

BIO-TRANSMIT

An Annual E-newsletter that Transmits the Biotechnology Department Activities of MIT

A Sneak Peek into 2020

Message From the HOD

Dear Readers,

I am delighted to share the third volume of our departmental annual E-Newsletter for the year 2020.

The world suffered a huge loss in the form of Covid-19 pandemic. We were not an exception. However, the Department of Biotechnology, MIT could bag few guest lectures, workshops, as well as student and faculty achievements. I would like to congratulate all the students and faculty-members who actively participated in all the academic activities during this tough year.

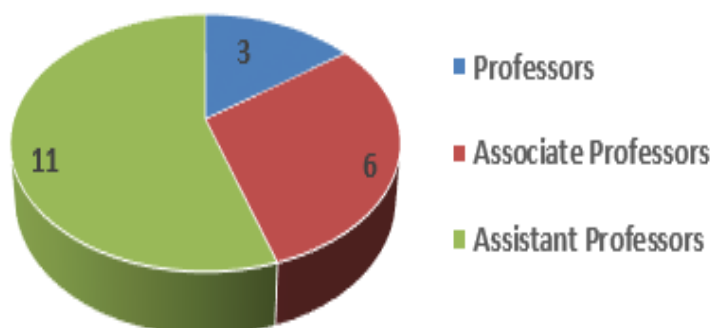
We hope that there will be more exciting news and activities from the department in the coming year.



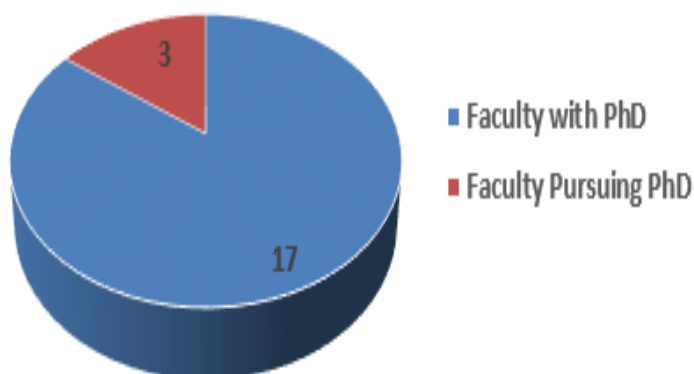
Dr. Ramananda Bhat M.

Faculty Overview

Faculty Strength



Qualification



Guest Lectures

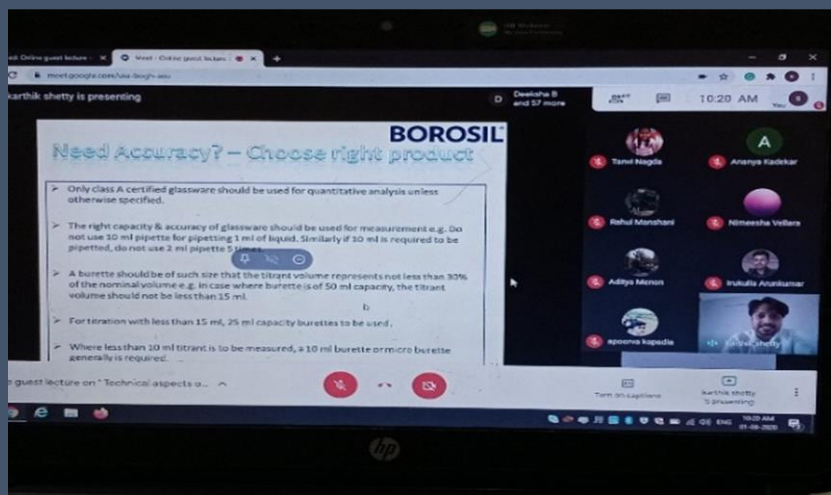
1. Virtual Webinar on "Overview of Next-Generation Sequencing Technology and Single-Cell Applications" by Mr. Jatesh Sachdeva, Deputy Manager, Premas Life Sciences on 27th July 2020.

The speaker described about the latest techniques in DNA analysis and the recent advancements in Next-Generation Sequencing Technology.



2. Online Guest Lecture on " Technical Aspects of Glasswares and Good Laboratory Practices" by Mr. Karthik Shetty, Senior Executive, Borosil Ltd. on 1st August 2020.

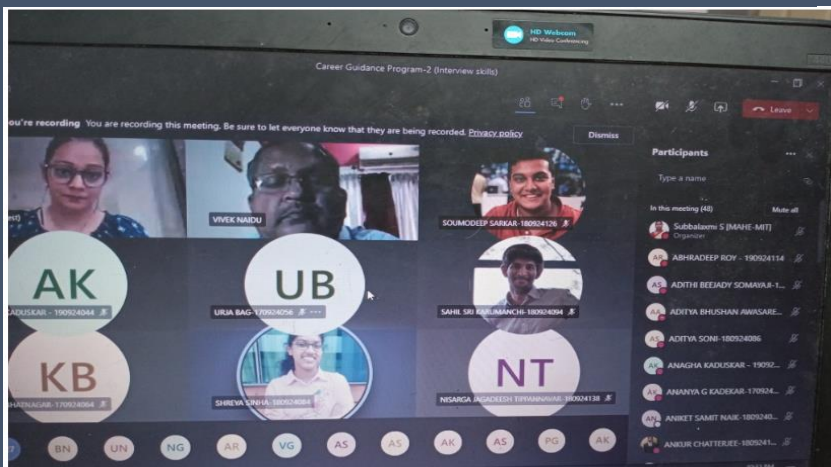
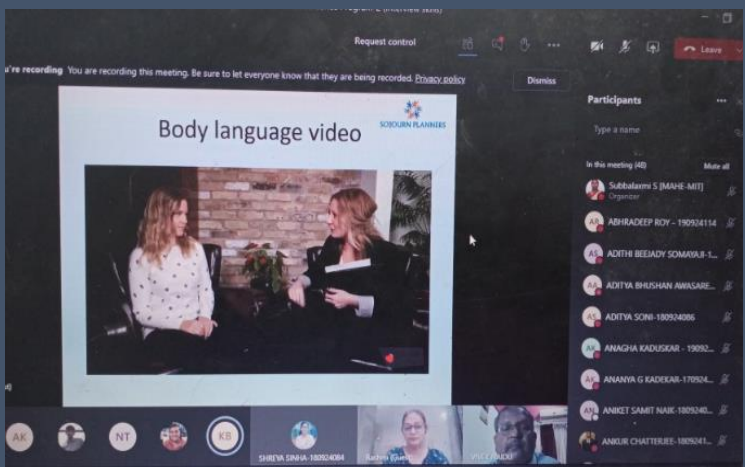
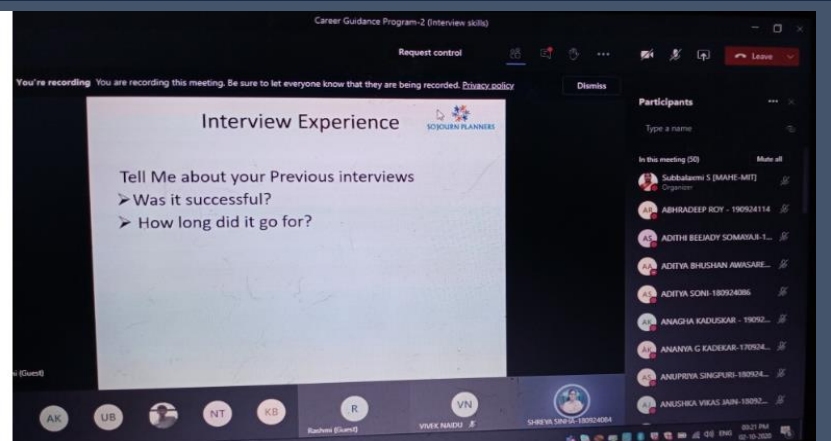
The speaker described about the guidelines and handling of glasswares and good laboratory practices.



Workshops

Virtual Workshop on "Career Guidance Program" was conducted for the UG students by Youdian Business Solutions Pvt. Ltd., Mumbai on 2nd October 2020.

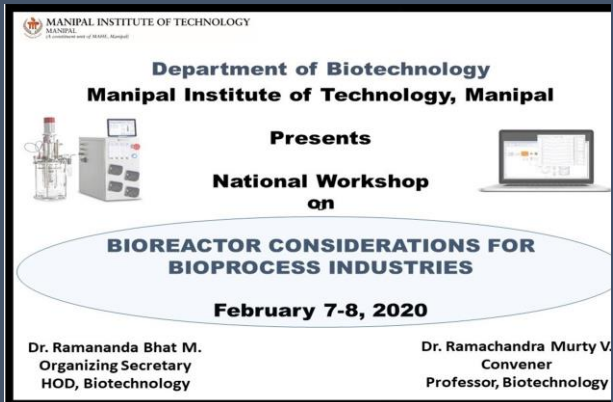
The resource persons discussed about Teamwork, Resume writing and Interview Skills.



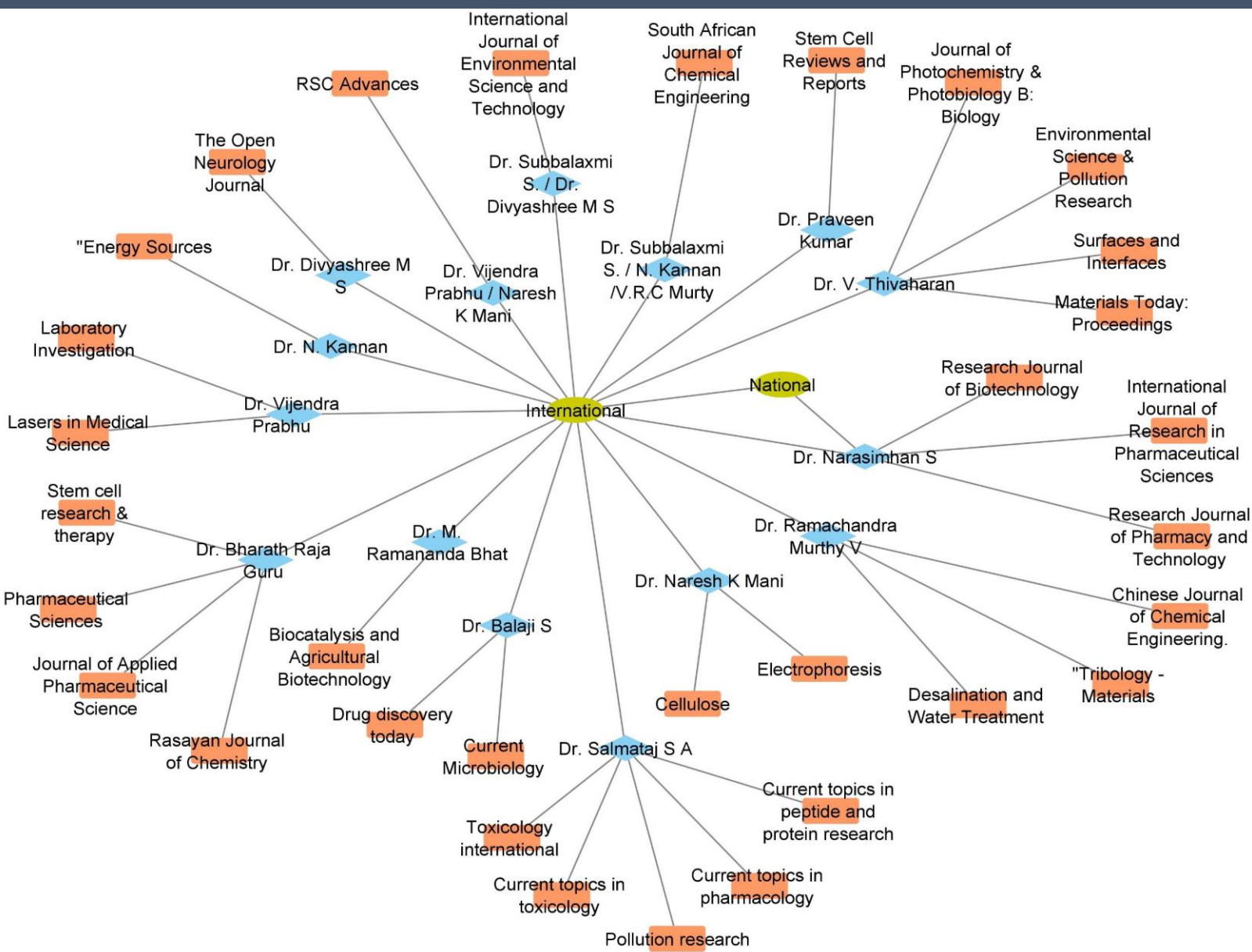
A National workshop “Bioreactor Considerations for Bioprocess Industries” was conducted on 7-8 February 2020.

Dr. Anu Appaiah K. A., Sr. Principal Scientist, CFTRI, Mysuru was the chief guest of the workshop inauguration and delivered the keynote lecture on “Evolution of bioprocessing technology”. There were other guest lectures and hands-on training to the participants.

Around 50 participants from various institutes/Universities all over India such as Bannari Amman Institute of Technology, University of Kerala, Cochin University of Science and Technology, Sri Ramakrishna College of Arts and Science, DRDO, and KLE Dr. M. S. Sheshgiri College of Engineering and Technology attended the workshop.



Journal Publications



Student Achievements

- Manipal BioMachines Student Club was started in 2019
 - This club won a Gold Medal in the 2020 International Genetically Engineered Machine (iGEM) competition.
- Ms. Anusha Prabhu and Ms. Gayathri received the ICMR Fellowship for PhD.



Research Grants

- Dr. Bharath Raja Guru received a research grant of ₹50 Lakhs from BIRAC and ₹2 Lakhs from MAC ID
- Dr. Vijendra Prabhu received a research grant of ₹30 Lakhs from ICMR
- Dr. Ritu Raval received a research grant of ₹5 Lakhs from MAHE UNSW
- Dr. V. Thivaharan received a research grant of ₹3 Lakhs from VGST

Alumni Interactions

“Finding a career in biotech” by Mr. Chirag Rajagopal, Process Engineer at KBI Bipharma, North Carolina, US. on 27th Nov 2020 (alumnus of BTech Biotechnology, 2010-14 batch)



“Life and death of an inflated E. coli” by Dr. Smitha Hegde, Post-doc at University of Cambridge, UK. on 25th Oct 2020 (alumnus of BTech Biotechnology, First batch)

