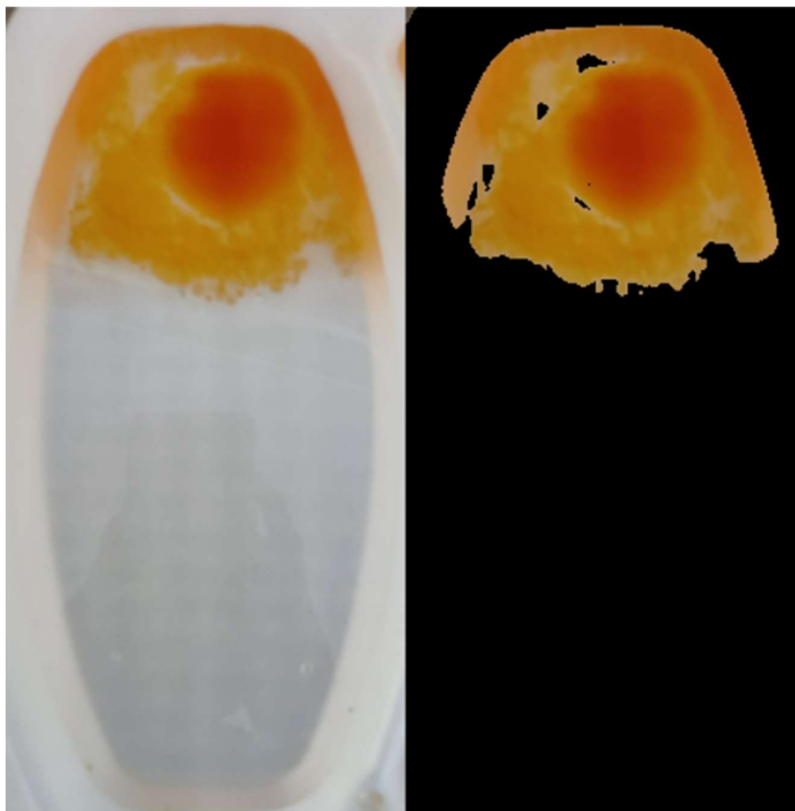This would be me, Harshit Mawandia, using food color for the first time in my life and creating a mess out of it.

Sorry for the mess, the actual pics with time are from the next page.
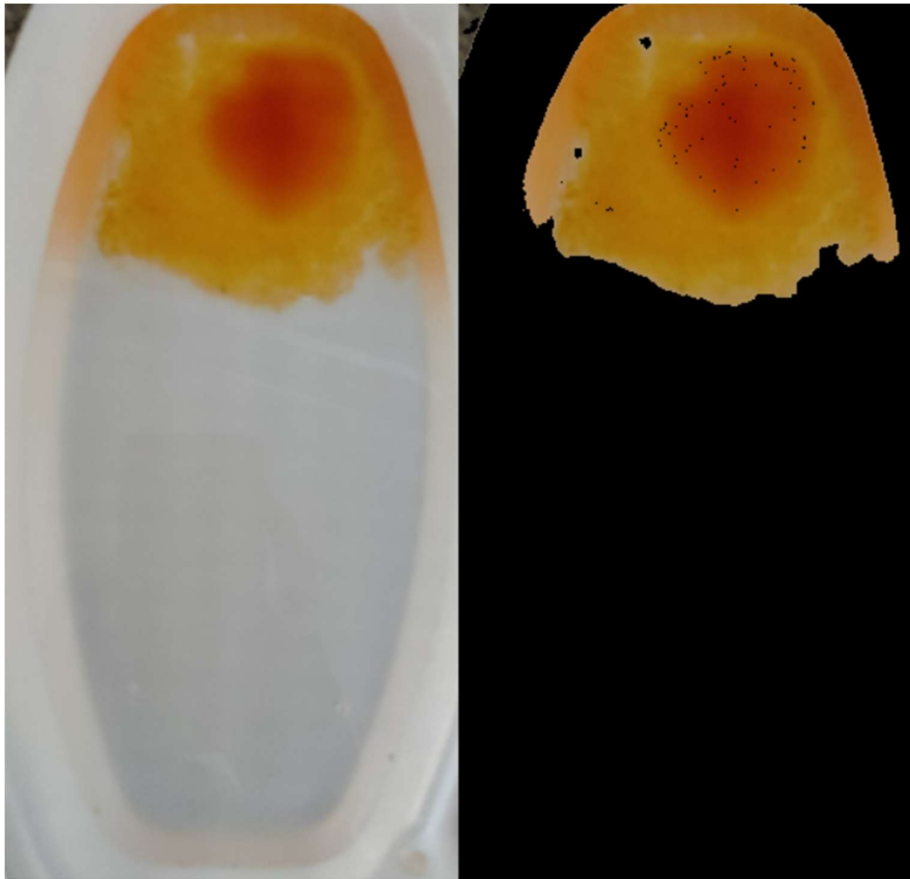
Also I wrote a cool Python program to analyze the pixels, check out the results in the upcoming pages, do tell me if you'd like to check out the program.
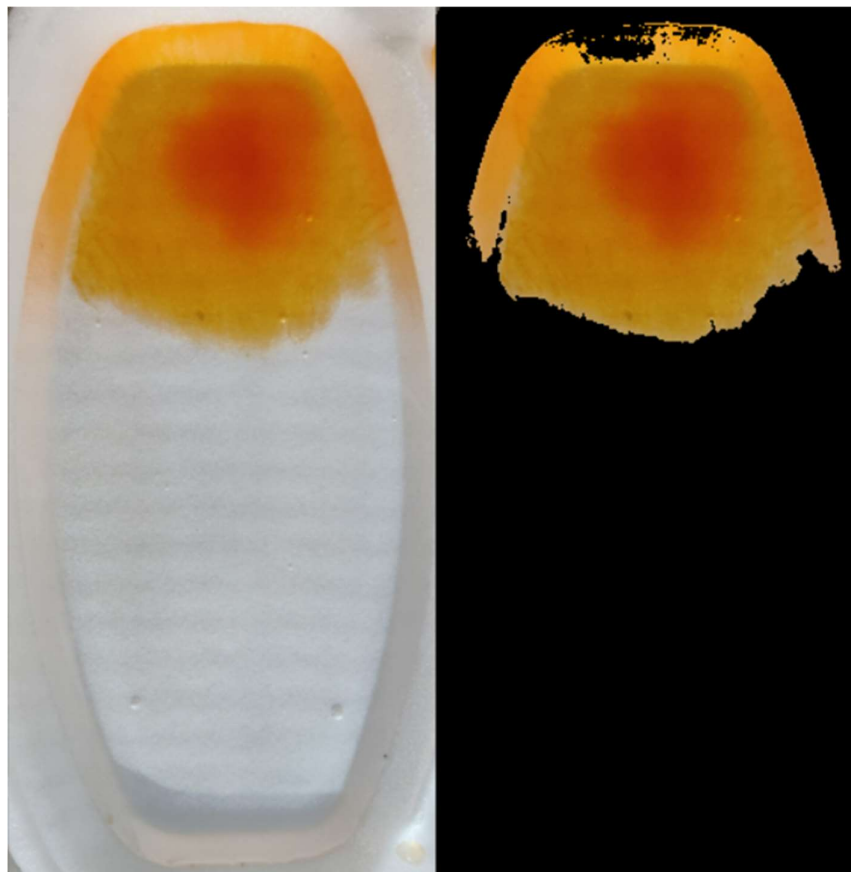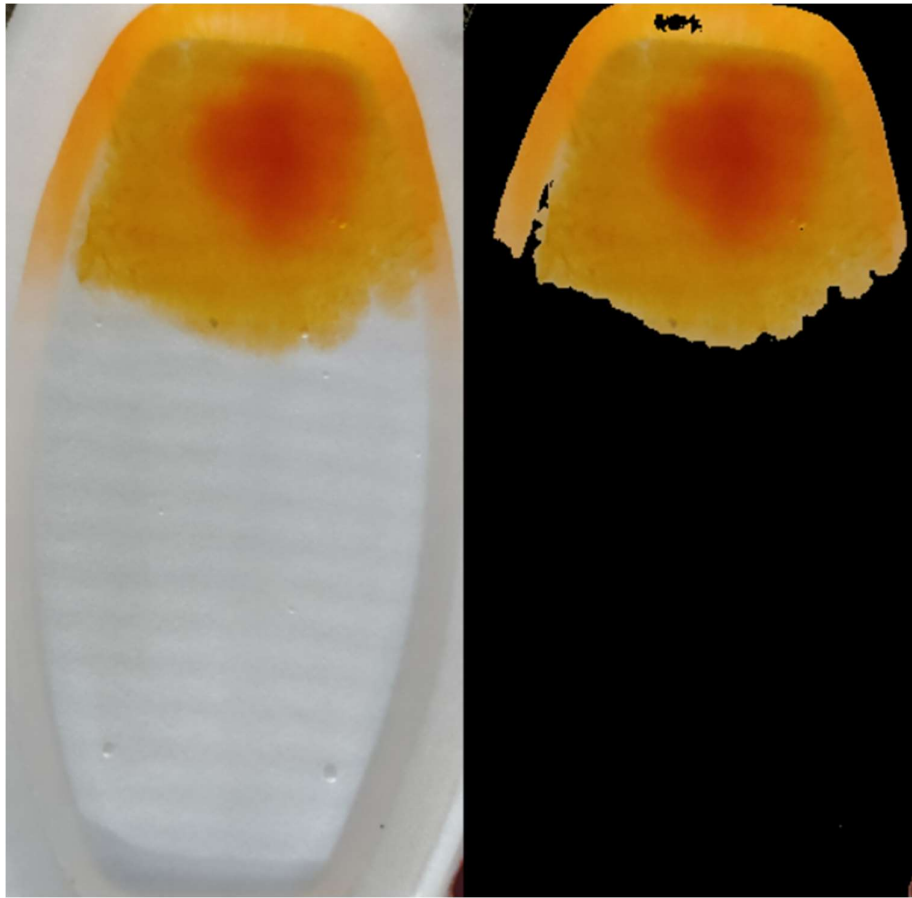
10 secs

30 secs

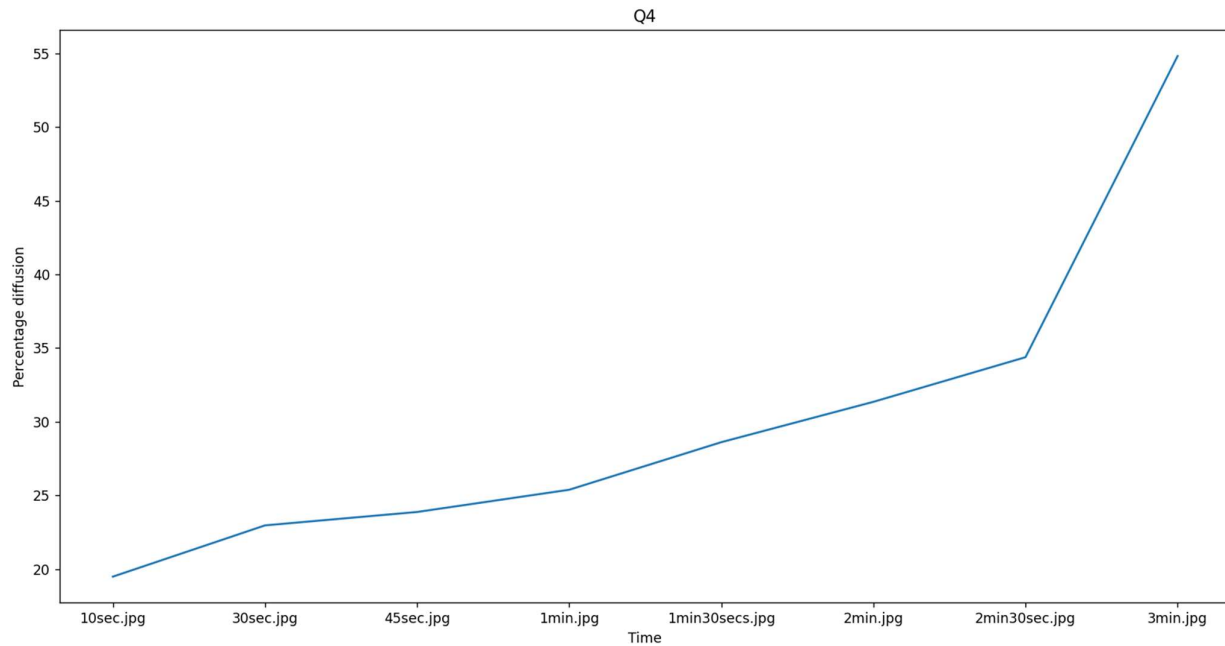45 sec

1 min

1 min 30 sec

2 min

2 min 30 sec

3 mins

Percentage data for each pic with time

Graph of percentage area covered with time

From this data we can infer that the diffusion process occurs slowly with time