr Vittal Mallia | 23 | 1999 | Mr BR Bedekar |
| 8 | 1983 | Dr V Kurien | 24 | 2000 | Mr MR Chandrasekhara |
| 9 | 1984 | Dr HAB Parpia | 25 | 2001 | Dr AS Aiyar |
| 10 | 1985 | Dr BL Amla | 26 | 2001 | Mr PV Surya Prakash Rao |
| 11 | 1986 | Dr DV Rege | 27 | 2002 | Mr P Sadananda Maiya |
| 12 | 1987 | Dr TR Sharma | 28 | 2003 | Dr GA Ravishankar |
| 13 | 1987 | Mr NA Pandit | 29 | 2005 | Mr B Raghuramiah |
| 14 | 1988 | Dr AG Naik Kurade | 30 | 2009 | Mr Parshuram Bhaskar Chitale |
| 15 | 1989 | Mr HC Bhatnagar | 31 | 2013 | Dr Ratnakar Ramrao Mallia |
| 16 | 1990 | Dr VH Potty | 32 | 2016 | Dr MM Krishna |

B. Best Student Award

The award is to be given to M Sc /BE /B Tech students in the field of Food Science / Nutrition / Technology / Engineering having a distinguished academic record and should be below 25 years of age. This award is sponsored by AFST(I).

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|----------------------------|-------|------|--------------------------|
| 1 | 1987 | Ms Juhi Raikhy | 9 | 1998 | Mr Manish Kumar |
| 2 | 1988 | Ms Ashima Jain | | | Maruti Rao Antwal |
| 3 | 1989 | Mr Pradeep Kumar Sharma | 10 | 1999 | Ms P Preeti |
| 4 | 1990 | Mr Wasesh Abdul Kadar | 11 | 2000 | Mr Devaraj Dabas |
| 5 | 1991 | Ms Monica Sharma | 12 | 2001 | Ms Puneet Sharma |
| 6 | 1992 | Mr N Bhaskar | 13 | 2002 | Ms C Kavita |
| 7 | 1994 | Mr Vinay Kumar | 14 | 2003 | Mr Rohan Vijay Tikekar |
| 8 | 1997 | Ms Jaya Malik | 15 | 2004 | Mr AS Raghu Ram |
| | | | 16 | 2005 | Ms Amritkumar B Majumdar |

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|-------------------------|-------|------|----------------------|
| 17 | 2006 | Mr Sanjeev Kumar Sharma | 24 | 2012 | Ms Neelam Rawat |
| 18 | 2007 | Ms Ashi Garg | 25 | 2013 | Ms S Akshaya |
| 19 | 2009 | Ms Swamy Gebriala John | 26 | 2014 | Ms Akanksha Dalmia |
| 20 | 2010 | Ms Padma Ishwarya | 27 | 2015 | Ms C Manasa |
| 21 | 2011 | Mr Shanthilal Jain | 28 | 2016 | Ms Naveena Murugesan |
| 22 | 2011 | Ms RP Roshini | 29 | 2017 | Ms Pooja Mohan |
| 23 | 2012 | Ms Lalitha Pravalika | | | |

C. Laljee Godhoo Smarak Nidhi Award*

This award is to recognize an R & D team or an individual with scientific contributions in the areas of Food Science and Technology or allied fields. In case of teams, an integrated and equally contributed out puts towards the common field by the team forms the major criteria.

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|--|-------|------|---|
| 1 | 1987 | Dr Susanta Kumar Roy, Dr AM Nanjundaswamy | 16 | 2002 | Dr Gudipati Muralikrishna |
| 2 | 1988 | Dr M Mahadevaiah, Mrs RV Gowramma, Mr R Naresh | 17 | 2003 | Dr NK Rastogi |
| 3 | 1989 | Dr JR Rangaswamy, Dr JS Sidhu | 18 | 2004 | Dr MN Ramesh |
| 4 | 1990 | Dr SC Basappa | 19 | 2005 | Dr Narpinder Singh |
| 5 | 1991 | Dr V Prakash | 20 | 2006 | Mr PS Raju |
| 6 | 1992 | Dr (Ms) TN Prabha | 21 | 2007 | Dr S Nadanasabapathy, Mr VA Sajeevkumar, Mr R Kumar, Mr Johnsy George, Mr C Jayaprakash, Mr JH Laxmana, Mr R Rajamanickam |
| 7 | 1993 | Dr MK Ramamurthy & group | 22 | 2009 | Dr GK Jayaprakash |
| 8 | 1994 | Dr GA Ravishankar | 23 | 2010 | Dr N Bhaskar |
| 9 | 1995 | Dr BL Thakur | 24 | 2011 | Dr VK Modi, Dr Shylaja M Dharmesh |
| 10 | 1996 | Dr (Ms) Indirani Karunasagar | 25 | 2012 | Dr Parvatam Giridhar |
| 11 | 1997 | Dr JIX Antony | 26 | 2013 | Dr Prakash H Halami, Dr Pradeep Singh Negi |
| 12 | 1998 | Dr MC Varadaraj | 27 | 2014 | Prof Bhupendar Singh Khatkar |
| 13 | 1999 | Dr Iddya Karunasagar | | | |
| 14 | 2000 | Dr MS Thakur | | | |
| 15 | 2001 | Dr Satish Kulkarni & team | | | |

*Discontinued from 2015.

D. Young Scientist Award

The award is instituted to encourage distinguished Scientific and Technological Research in the field of Food Science/Technology amongst scientists below the age of 35 years. This award is sponsored by AFST(I).

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|------------------------|-------|------|-------------------------|
| 1 | 1988 | Dr PK Rajendra Kumar | 17 | 2004 | Mr Sukumar Debnath, |
| 2 | 1989 | Mr MC Nandeesh | | | Dr Pradeep Singh Negi |
| 3 | 1990 | Mr Beliram Thakur | 18 | 2005 | Mr Pradyuman Kumar |
| 4 | 1991 | Mr BS Sridhar | 19 | 2006 | Mr Om Prakash Chauhan |
| 5 | 1992 | Mr HS Satish | 20 | 2007 | Mr Suresh Bhamidi |
| 6 | 1993 | Mr MP Pimputkar | 21 | 2008 | Dr Kaljit Singh Sandhu |
| 7 | 1994 | Dr (Ms) Rintu Banerjee | 22 | 2009 | Dr Brejesh Kumar Tiwari |
| 8 | 1995 | Ms Sonia Dang | 23 | 2010 | Dr Maninder Kaur |
| 9 | 1996 | Dr Sudhakar Jonson | 24 | 2011 | Dr DD Wadikar, |
| 10 | 1997 | Dr SN Jha | | | Dr Deep Narayan Yadav |
| 11 | 1998 | Mr MN Ramesh | 25 | 2012 | Mr Suresh D Sakhare |
| 12 | 1999 | Dr SK Otta | 26 | 2013 | Dr Jatindar K Sahu |
| 13 | 2000 | Mr NK Rastogi | 27 | 2014 | Mr Aashithosh A Inamdar |
| 14 | 2001 | Dr S Ramachandra Rao | 28 | 2015 | Dr Shalini S Arya |
| 15 | 2002 | Dr Harsh Pal Bias | 29 | 2016 | Dr Amit Kumar Rai |
| 16 | 2003 | Mr AS Chauhan | 30 | 2017 | Dr Bhanu Prakash |

E. Subhash Bhatnagar Memorial Award

This award is to recognize, honor and encourage Technician/Technical Officer (Mechanical, Electrical and other ancillary staff) who has made significant positive contributions for the industrial productivity/research and development as related to Food Science & Technology.

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|--|-------|------|-----------------------|
| 1 | 1999 | Mr G Mohan Kumar | 4 | 2006 | Mr Ezhil Murugan |
| 2 | 2004 | Mr Surya Narayana, Mr N Raju, Mr N Muniraju | 5 | 2012 | Dr Galla Narasing Rao |
| 3 | 2005 | Mr T Ramesh | 6 | 2015 | Dr A Nagender |
| | | | 7 | 2017 | Mrs G Sulochanamma |

F. Dr JS Pruthi Award

This award is to recognize, honor and encourage a Scientist / Technologist, who made significant contribution to the development of Fruit and Vegetable Preservation industry in India.

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|-----------------|-------|------|---------------------|
| 1 | 2008 | Dr CK Narayana | 5 | 2014 | Mr PG Prabhakar Rao |
| 2 | 2009 | Dr OP Chauhan | 6 | 2015 | Dr PC Sharma |
| 3 | 2010 | Dr Sudhir Singh | 7 | 2016 | Dr I Chakraborty |
| 4 | 2013 | Dr Amith Nath | 8 | 2017 | Dr PS Negi |

G. Dr HAB Parpia Food Industry Management Award

This award recognizes any person with credible achievement in the fields of planning, development and management in Food Processing & Packaging Industries. Significant contributions for the enrichment of any sector of food processing / food packaging industry through application of modern management systems are the prime considerations for the award. This award is sponsored by AFST(I).

| Sl Nr | Year | Name |
|-------|------|--------------------------------|
| 1 | 2009 | Dr Kurain John Melamparabil |
| 2 | 2010 | Mr Rajkumar Hukmichand Chordia |

H. Prof Gurcharan Singh Bains Award

The award is conferred to a scientist / Academician who has made credible contributions in the area of Food Science / Nutrition / Technology / Engineering. The award initially was once in two years up to 2015 and then made every year since 2016.

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|--------------------|-------|------|------------------|
| 1 | 2009 | Dr Smita S Lele | 4 | 2015 | Dr Sudhir Singh |
| 2 | 2011 | Dr Asna Urooj | 5 | 2016 | Dr K Ramalakshmi |
| 3 | 2013 | Dr Indrani Dasappa | 6 | 2017 | Dr HK Manonmani |

I. Prof Jiwan Singh Sidhu Award

The award is to recognize the teacher-par-excellence who has made significant contributions towards Teaching Food Science / Technology / Nutrition apart from encouraging and nurturing young food professionals.

| Sl Nr | Year | Name | Sl Nr | Year | Name |
|-------|------|----------------------------|-------|------|--------------------|
| 1 | 2009 | Mr Dharmesh Chandra Saxena | 4 | 2012 | Dr Bimlesh Mann |
| 2 | 2010 | Dr Ananda Ramakrishnan | 5 | 2015 | Dr G Venkteswaralu |
| 3 | 2011 | Dr Usha Ravi | 6 | 2017 | Dr VR Srija |

J. Dr PP Kurien Award

This award is to honor an Individual for his/her excellence in research and development in Pulse Processing and Utilization.

| Sl Nr | Year | Name |
|-------|------|----------------------------|
| 1 | 2010 | Dr (Mrs) VB Sasikala |
| 2 | 2012 | Dr (Mrs) Sila Bhattacharya |
| 3 | 2013 | Dr Rodge Ashok Bhujangrao |

K. Low Cost Technology Development Award (Sponsored by Mr MR Mukunda)

This award recognizes a Team or an Individual for their contribution to the development of best Low Cost Technology in the field of Food Science / Technology or allied fields. Cost-effective and energy efficient technology as recognized by licensing authority, national professional bodies or entrepreneurs are considered for the award.

| Sl Nr | Year | Name |
|-------|------|------------------------------|
| 1 | 2010 | Dr (Mrs) Sila Battacharya |
| 2 | 2016 | Dr Rajan Sharma |
| 3 | 2017 | Mr Dev Kumar Yadav, Ms Neera |

L. Prof Carl Hoseney Award

This award is to recognize honor and encourage a Scientist / Technologist, who made significant contribution to the development of Cereal Science and Technology. This award is open to Indian Scientist / Academician working in either India or Abroad.

| Sl Nr | Year | Name |
|-------|------|---------------|
| 1 | 2017 | Dr BS Khatkar |

M. Dr DB Wankhede Excellence Award

The award is to recognize any Food Scientist/Technologist with credible achievement in the field of Biochemistry and/or Carbohydrate/ Edible gums research for development of Food Processing Industries giving preference to scientist/ technologist who establish Research Linkage/ Utility to industry.

| Sl Nr | Year | Name |
|-------|------|----------------------------|
| 1 | 2017 | Shri Walde Sudhir Gopalrao |

N. JFST Best Paper award

The best paper is judged by the peers in the area of Food Science and Technology.

| Sl Nr | Authors | Article title | Published in JFST Volume (Issue), Page, Year |
|-------|---------|---------------|--|
|-------|---------|---------------|--|

FOOD SCIENCE

| | | | |
|---|---|---|----------------------|
| 1 | Indudharaswamy YM | Changes in free fatty acids and instant infestation during disc shellers | 30 (5), 324, 1993 |
| 2 | Ten Hove, Das H | Evaluation of yield, texture and cooking time of Rasgolla | 32(2), 109-114, 1995 |
| 3 | Sandeep K Chauhan, Thakur KS, Dwivedi SK, Amandeep Bhanot | Storage of apple as affected by pre and post-harvest treatments of neem based formulations, plant extracts and leaves | 45(6), 484-489, 2008 |

| Sl Nr | Authors | Article title | Published in JFST Volume (Issue), Page, Year |
|-------|--|--|--|
| 4 | Ghoshal G, Basu S, Shivhare US | Effect of hydrocolloids on rheological, chemical and sensory properties of carrot- tomato blended sauce | 46(3), 202-206, 2009 |
| 5 | Balaraman Manohar, Soundar Divakar | Enzymatic synthesis of cholesterol glycosides using β -glucosidase from sweet almond | 47(5), 469-475, 2010 |
| 6 | Paramita Bhattacharjee, Suranjan Panigrahi, Dongqing Lin, Catherine M Logue, Julie S Sherwood, Curt Doetkott, Martin Marchello | A comparative qualitative study of the profile of volatile organic compounds associated with Salmonella contamination of packaged, aged and fresh beef by HS-SPME/GC-MS | 48(1), 1-13, 2011 |
| 7 | Hameed Banu, Itagi N, Vasudeva Singh | Preparation, nutritional composition, functional properties and antioxidant activities of multigrain composite mixes | 49(1), 74-81, 2012 |
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| 9 | Addas Doosti, Payam Ghasemo Dehkordi, Edrahim Rashimi | Molecular assay to fraud identification of meat products | 51(1), 148-152, 2014 |
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FOOD TECHNOLOGY

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| 15 | Vijay Paul, Rakesh Pandey, Srivastava GC | Ripening of tomato (<i>Solanum lycopersicum</i> L.) Part II: Regulation by its stem scar region | 47(5), 527-533, 2010 |
| 16 | Shima Yousefi, Zahra Emam-Djomeh, Mousavi SM | Effect of carrier type and spray drying on the physicochemical properties of powdered and reconstituted pomegranate (<i>Punica Granatum</i> L.) juice | 48(6): 677-684, 2011 |
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O. IFI (Mag) Best Feature Article Award

The best feature article is judged by the peers in the area of Food Science and Technology.

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| 1 | Raghunandan, Purkayastha, Vinay Harmadhikar | Application of electronics and computers for small scale processing industry | 15 (1), 18-28, 1996 |
| 2 | Pattnaik, Batish VT, Sunita Grover | BIND Assay: An innovative technique for rapid detection of pathogens in foods | 16 (1&2), 63-66, 1997 |
| 3 | Ganesh Kumar C, Asit Sharma, Kanawjia SK | Prospectus for bioproduction of food flavours | 17(2), 98-111, 1998 |
| 4 | Tewari G, Jayas DS | Aseptic processing and packaging: promising packaging technique for food processing industries | 18(1), 23-33, 1999 |
| 5 | Dharmendra BV, Ganesh Kumar C, Mathur BN | Time – temperature indicators as shelf-life monitors in food industry | 19(3), 181-189, 2000 |
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| 8 | Preeti P, Leelavathi K | Bromate replacers in bread | 22(6), 51-56, 2003 |
| 9 | Bhupinder K, Gurusharan K, Amarjit K, Navdeep K Bhatti, Mankaran S, Sandhu, Kamalpreet | Natural scavengers: Fresh VS Processed foods | 23(2), 51-60, 2004 |
| 10 | Nusrath Nasir | Nutrition labeling - Global perspective | 27(1), 33-41, 2008 |
| 11 | Chakravarthi A, Punit Kumar HN, Suvendu Bhattachary | Jilebi – An Indian traditional sweet: Attributes, manufacturing practices and scope for large scale production | 28(2), 30-36, 2009 |
| 12 | Joyce Jemima Soundarajan, Lalit Kagliwal, Rekha S Singhal | A safety considerations of drug-nutraceutical interaction | 29(6), 29-43, 2010 |
| 13 | Mukesh Kapoor | Nanotechnology in food sector: Current developments and future prospects | 30(4), 44-45, 2011 |
| 14 | Shivani Pathania, Savita Sharma, Balijit Singh | Carbohydrate: A versatile food component | 31(4), 43-53, 2012 |
| 15 | Mangaraj S, Mogapatra D, Patil RT | Processing of pulses: equipment and technology | 32(2), 27-44, 2013 |
| 16 | Rubra Shalini Gaur, Sethi, Sagar VR | Food packaging waste: Handling and disposal issues | 33(1), 47-52, 2014 |
| 17 | Rabi Ranjan Naik | Chemical residues in meat: A great issue in food industry | 34(4), 21-35, 2015 |

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| 18 | Rajan Sharma, Kripa Seth, Savita Sharma, Baljit Singh | Food industry byproducts: Functional ingredients for value added products | 35(2), 35-46, 2016 |
| 19 | Payal Singh, Rekha Rani, Bhopal Singh, Chetan Dharaiya, Dilip Kumar Thompson | Foodomics – A new analytical tool | 36 (2), 8-13, 2017 |

AFST(I) EDUCATION & PUBLICATION TRUST

AFST(I) formed a Trust named AFST(I) Education & Publication Trust in the year 1988. The Trust encourages scientists to bring out Booklets and Monographs on various subjects related to food. Some of the booklets and monographs were brought out by the trust as detailed in Table 12.

Table 12. Booklets and monographs brought out by the trust

| Sl Nr | Title | Author(s) | Year |
|-------|--|---|------|
| 1 | Prof V Subrahmanyam Commemorative issue | VS Govindarajan and team | 1980 |
| 2 | Pesticide Residues in Foods and their Safety Limits | Dr JR Rangaswamy | 1994 |
| 3 | Food Science & Technology Training Opportunities | Dr TR Sharma, Dr RP Singh Mr SK Majumdar | 1998 |
| 4 | Canners Manual | Dr S Ranganna | --- |
| 5 | Fruits & Vegetables Technology – Process & Product Development | Dr AM Nanjundaswamy | 2008 |
| 6 | Aflatoxins, Formation, Analysis and Control | Dr SC Basappa | 2009 |

A COLLOQUIUM

One day colloquium was organized by the Trust on the topic **"General Agreement on Tariffs and Trade: An Opportunity or Challenge to Indian Food Industry"**. It was held on 10 June 1994 in CSIR – CFTRI, Mysore. A compendium of this colloquium was published in 1994 compiling lectures delivered by various speakers.

SCHOLARSHIPS

With an intention of encouraging the students to pursue studies in Food Science and Technology, the Trust offers scholarship to meritorious students studying in the final year Post Graduate Course in Food Science & Food Technology. Names of the selected candidates will be announced in the Annual Convention. Table 13 presents the list of students provided with the scholarship from the Trust.

Table 13. Students provided with the Scholarship from
AFST(I) Education & Publication Trust

| Sl Nr | Year | Name |
|-------|------|---|
| 1 | 1996 | Mr Jagadeep Singh Marahar |
| 2 | 2009 | Ms Geethika Bald, Ms Lakshmi Shankaranarayan |
| 3 | 2010 | Ms R Renuka, Ms Sahitya Lalitha Kameshwari, Ms Vrutuja Mone |
| 4 | 2011 | Ms Sarnali Dutta Majumdar, Mr Vithale Piyush Suresh |
| 5 | 2012 | Ms RP Roshani, Ms Manjari Singh |
| 6 | 2013 | Ms Pooja Tiwari, Ms Tejaswi Vaddiparthi |
| 7 | 2014 | Ms V Bhavana, Ms C Manasa |
| 8 | 2015 | Ms R Anusha, Ms B Roshini, Ms Vrushti Shah, Ms Aroshi Sharma |
| 9 | 2016 | Ms Aleena T Mathews, Ms Shubham Goyal, Ms Sumita Kumari, Ms Mercy Jose, Mr Deshpande R Hemant, Mr Sandeep Kumar Yadav, Ms Meenu Roperia, Ms Veena Chowdary |
| 10 | 2017 | Ms Tanu Malik |

WEBSITE

The website of AFST (I) was first created in the year 2008. M/s Marico Ltd, Mumbai, supported the maintenance cost for the website during the years 2010–12. For continuous improvement of the website, the CEC constituted a website management committee. In the year 2016, the website committee and the CEC felt that the website needs to be sustainable and requires management by professionals. The new web domain, which came into existence in the year 2018, has following configuration: Linux server , RAM: 4 GB, CPU: 2 Core CPU, Storage Capacity: 80 GB (Ubuntu Server 16.04 LTS 64 bit Instance in Digital Ocean's cloud with Tomcat Server + Apache 2.4 + MySQL Server + PHPMyadmin + Webmin + server with EBS based root storage. The website development is completed in 2 phases and AFST(I) started receiving online registrations for membership as well as for the conferences. A bulk SMS service to disseminate information to members was initiated in 2016. This has been widely welcomed by all the members. The website can be accessed through www.afsti.org.

The Electronic voting (E-voting) for the office bearers for the year 2018-19 was conducted in November 2018 after mock E - voting in September 2018. With the advent of digitalization and globalization, the activities of AFST(I) are also upgraded to meet the demands of current requirements.





Current Membership Tariff

Membership year is January-December. Fee structure effective from 01 July 2017 inclusive of 18% GST is given below to facilitate making the payment.

| Category | Membership fee in INR | Admission fee in INR | *Life membership will be offered only after completing 2 continuous years of full membership. However, there is an option to apply directly for Life Membership by paying 2 years full membership fee, admission fee and life membership fee together which is INR 11446. |
|----------------------------------|-----------------------|----------------------|---|
| Full Membership | 944 | 118 | |
| Affiliate Membership | 1770 | 118 | |
| Life Membership* | 9440 | - | |
| Direct Life Membership | 11328 | 118 | |
| Student Membership (for 2 Years) | 590 | 59 | |
| Corporate membership | 11800 | 118 | |

Payment details: DD/Cheque in favour of AFST(I), Mysuru. For online payment, please mail the transaction details immediately to afstimys@gmail.com.

Online payment details

Name of the account holder : Association of Food Scientists and Technologists (India)
Bank : STATE BANK OF INDIA
Branch : CSIR-CFTRI BRANCH
Place : MYSURU-570020
Type of Account : CURRENT
Account No : 36903080893
MICR Code : 570006003
IFSC Code : SBIN0040055

Renewal: For renewal, Members may please visit our website (www.afsti.org) and register membership online. While filling the payment details, take Offline Payment option and fill it with details of DD/Cheque or NEFT with date and submit to complete renewal formalities.

Student Members who wish to continue in the same category need to enclose a letter from the Head of their Institution certifying the bona fides of the claim.

Change of Contacts: Changes in the Postal address, Mobile and Email ID may please be communicated immediately.

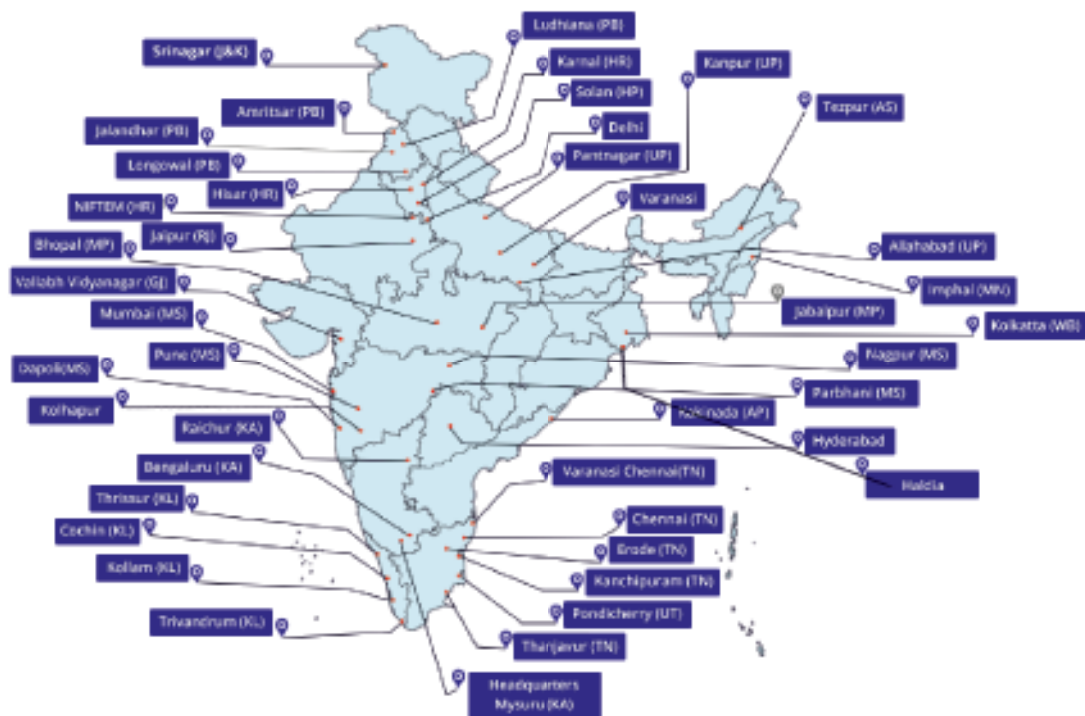
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AFST(I) Chapters





ASSOCIATION OF FOOD SCIENTISTS AND TECHNOLOGISTS (INDIA)

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