

Department of Botany & Biotechnology-Activities, 2020

1st June 2020

Department of Botany & Biotechnology Organized an International Webinar on “**Functional Nano biomaterials in Biomedical Fields**”.

The speaker, Dr. Prabir K Patra is a professor and Founding Chair, Department of Biomedical Engineering, University of Bridgeport, USA.

The resource person spoke about Electro spinning of nanofibres, Cardiomyocytes, Dynamic surface tuning, Super capacitor prototype, and Use of Magneto tactic bacteria in Engineering. He emphasized on use of Nano materials in treating skin burns, cardio vascular disease and cancer. He also enlightened the students regarding various career opportunities in Biomedical Engineering.

7th June 2020

Department of Botany & Biotechnology Organized an International Webinar on “Blue Biotechnology- Drugs from our Oceans”.

The resource person Dr. LekhaMenonMargassery, Post-doctoral Researcher, President, UCC Indian Alumni Community, University College of Cork, Ireland.

The resource person spoke on the need for isolating new compounds from nature for treatment against drug resistant bacteria. She emphasized on marine sponges known as sessile filter feeders which inhabit different actinobacteria as symbions. These actinobacteria are rich source of secondary metabolites that can be used for drug development. She focussed on the protocol for isolation of active compounds from Haliclonasimulans bacterial species. Finally she motivated the participants for innovative research.

9th June 2020

Department of Botany & Biotechnology Organized an International Webinar on “**Omics and Disease Markers**”.

The resource person Dr. Suma, Research Fellow, Yong Loo Lin School of Medicine, National University of Singapore, Spoke on importance of biomolecules in the Biological System. Genomics proteomics are used as Omics which help us to visualize the functions of biomolecules. They help in studying the change in DNA & Protein in the living system with the help of Bioinformatics and thus function as markers in identifying the diseases. Dr. Suma also emphasized on various applications of Bioinformatics.

August

E- Journal Cover Page Design competition

The department of Botany & Biotechnology has organised Inter Collegiate Competition on **E- Journal Cover Page Design** with Title: **Bio – Botanica** .

Rules included Cover page title, Design in portrait A4 size, PDF or JPG format, Originality.

Last date of submission was 12th August 2020. The best design was awarded with certificate.

September

Report on Nutritional Month celebrations Webinar Series on “RIGHT FOOD - BRIGHT LIFE “ 28th -30th September 2020.

The department of Botany & Biotechnology has organised three days webinar series on “Right food –Bright life “from 28th – 30th September as part of National Nutritional month celebrations. The speakers of this webinar series were Mr. R. Naveen Kumar (Sr. Technical officer ICMR -NIN,Hyd) Dr. R. Anthanan (Scientist D, ICMR -NIN,Hyd) and Mr. Virendra Panpatil (Sr. Technical officer ICMR -NIN,Hyd).

Mr. R. Naveen Kumar (Sr.Technical officer ICMR -NIN,Hyd) 28.9.2020 spoke on the topic : “Food Safety- Myths& Facts” in which he focussed on major food safety concerns in India, Environmental contaminants, Risk assessment of food additives , Epidemiological investigations, 10 facts on food safety,Identifying critical riskpractisesamong street food handlers, Factors affecting food safety and Microbiological quality of household & Street vendor foods like Rice , Dal and chicken.

Dr. R. Anthanan (Scientist D ICMR -NIN,Hyd) 29.9.2020spoke on the topic : “Significance of Indigenous Food systems on Food and Nutrition Security“wherein he emphasised on PoshanMaah 2020, Sustainable 8 millennium development goals, eradication of hunger, Food based strategies, Global food system, Importance of Indigenous food systems , Dietary diversity, Food groups &Nutrients, Food&Nutrition security indicators.

Mr. VirendraPanpatil (Sr.Technical officer ICMR -NIN,Hyd) 30.9.2020 spoke on the topic :”Food as an Immuno- Booster” where he gave introduction to immunity, types of immunity, Antibodies, food rich in vitamin C, D ; Importance of micro nutrients like Zn, Fe, Selenium , Importance of ginger, garlic , turmeric and onions to boost immune system.

The response for this webinar series was overwhelming and 250 participants have joined the Google meet platform each day to attend the webinar series.