

**NIT Jalandhar organized short term course on “Manufacturing technologies for tissue engineering and drug delivery systems” during 3-7 October 2020**

October 7, Department of Biotechnology at NIT Jalandhar successfully organized a short-term course on “Manufacturing technologies for tissue engineering and drug delivery systems” during 3-7 October 2020. The course was inaugurated on 3<sup>rd</sup> October in auspicious presence of Prof. Lalit K Awasthi, Director, NITJ and Prof. Saurabh Ghosh, Dept. of Textile and Fibre Engineering, IIT Delhi, and organizing members. The STC which is aimed to bring together interdisciplinary beginners and experts working in the field of tissue engineering and drug delivery system develop and share the knowledge and issues related. Tissue engineering has come into play to recover, replace or improve the structural and/or functional loss of organ while drug delivery systems are developed to timely and targeted delivery of drug for remedies of wide range of body functional disorders. Prof. Awasthi emphasized on organizing such interdisciplinary courses to solve the problems persisting in society through engineering for human welfare. The talk began with Prof. Saurabh Ghosh on 3D Printing for skin tissue engineering and described the different strategies and methodologies how the replaceable implants can be developed in lab. The course sessions were delivered further by Dr. Anil Kumar P. R., Scientist 'F', SCTIMST, Trivandrum, Kerala, Dr. Naresh Kasoju, Scientist-C, SCTIMST, Trivandrum, Kerala, Professor Pradip Paik, Associate Professor, IIT (BHU), Prof. Subha Narayan Rath, Associate Professor, IIT Hyderabad, Dr. Indu Chauhan, Asst. Professor, NIT Jalandhar, Professor Srinivas Rao Parcha, Associate Professor, NIT Warangal, Professor N. C. Mishra, Associate Professor, IIT Roorkee, and Dr. Mahesh K Sah, coordinator of event. Talk delivery on 3D printing of artificial tissues and decellularization of spinach leaf for cardiac tissue development was recognized and appreciated. They all talked about different strategies for developing biomaterials for tissue engineering and drug delivery applications and how to approach for the solutions by inspiring from nature and solving by implementing novel instrumentations and analysis methods. The event was concluded on 7<sup>th</sup> October in the presence of Director and organizing team Professor Ajay Bansal, Head, Department of Biotechnology, Prof. A. K. Jana, Convenor of event with Dr. Mahesh Kumar Sah, Department of Biotechnology and Dr. Harsh Kumar Manchanda, Department of Chemistry as coordinators. Prof Lait Awasthi, Director, NITJ congratulated the team for successfully organizing this event with such demanding topic that is need of the hour for human welfare.

