

Vrutika Lad



Teaching Assistant

CGBIBT

vrutika.lad@utu.ac.in

Education

Ph.D. Pursuing

May 2019

C G Bhakta Institute of Biotechnology
Uka Tarsadia University, Bardoli

Master of Science, Microbiology

JUNE 2013

C G Bhakta Institute of Biotechnology
Uka Tarsadia University, Bardoli

Bachelor of Science, Microbiology

MAY 2011

B. P. Baria Science College, Navsari
Veer Narmad South Gujarat University, Surat

ICAR – NET (Cleared)

2019

Specialization

Microbiology

Teaching Experience

Teaching Assistant

Government Science college, Vankal

From 13th September, 2013- 4 August, 2014
(11 months)

Teaching Assistant

C G Bhakta Institute of Biotechnology

From 6th August, 2014 – Till date
(7 year and 2 months)

Research Interest

- **Medical Microbiology**
- **Industrial Microbiology**



Resolving Double Helix For Life

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- **Food Microbiology**
- **Genetic**



UKA TARSADIA UNIVERSITY, Maliba campus, Gopal Vidyanagar,
Bardoli-Mahuva Road, Tarsadi - 394 350, Dist. Mahuva, GUJARATA (India)

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Research Experience

Ph.D. Pursuing

From May 2019

C G Bhakta Institute of Biotechnology
Uka Tarsadia University, Bardoli

Dissertation

Duration: January 2013 to May 2013

Department: C. G Bhakta Institute of Biotechnology.

Project title: "Screening of *Bacillus* strains as a Probiotics from gastrointestinal tract of Fish"

Project Guide: Dr. Prashant Kumar

Creditable position

➤ As a co-ordinator in any events (if yes, give event name and place)

- (1) "Swachchata abhiyan through wall painting" (with collaboration of Bardoli Nagarpalika) - at Taluka Panchayat, Bardoli
- (2) "Cloth distribution to the needy people" - Dang District
- (3) Team Manager (6th UthFest - Intercollege Youth Festival) - UTU
- (4) Industrial visit - Emami Pvt. Ltd., Vapi
- (5) Industrial visit - Sumul Dairy and Sumul Dan Factory, Bajipura

➤ As a Guiding Teacher/Teacher In-charge

Teacher In-charge

Dissertation/Ph.D	Year/Semester	No of student
Dissertation	Int. M.Sc. Microbiology (Semester VIII)	14
Dissertation	M.Sc. Microbiology (Semester IV)	8

Skills

Hands on Technique

- Experience in working with isolation, purification, quantification of DNA, RNA, Protein and Plasmid.
- Expertise in microbiological technique such as isolation, characterization of microorganism, use of biochemical test, in vitro physical and chemical mutagenesis, water quality testing.
- Various immunological testing like ELISA, WIDAL, RPR and Serological tests.
- Microbial Fermentation



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INSTRUMENTATION

- Electrophoresis- Vertical and Horizontal
- Spectrophotometer.
- LAF.
- Cooling Centrifuge.
- Thin layer Chromatography.
- Orbital Shaker
- Colony Counter
- Magnetic stirrer with hot plate
- pH Meter
- Incubator

COMPUTER LITERACY

Basic, Internet, MS Office



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Publications

International Publication

- (1) **Lad Vrutika**, Saha Shraddha, Vashi Sonal and Dumasiya Yashoda. "Isolation of Lactic Acid Bacteria from Curd Sample and Screening for Probiotic Properties." *IJSRR*. 2018, 7(3), 324-331.
- (2) **Lad Vrutika**, Dumasiya Yashoda, Saha Shraddha, Pithawala Meonis and Chakraborty Sumitra. "A comparative study to evaluate the efficacy of commonly used disinfectants against clinical isolates of autochthonous microorganisms." *International Journal of Research and Analytical Reviews*. 2019. 6(2), 998-1001.
- (3) **Lad Vrutika**, Saha Shraddha. "Isolation of Bacillus strain from gastrointestinal tract of fish and screening for certain probiotic properties." *International Journal for Research Trends and Innovation*. 2018, 3(7), 260-264.

NATIONAL PUBLICATIONS

- (1) **Lad Vrutika**, Saha Shraddha. "Biodegradable plastic"- Poly- β - hydroxybutyrate (PHB)" *JPS Scientific Publications*. 2020, (1), 45. (Book Chapter)

Date: 30 September, 2021

Place: Tarsadi (Bardoli)