

Outreach Program (2021-22)

Popular Lectures:

A National Level Five Day Faculty Development program on “RECENT TECHNOLOGICAL ADVANCEMENTS IN LIFE SCIENCES” was organised by the Department of Microbiology under DBT Star College scheme from 15th - 19th November 2021 on an online platform. Opening remarks and introduction of the programme was given by Dr K.Anuradha, Head, Department of Microbiology, BVC was the convenor of this online event. The first day of the programme started with an inaugural session addressed by chief guest of the FDP, Prof B. Bhima, Head, Department of Microbiology, Osmania university. Prof Y. Ashok, principal, BVC and Mrs B.Niraimathi vice principal, BVC also took part in the inaugural session. One hundred and thirty faculty from various colleges and universities participated in this five day faculty development programme. The first speaker was Prof. Upinder S. Bhalla, NCBS,TIFR, Bangalore focused on the topic “Using light to study memory”. He explained about studies on mice brain for understanding its responses to light and impact on memory and discussed how knowledge of physics can be applied in understanding biology and behaviour of animals. Dr.Manjula Reddy, Chief Scientist, CCMB was the second speaker who described “insights into growth and division of bacterial cell wall”. During this presentation different experiments conducted for identifying the growth of peptidoglycan chain and genes involved in extension of bacterial cell wall during cell’s division were thoroughly discussed. The resource person of this session also highlighted various project topics for undergraduate and postgraduate students. On 16th November 2021, the second day of the FDP, started with the talk by Dr. Amith Asthana, Associate Dean (Research) & HOD Department of Medical Devices, NIPER elaborated on the topic “Paper Based devices fabrication and application”. This presentation focused on methods of wax printing and development of cost effective paper based kits for rapid diagnosis of pregnancy in cattle and blood typing. Dr. Srinivas Nowduri, Professor in Cyber security, Department of Computer Information Systems, PUEBLO Community College, USA was the second speaker who spoke on the topic “ Artificial intelligence in biology”. The first resource person on the third day(17-11-2021) of the programme was Dr P.Veera Brahmachari, assistant professor, dept of microbiology, Krishna University. He presented the topic “microbiome”. During this session the speaker provided deep insights of mechanisms operated by microbes to safeguard physical and mental health of human beings. Further, Dr Ashwani Mishra, Founder DNA Xperts pvt ltd spoke on “CRISPER technology” and explained its utility for human welfare. On the 4th day of FDP, Dr E. Prasad, senior scientist, R&D, DR Reddy’s laboratory presented the topic “Fermentation Technology In The Development Of API Needs For The Biopharmaceutical Industry”. Later Dr J.Sarada , Asst professor, Department of Microbiology, BVC campaigned “Y Break” which is an initiative of ministry of Ayush, central government of India. She encouraged all the participants to practice a 5min Yoga in everyday life and explained the health benefits of different asanas. Dr Poornima Chandran, Sr Strategic planner- IP project management, Prometheus patent services pvt ltd. gave an elaborated talk on Patent drafting and patentable inventions. Dr Thiyaagu, Asst professor,

Department of education, Central university, Kerala was the resource person for the final day (19-11-2021) of the event. He delivered a lecture on “MOOC’s e-content development” and enlightened the participants on how to apply and prepare the content for various online courses. The valedictory session started at 4.15 pm on 19-11-2021, Dr K.Anuradha, convenor of the FDP gave the report on the event and delivered vote of thanks

