Curriculum Vitae

Name: **RUCHI A. BHIMANI**

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Career Objective:

Seeking a position to apply my knowledge, skills and ability in the industry that offers competitive environment, a true profession to put in the acquired knowledge and gain exposure to the upcoming technologies while being resourceful, innovative, and flexible.

Education:

Degree	Subjects	Board/University	%/CGPA Passing year
M.Sc.	Microbiology	Institute of Advanced Research	7.48 CGPA/2020
B.Sc.	Microbiology	L. J Institute of Applied Sciences	6.07CGPA/2018
H.S.C.	Biology, Chemistry, Physics, English, Computer	Gujarat State Education Board (GSEB)	62.57%/2015
S.S.C.	English, Hindi, Mathematics, Science and Social Science	Gujarat State Education Board (GSEB)	68%/2013

Instruments Handled:

Sr. No.	Instrument Name	Sr. No.	Instrument Name	Sr. No.	Instrument Name
1	Analytical Balance	**7**	Deep Freezer	**13**	Microwave/Oven
2	Autoclave	**8**	Electrophoresis unit	**14**	pH Meter
3	BOD (Bio- Oxygen Demand) Incubator	**9**	Laminar flow Cabinet	**15**	SDS PAGE unit
4	Bunsen Burner	**10**	Magnetic Stirrer	**16**	UV Spectrophotometer
5	Centrifuges	**11**	Micropipette	**17**	Vortex Mixture/Vortexer
6	Colorimeter	**12**	Microscope	**18**	Water Bath

Dissertation project:

Title : Transformation & Expression of *Shigella* antigen in *E.coli* (Nissle 1917).

Brief about project:

Infectious diseases are leading cause of morbidity in all parts of world and it includes mostly Pneumonia, Diarrhoea, Malaria, AIDS, etc. Among all of them diarrhoeal diseases are the second leading cause of death. Important bacterial agents which are responsible for the diarrhoea are *Escherichia coli (E.coli*), *Salmonella* a species, *Shigella* species and *Vibrio cholerae* & *Enterotoxigenic E.coli (ETEC*). Many approaches for the development of *Shigella* vaccines have been attempted. Unfortunately, no practical vaccine is available so far.

Recent studies illustrates that bacterial outer membrane proteins are budding target as vaccine antigen. OmpA is an outer membrane protein expressed at high levels on *Shigella* cell surface and it is shown to evoke both cellular and humoral immunity in mice. *E.coli Nissle* can be used as a carrier of *S.flexneri* 2a OmpA as a prophylactic vaccine candidate. So, Transformation and expression of *Shigella* antigen in *E.coli (Nissle 1917)* which is a probiotic strain is done.

Industrial Visits and Internship

Zydus Cadila Healthcare Pvt. Ltd. Changodar GIDC, Ahmedabad, Gujarat, 382213

Soft Skills:

- Leadership Skills
- Teamwork
- Communication Skills
- Problem Solving Skills
- Work Ethic
- Flexibility/Adaptability
- Interpersonal Skills

References:

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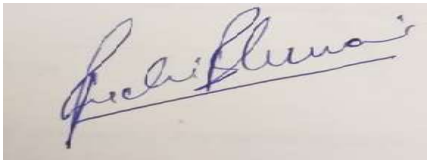
Declaration:

I hereby declare that the above – mentioned information is true up to the best of my knowledge and sole responsible for any discrepancy found in them.

Sign:



Date: 05th July, 2020