

Mr. Manoj Jagannath Dev, an alumnus of M. Tech. (Pharm.) Biotechnology, from 2015-2017 batch at Department of Pharmaceutical Technology (Biotechnology), at National Institute of Pharmaceutical Education and Research (NIPER), S. A. S. Nagar, has recently been bestowed with prestigious PRIME MINISTER'S FELLOWSHIP FOR DOCTORAL RESEARCH which is a A Public-Private-Partnership (PPP) Initiative of Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India and Confederation of Indian Industry (CII).



He did his master's project on Cloning, Over-expression of arginine deiminase (ADI) from *P. putida* in *E. coli* BL21(DE3). Afterwards he joined as Associate Graduate Engineer Trainee at [Intas Biopharmaceuticals Ltd. - Moraiya , Ahmedabad, Gujarat, India](#) (2017-18). As a trainee, his work involved development and characterization of downstream process for purification of monoclonal antibodies as well as microbial recombinant protein.

Currently he is Research fellow at Institute of Chemical Technology ([ICT](#)), [Mumbai](#) . At ICT, Under the mentoring of Prof. Rekha Singhal, his research topic is, Design and Development of novel bioprocess for commercial production of microbial hydrocolloids and it's commercial applications. The project involves, isolation and screening of novel producers of targeted hydrocolloid and development of the fermentation and downstream process for getting it's pure form at commercial scale. It will follow by developing the commercial applications of the hydrocolloid in the areas like microbiology, pharmaceutical drug delivery, food industry etc.

The project is in collaboration with Hi-Media Laboratories Pvt. Ltd. (my PhD supervisor from ICT, Mumbai) and Dr. Rahul Warke & Dr. Girish Mahajan (both from Hi-Media laboratories).