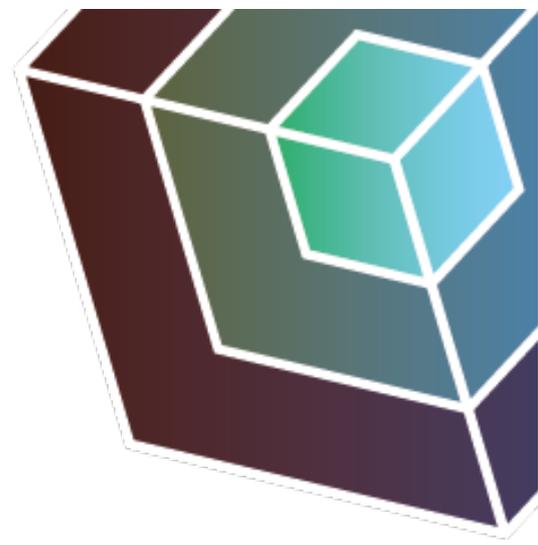


Project: Influence of wall corrugation on mass transfer in liquid catalytic reactors

“In catalytic reactors, solid surfaces are usually corrugated on length scales of micrometers. A fundamental investigation of the coupled convection-diffusion-reaction mechanisms in the boundary layer near such corrugated walls is undertaken.”

Aditya Sengar (TU/e)



Can you do a short presentation about you?

Yes.

How is living in the Netherlands as a foreigner?

The whole of Europe has been quite some experience for me. I have learnt things along the way to become a more independent person but still contribute to society.

Would you advice a friend to come to the Netherlands?

Yes, the working culture is nice, focusing more time on personal recreation. That is one quality I highly rate and would recommend in this country.

How/why did you finish in Eindhoven?

I did a project with my supervisor before coming here and I guess Eindhoven struck a chord with me. On top of that, a decent pay during PhD was much welcome.

How did you become interested in science?

I guess because of my father initially, who was an electrical engineer. His enthusiasm towards maths started my likeness towards the broad field of science.

Did you know right away that you wanted to be a research scientist?

It never happened right away. Towards the latter part of my Engineer's degree, I got inclined towards the management side of the world but a couple of weeks into it I was determined to be a researcher. 😊

What do you enjoy the most about your research?

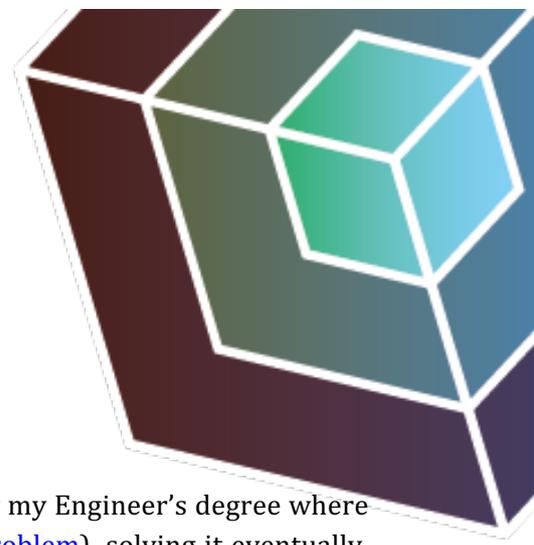
The realization that science is eventually connected to so many aspects of your life. The research topic gives me a look into science where the aspects of Physics, Chemistry and Mathematics combine to solve a problem.

What is your biggest motivation?

Self-motivation.

How do you see yourself fitting in the MCEC project?

MCEC being an interdisciplinary community, I believe we require expertise from different disciplines to help make a stronger community. Being a physicist, I feel my role is to fill in the correct blank in a big puzzle.



If you had a time machine and 2 beers, with which scientist would you like to meet?

Ramanujan, the king of infinite series. I think he did not drink beer, but it would be fun to see the life and times of an Indian mathematician in the UK in the 1910s.

What is the most memorable "Eureka" moment in your life (not necessarily connected to science)?

This was a mathematical problem I was working on during my Engineer's degree where I spent a month thinking about a problem ([the birthday problem](#)), solving it eventually, and later realizing that it had already been published.

Which scientific term/phenomena you think is the most misused by media?

I dislike the newsfeeds nowadays where the title goes like this "According to Science...". It removes the objectivity from the work performed at an objective level (this of course is debatable, but let's keep this matter aside for this one) and broadcasts news as the scientist's opinion rather than a scientifically verified discovery.

What do you like to do in your spare time?

Talking to friends and family back at home. Playing FIFA and reading novels.

Is science the answer to everything?

Not yet, and not for a couple of hundreds of years. This is more of a development phase for science, because it is still not able to tackle the complex social problems present in the world. But science should catch up soon, look at all the things happening around us.

What do you want to do after finishing your PhD?

Work on a more fundamental topic as a PostDoc, to get an estimate of how different applied and fundamental studies vary.