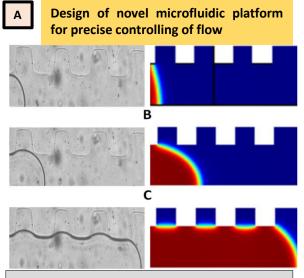
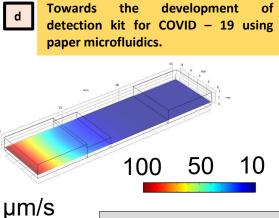
## **Project Investigator:** Dr. Pranab Kumar Mondal (Department of Mechanical Engineering)

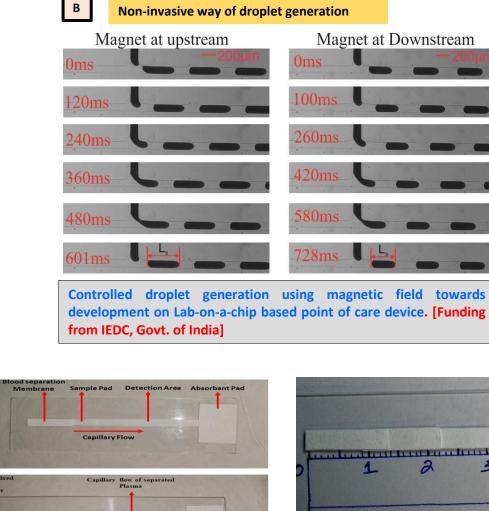


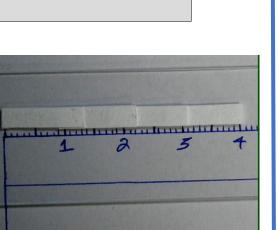




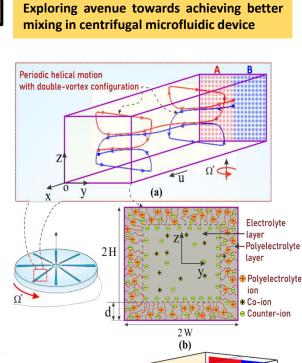
Surface roughness - wettability modulated filling dynamics. Novel way of controlling flow in microcapillary. [Funding from SERB-**Department of Science and Technology** 



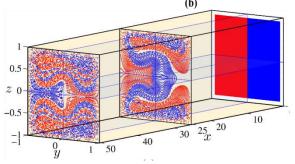




Variation of the flow velocity in the lateral flow assay towards the development of CRISPER Cas-12 based paper microfluidics device for the detection of COVID-19. [COVID-19 project, Funding from DBT, Govt. of India]



С



Rotational driven force mixing in centrifugal microfluidic device towards achieving augmented fluidic functionality at small scale. [Funding from SERB (DST)]