



**Nomination of Prof. Sanyog Jain for Sun Pharma Research Award- 2023**  
**(in Pharmaceutical Sciences)**

Prof. Sanyog Jain is a dynamic, competent and highly productive scientist working in the field of advanced drug delivery using nanotechnology (Nanomedicine) and actively engaged in development of self emulsifying drug delivery systems (SEDDS) for improving oral bioavailability of BCS-II and IV drugs. He has developed and licensed Tamoxifen-SEDDS technology for improved breast cancer therapy to the industry for further development and commercialization. In addition, he is also developing tailor made nanoformulations based on biodegradable polymers and lipids for effective delivery of challenging drug and macromolecules like proteins (insulin), vaccines and DNA over a decade. His research is supported by major grants received from various government funding agencies like Department of Science and Technology (DST), Science and Engineering Research Board (SERB), Department of Biotechnology (DBT), and Indian Council of Medical Research (ICMR). He has also handled several consultancy projects for Pharma Industries.

He has successfully exploited these technologies for targeted anticancer drug delivery; oral vaccine delivery; oral insulin delivery; enhanced oral bioavailability of anticancer drugs, antifungal drugs, antiviral drugs and antioxidants; topical and transdermal drug delivery through skin for treatment of psoriasis, acne and wrinkles, non-viral vectors for site specific gene delivery and various other biomedical applications. He has also demonstrated cell based permeability assays, mechanism of intracellular uptake/ intracellular internalization, cell cytotoxicity and intracellular trafficking of his developed nanoparticle based formulations.

Dr. Jain's publications and presentations in this field are testimony to his aggressive research and great quality. He has over 220 international publications, 15 patents (14 granted and 1 filed), 2 book and 11 book chapters to his credit. The cumulative impact factor of the research articles published by him is ~1150, with an impressive h-index 61, and total citations >12500. His work has been recognized globally and he is recipient of several prestigious awards including Fellow of AAPS 2022, AAiPS Distinguished Educator Award 2021, ABAP Gold Medal for Advanced Research in Nanotechnology 2018, Shiv Nath Rai Kohli Memorial Mid-Career Best Scientist Award 2018, Pharm Innova Awards for best research guide in both PhD and Masters category (2015, 2017 and 2018), Bharat Jyoti Award-2013, Award for Rising Suns in Asia at 40th Annual CRS Meeting, Hawaii, USA-2013, Alkyl-Amines Young Scientist Award-2011, INSA Medal for Young Scientist-2011, OPPI Young Scientist Award-2009 and Punjab State Young Scientist Award-2005. He has been the first Indian Speaker, invited by Controlled Release Society (CRS) to deliver a lecture at its 38th annual meeting at Maryland, USA in 2011.

Dr. Jain has established his presence in the field of nanotechnology and Drug Delivery through his single minded dedication, innovative ability and diligence. I am proud to nominate him for the Sun Pharma Research Award-2023 in Pharmaceutical Sciences, which he richly deserves. I wish him every success.

  
[Prof. Dulal Panda]

Prof. Dulal Panda, Director

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