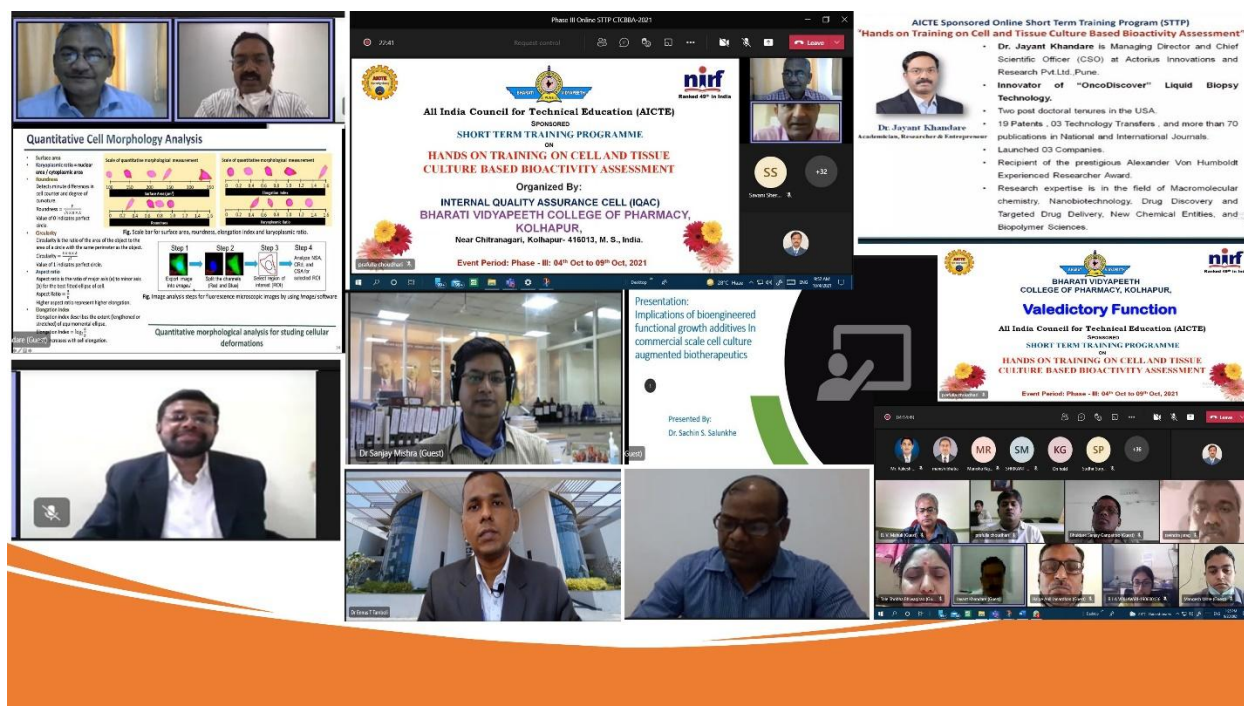


AICTE Sponsored Short Term Training Program (STTP) on “Hands on Training on Cell and Tissue Culture Based Bioactivity Assessment” organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur.



The AICTE sponsored “Short Term Training Programme (STTP)” for teachers from AICTE approved Institutions all over the India on the theme “**Hands on Training on Cell and Tissue Culture Based Bioactivity Assessment**” was organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra.

This STTP was conducted in three phases as from 30th August to 04th September, 20th September to 25th September, and 04th October to 09th October 2021 with the objectives to provide opportunity for pharmacy teachers to update their knowledge, technical and research skills pertaining to Cell and Tissue Culture Techniques to meet the demand of cell culture experimentation at institute level and its usefulness in pharmaceutical industries.

At inaugural ceremony in his key note address on “**New Education Policy 2020**” **Col. B. Venkat (Director, Faculty Development Cell, AICTE, New Delhi)** said that organization of such training programmes will be beneficial for proper implementation and execution of New Education Policy-2020 as well as to equip the faculties with the requisite scientific competency. On this occasion **Principal Dr. H. N. More** narrated educational, cultural and social contribution of Bharati Vidyapeeth College of Pharmacy, Kolhapur, while, Vice-Principal and Coordinator of the programme **Dr. M. S. Bhatia** told the objectives and expected outcomes of this Training Programme.

Dr. M. S. Bhatia said that the objective of this STTP is to provide a platform to understand cell handling, cell cryopreservation and revival, contamination of cell lines with utmost care,

selection of cell lines during metabolic and therapeutic studies, correlation of theoretical aspects of cytotoxicity with in-vitro screening, correlation of in-vitro screening to in-vivo levels, development of 2D and 3D cell culture models to study pharmacokinetic profiling studies alternative to animal studies.

With the emphasis on current trends and advances in **Cell and Tissue Culture Based Bioactivity Assessment** eminent experts from pharmaceutical industries as well as academia conducted sessions on diverse topics as **“OncoDiscover Liquid Biopsy Technology Translation from Lab to Clinic”** by Dr. Jayant Khandare, **“Cell and tissue based models for mechanism based assessment of antidiabetics”** by Dr. Satish Bhise, **Alternative to animal testing “A Primer”** by Dr. Shashikant C. Dhawale, **“Immunohistochemistry: Applications in Pre-clinical Research”** by Dr. Dadasaheb M. Kokare, **“Animal tissue culture principles and applications”** by Dr. Rahul Pathak, **“Basics of Cell and Cell culture”** by Dr. Anup Kulkarni, **“The rise of graphene expectations: Proactive practices in emergent nanotechnologies for biosensing and environmental remediation applications”** by Dr. Pravin O. Patil, **“In vitro Testing of Toxicity: A regulatory Transformation”** by Dr. Chandragouda R. Patil, **“Cell culture in drug discovery and development”** by Dr. Ruchika Kaul-Ghanekar, **“Polymerase chain reaction applications in bioactivity and genetic nature assessment”** by Dr. Ennus Tamboli, **“Role of free radicals in cardiac diseases and its bioassay”** Dr. Sandip Satpute, **“In-silico tools in bioactivity assessment”** by Dr. Kundan Ingale, **“In vitro assays for assessment of IBD potential”** by Dr. Sanjay Kumar Mishra, **“Academic challenges in Licensing and Commercialization of Patents from Cell Based Drug Discovery”** by Dr. Ajay Pillai, **“Implications of bioengineered functional growth additives in commercial scale cell cultures and biotherapeutics”** by Dr. Sachin S. Salunkhe, **“In Vitro Screening Methods in Drug Discovery”** by Dr. Sandeep B. Patil, **“Design and development of in-vitro bioassay for cardiovascular function”** by Dr. Mrs. Neela M. Bhatia, **“In silico simulation in bioactivity assessment”** by Dr. Prafulla B. Choudhari and **“Artificial Intelligence Intervention and QA-QC in Bioactivity Assessment”** by Dr. Manish S. Bhatia.

This program provided deep insight into the topic also through **virtual demonstration** of bioactivity assessment protocols using cell and tissue based models **as well as discussion** with eminent speakers. Over 400 teachers from AICTE approved Institutions all over the India participated in this programme.

The valedictory function was graced by Dr. Satish Bhise (Director, ArogyaLabh Foundation Pune), Dr. Sachin Salunkhe (Business Development Manager, DKSH India, Pvt., Ltd. Mumbai) and Dr. Ajay Pillai (Head, Project Management Cell, National Centre for Cell Science, Pune). The delegates expressed their satisfaction over the technical quality, content delivered and usefulness of topics covered in this program and opined that expecting the same in near future.

Vice-Principal Dr. M. S. Bhatia was the Coordinator of this training programme while, Prof. R. P. Dhavale, Dr. P. B. Choudhari, Mr. U. S. Patil and Mr. D. V. Mahuli were Co-coordinators of the program.