

DBT/ Center of Innovative and Applied Bioprocessing

CIAB holds conference on innovations in bioprocess technology

By Sunderarajan Padmanabhan

New Delhi, March 16: Center of Innovative and Applied Bioprocessing organised a national conference on Innovations in Bioprocess Technology (IBT-2019) from 11-13th December 2019. The conference was attended by many scientists and students from different parts of India. The inaugural ceremony was graced by Dr. T. R. Sharma (CEO, CIAB), and Padma Sri Dr V. Prakash (Chief guest of the program, Former Director, CSIR-CFTRI, Mysore & Chairman, IFRIANS).

The inaugural talk by the chief guest was on 'The science of Biotechnology in India's Food Chain-Farm to Folk to GUT'. There were eight technical sessions spread over the period of three days.

The sessions included Industrial Bioprocessing: Technology & Business, Microbial Bioprocesses, Protein Engineering and Enzyme Technology, Biotechnology Products and Processes, Biomass & Chemo-Bioprocessing, Natural Product Chemistry, Food Processing and Nutraceuticals and Young Bioprocess Innovators.

Each session comprised of lectures by scientific experts in the research field. On day 1, there were various expert talks including Dr. Ashutosh Pastor, IIT Delhi, who delivered a talk on 'Technology Transfer and Technology Business Incubator', Dr. Saswata Goswami, CIAB, who delivered a lecture on 'Waste to Wealth: The new Trend in Global Bioeconomy' etc.

Day 2 included lectures by Prof. Shashank Deep, IIT Delhi on 'Designing protocol to get aggregation prone cysteine rich protein transforming Growth Factor III in solution', Prof. U.C. Banerjee, NIPER on 'Process development for the production of microbial metabolites and enantiomeric synthesis of chiral drugs and drug intermediates', Dr. Jayeeta Bhaumik, CIAB on 'Harnessing the potential of Agri-biomass Lignin via its Conversion into Functional Nanoparticles', Dr. Bhuwan Bushan Mishra, CIAB on 'Natural Product Prioritization for Commercial implications', Dr. Sarvanamurugan Shunmugavel, CIAB on 'Renewable Chemicals from Sugars with Solid Catalysts: Role of Acid Sites' and others.

On day 3 lectures were delivered by Dr. S.K. Sharma, Ex-Advisor Ayurveda-AYUSH (Govt. of India) (Lecture Title: Ayurceuticals Approach in Food Supplements & Natural Products, a special reference to Traditional Fermentation Technology in India), Dr. Komal Chauhan, NIFTEM (Lecture Title: Extraction of Anthocyanins from *Prunus nepalensis* and its Application in Food as Biocolourant) and Dr. Koushik Mazumdar, NABI (Lecture Title: Carbohydrate based edible coatings to enhance post-harvest shelf life of horticulture

produce) and others. The conference was concluded with a valedictory session which was graced by Chief Guest Dr. Chindi Vasudevappa, Vice Chancellor, NIFTEM, Sonapat.

