



SHORT BIO

I am from Nalanda Bihar. I did B. Tech in Chemical Engineering from Aligarh Muslim University (AMU) and PhD in Chemical Engineering from Indian Institute of Technology Bombay (IIT Bombay).

My research interests are in the areas of Microfluidics, microcarriers, droplets & emulsions, electro hydrodynamics, COMSOL, 3D printing and Silverson mixers.

CURRENT RESEARCH

Working presently on rheology of complex fluid inside a Microfluidic channel (Both experimental and COMSOL simulation work). Generation of emulsions and its stability using Silverson high shear mixers.

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MD DANISH EQBAL



Post-Doctoral Fellow

Chemical Engineering

Indian Institute of Science, Bangalore

EDUCATION

PhD, Chemical Engineering
Indian Institute of Technology, Bombay

24/07/2013 – 28/02/2020

Thesis title: Cell Encapsulation Using Microfluidics

Thesis Advisor: Prof. Venkat Gundabala

B. Tech, Chemical Engineering
Aligarh Muslim University

15/08/2009 – 26/06/2013

WORK EXPERIENCE AND FELLOWSHIPS

IIT Bombay, Research Associate

1/08/2019–15/12/2019

Microfluidics based research and publications

IISc Bangalore, Postdoc Fellow

16/12/2019–Present

Drop breakup in confined flow, complex rheology, Silverson mixers

SELECTED PUBLICATIONS

Md Danish Eqbal, Farha Naaz, Kajal Sharma and Venkat Gundabala, Microfluidics-based generation of cell encapsulated microbeads in the presence of electric fields and spatio-temporal viability studies *Colloids and Surfaces B: Biointerfaces*, 208, 1-9, 112065, (2021)

Md Danish Eqbal and Venkat Gundabala, On-chip generation of microcapsules in the presence of applied electric fields *Journal of Micromechanics and Microengineering*, 30, 1-9, 045002, (2020)