



Vol. 5 / Issue 1

NEWSLETTER

January - March 2020

From the Director Desk



While the world is facing unprecedented crisis due to the CoVID19 outbreak, our institute has also come across unprecedented & remarkable events, loaded with full of surprise, during the span of Jan' to March 2020 and I am pleased to convey those memories with this newsletter for the period January – March 2020. The starting month of this

INSIDE

Academic and Core Activities

Industrial Visits

Events

Awards and Recognitions

Publications

new year was full of amazing events. iFesty 20 was initiated

as inter collegiate cultural fest on 10th of January 20, which was completely organized by our students. More than 200 students from 30 colleges have participated in various bouts and secured their prices.

Institute has organized 2nd Canada-India Joint Workshop on Value-Addition in Pulses: Strengthening Scientific Partnerships in collaboration with Agriculture and Agri-Food Canada (AAFC) Canada during 22nd and 23rd of January 2020. More than 70 delegates across the country and 10 delegates from Canada have participated in the workshop. It has ended with constructive, fruitful suggestions and work plans.

On 30th January, the institute Food Testing and Training centre was inaugurated by Ms.Rita teaotia, Chairperson, FSSAI. On the same day, the institute organised one day seminar on Eat right India. During the event, Institute signed MoUs with the main Hindu Temple authorities to maintain food hygiene in their Annadhan scheme. IIFPT had participated in the National Organic Festival of Women Entrepreneurs inaugurated on 21st to 23rd February 2020 at New Delhi. IIFPT was awarded with AICTE's Utkrisht Sansthan Vishwakarma Award 2019 for the exemplary contribution to enhance the income of villages through food processing.

On 6th March 2020, institute attained its decadal dream by acquiring the adjacent land of 14.5 acres. International Women's Day was celebrated on 8th March 2020, part of that one-day training for women on "Empowerment of Rural Women by Nurturing Food Entrepreneurship Skills" was also organized. There were much more events and achievements happened during this period. Let us have a glance.

We look forward to hear from you.

About the Publication

IIFPT News is an quarterly publication of Indian Institute of Food Processing Technology aimed at brief compilation and highlighting of the activities / information of different academic, research, extension and HRD activities taken up in the institute.

© 2018 All rights reserved by the Indian Institute of Food Processing Technology, Thanjavur.



Academic and Core Activities



Industrial Visit and Education Tour Activities

As a part of curriculum, IV year students of B.Tech(FPE) went on All India Study Tour in Feb' 2020. They had visited around 15 food processing industries, from flour mill to baking industry, dairy to alcoholic beverage industry. They also had exposure about various **Educational and R&D institutions** across the country, like NIAM, Jaipur, AAU, Anand, ICAR-CPRI, Simla, ICAR-CIPHET, Ludhiana. The students had experienced the various places and different parts our nation too.



Students visit at Indian Institute of Packaging, Mumbai



Students visit at Fruit Processing Industry







Industrial Visits

Students of B.Tech and M.Tech are visiting various food processing industries and institutions as per the course curriculum and learnt practical experience on field of food processing.



Major Events

Welcoming 2020 New year & Pongal celebration

IIFPT family jointly welcomed the new year 2020. The Director addressed the faculties and unveiled the Institute calendar for the new year





Brimming Pongal

During 10th of January, New year-Pongal 2020 was celebrated with the cultural cult in traditional way. Devarattam, Thappattam and Karakattam were the eye catching events during the Pongal celebration.





iFESTY-20

A great intercollegiate cultural fest named as iFESTY was organized during 10-11th of January. The complete program was structured, scheduled and organized by the students of IIFPT. Totally 20 different competitions like dancing, singing, painting, meme creation etc. More than 200 participants from 30 different colleges came and contested in the events. Overall championship was awarded to American college, Madurai, based on their best performance in many events. Mr. Sargunam, Tamil Movie Director, presided as chief guest during the valedictory function.











Enduring moments of iFESTY-20

Canada – India working together on Pulses





2nd Canada-India Joint Workshop on "Value-Addition in Pulses: Strengthening Scientific Partnerships" was organized during 22nd and 23rd of January 2020 in collaboration with Agriculture and Agri-Food Canada (AAFC) Canada. Dr. Pitam Chandra, Ex-Director, ICAR-CIAE, Bhopal has presided as chief guest and Dr. Ramesh Vijayan, Scientist C, SERB, DST has presided as Guest of honour during the inaugural function. More than 70 delegates across the country and 10 delegates from Canada have participated in the workshop. Five technical sessions on different fields of pulses were conducted. The invited experts on pulses, from crop production to crop processing, had presented their views and research findings. The workshop has ended with constructive, fruitful suggestions and work plans.





Republic day -2020

On 26th January, the institute has commemorated the country republic day with flag hosting, parade and gratified the best students, performing staff members for their credits followed by Director's address.







Inauguration of Food Testing and Training Centre

The institute new initiative, Food Testing and Training Centre was inaugurated by Ms.Rita Teaotia, chairperson FSSAI on 30-01-2020. She had visited the various facilities of IIFPT and applauded for the perseverance of IIFPT in the field of food safety and quality. Further, she has graced the one day seminar on "Eat Right India" as Chief Guest. More than 800 participants including students from different colleges had participated in the event. IIFPT had signed MoU with the HR&CE official along with the Thanjavur Big Temple authorities for technical support to maintain the food quality during Annadhanam.









IIFPT Expands Horizontally

The institute was striving for additional land for further expansion to meet out the nation needs in the field of food processing. Finally, IIFPT succeed in its longing desire by acquiring the adjutant land around 15 acres. Now the institute is on the track of expanding its infrastructure in a gigantic manner.



IIFPT cheers Women

On the event of Worlds Womens' Day 2020, IIFPT has commemorated with one day training for Women on "Empowerment of Rural Women by Nurturing Food Entrepreneurship Skills" on 08-03-2020. Dr. N. Kalaiselvi, Director, CSIR CECRI inaugurated the program and honored the participants.



Minor events

One Day Awareness Camp on "Benefits of Food Processing Business" organized by IIFPT's LO-Bathinda at Gobindpura Village, Bathinda on 19th February 2020

IIFPT participated in the National Organic Festival of Women Entrepreneurs inaugurated by Hon'ble Ministers of MoFPI on 21st to 23rd February 2020 at JawaharLal Nehru Stadium in New Delhi. IIFPT demonstrated recent technologies, gadgets and novel food products developed by IIFPT. Hon'ble Former Deputy Chief Minister, Govt. of Punjab and Hon'ble Minister of State for Human Resource Development visited the stall

Director, IIFPT delivered the keynote address in the International Conference on Banana 2020 @ Hotel Breeze Residency, Trichy organized by NRCB on 23rd February 2020.

Members of Federation of Karnataka Chambers of Commerce & Industry (FKCCI), Bengaluru visited IIFPT on 02nd March 2020

Director, IIFPT delivered invited Talk on "Nano in Agriculture" @ 11th Bangalore INDIA NANO 2020 @ Hotel The Lalit Ashok, Bengaluru on 3rd March 2020

IIFPT conducted 3 Days Training on Commercial Production of Ice Cream for 25 participants from Manyadeepika Farmer Producer Company of the Tribal Area of Sreekakulam, Andhra Pradesh @ IIFPT, Thanjavur on 3rd to 5th March 2020



While explaining the Ice Cream Production to the participants of Manyadeepika FPO, Andhra Pradesh

Former Deputy Chief Minister of Punjab, visiting IIFPT stall at National Organic Festival





Former Deputy Chief Minister of Punjab, visiting IIFPT stall at National Organic Festival

Awards and Recognitions

IIFPT was awardee with AICTE's Utkrisht Sansthan Vishwakarma Award 2019 for the exemplary contribution to enhance the income of villages through food processing. Director IIFPT received the award from Shri Ramesh Pokhriyal, Hon'ble Union Minister of HRD on 24th February 2020.





Director, IIFPT received the prestigious DBT - Tata Innovation Fellowship for the year 2019 during 34th Foundation Day Celebrations of DBT on 26th February 2020. Hon'ble Minister of Science & Technology Shri Dr. Harsh Vardhan presided as chief guest of the function and delivered the awards to the awardees.

CSIR – Fellowship Awardees

In this academic year, 04 of our students received the CSIR fellowship for their doctoral research work.



Sundus NidaPh.D (Food Process Engineering)

Kusuma Waded Ph.D (Food Process Engineering)





Mohan Naik GPh.D (Food Process Engineering)

Yoha K S Ph.D (Bio Technology)



Publications

- 1. Sethupathy, P., J.A.Moses, and C.Anandharamakrishnan, (2020). Food Oral Processing and Tribology: Instrumental Approaches and Emerging Applications. Food Reviews International, 1-34.
- 2. Niveditha.T, Fontaine Joran, Lancelot Eloïse, Rebillard Adrien, Dominique, OGE Anthony Cheio, José and V, Chidanand (2020). Evaluation of bread dough aeration during kneading by an air-jet impulse system. Journal of Food Engineering. 278. 109931. 10.1016/j.jfoodeng.2020.109931.
- 3. Mohan Naik, Ashish Rawson, Jaganmohan Rangarajan (2020). Radio Frequency Assisted Extraction of Pectin from Jackfruit (Artocarpusheterophyllus Lam.) Peel and Its Characterization. Journal of Food Process Engineering, https://doi.org/10.1111/jfpe.13389
- 4. Gaikwad, P.S., B. K. Yadav, S. Anandakumar, M. Loganathan and S. Shanmugasundaram (2020) Effect of PP Nanocomposite Multi-layered Film on Physicochemical Properties of Ready-To-Cook (RTC) Idli Batter and Prepared Idli Cake, International Research Journal of Pure & Applied Chemistry 21(1): 46-63, 2020
- 5. Kumar, S., T.Anukiruthika, S.Dutta, A.V.Kashyap, J.A.Moses and C.Anandharamakrishnan, (2020). Iron deficiency anemia: A comprehensive review on iron absorption, bioavailability and emerging food fortification approaches. Trends in Food Science & Technology. doi.org/10.1016/j.tifs.2020.02.021.
- 6. Deotale, S., S.Dutta, J.A.Moses, V.M. Balasubramaniam, and C.Anandharamakrishnan, (2020). Foaming Characteristics of Beverages and Its Relevance to Food Processing. Food Engineering Reviews, pp: 1-22.

- 7. Nida, S., T.Anukiruthika, J.A.Moses, and C.Anandharamakrishnan, (2020). 3D Printing of Grinding and Milling Fractions of Rice Husk. Waste and Biomass Valorization, pp:1-10
- 8. Gaikwad, P. S., B.K.Yadav, S.Anandakumar, M.Loganathan, and S.Shanmugasundaram, (2020). Development of High Oxygen Barrier Multi-layered Packaging Film for Shelf Life Extension of Readyto-Cook (RTC) Idli Batter. International Research Journal of Pure and Applied Chemistry, 21(1), 13-27.
- 9. Shwetha, M.S., V.R. Sinija, M. Durgadevi (2020). Secondary Metabolites and Pesticide Screening in Organic and Inorganic Tomatoes by Gas Chromatography–Mass Spectrometry and Liquid Chromatography/Tandem Mass Spectrometry. Pharmacognosy Magazines Vol. 16 (68) pp:187-192.
- 10. Anukiruthika, T., P. Sethupathy, A.Wilson, K.Kashampur, J.A.Moses, and C.Anandharamakrishnan, (2020). Multilayer packaging: Advances in preparation techniques and emerging food applications. Comprehensive Reviews in Food Science and Food Safety.
- 11. Yoha K.S., J.A.Moses, and C. Anandharamakrishnan (2020) "Effect of encapsulation methods on the physicochemical properties and the stability of Lactobacillus plantarum (NCIM 2083) in synbiotic powders and in-vitro digestion conditions". Journal of Food Engineering, 110033. https://doi.org/10.1016/j.jfoodeng.2020.110033.
- 12. Murugesan, P., Moses, J. A., & Anandharamakrishnan, C. (2020). Performance of an atmospheric plasma discharge reactor for inactivation of Enterocococcus faecalis and Escherichia coli in aqueous media. Journal of Environmental Chemical Engineering, 103891.
- 13. Leena, M. M., M.G.Antoniraj, J.A.Moses, and C. Anandharamakrishnan, (2020). Three fluid nozzle spray drying for co-encapsulation of curcumin and resveratrol and controlled release. Journal of Drug Delivery Science and Technology, 101678.
- 14. Anjaly Paul, R.Mahendran, S. Anandakumar, S Shanmugasundaram and C Anandharamakrishnan (2020) Disinfestation techniques for major cereals: A status report, Comprehensive Reviews In Food Science And Food Safety, DOI: 10.1111/1541-4337.12555 pp 1-31.
- 15. Lavanya, D, N. Venkatachalapathy, V.R. Sinija, M. Loganathan, and S. Shanmugasundaram (2020). Influence of microwave heating as accelerated aging on physicochemical, texture, pasting properties and microstructure in brown rice of selected Indian rice varieties. Journal of Texture Studies. 10.1111/jtxs.12522.
- 16. Lavanya D, N. Venkatachalapathy, V.R.Sinija, M.Loganathan, and S.Shanmugasundaram (2020). Accelerated ageing by microwave heating and methods to distinguish ageing of rice. Journal of Food Process Engineering (Accepted).

Published by

The Director,

Indian Institute of Food Processing Technology Ministry of Food Processing Industries, Government of India Pudukkottai Road, Thnajavur-613005 Tamil Nadu, India

Contact No.: +91 4362 228155 • Fax: +91 4362 227971

For general queries on training, testing, consultancy, academics and other services offered by the Institute: info@iifpt.edu.in

For e-mails to the Director: director@iifpt.edu.in