



Researching Double Helix For Life

C G Bhakta Institute of Biotechnology

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Pritesh Patel

Teaching Assistant

CGBIBT

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Education

PhD in Applied Sciences (BIOTECHNOLOGY)

UKA TARSADIA UNIVERSITY, Tarsadi
(Registration year Feb 2013)

Pursuing

Master of Science, BIOTECHNOLOGY

C G Bhakta Institute of Biotechnology
Veer Narmad South Gujarat University, Surat

May 2010

Bachelor of Science, BIOTECHNOLOGY

C G Bhakta Institute of Biotechnology
Veer Narmad South Gujarat University, Surat

May 2008

Specialization

Biotechnology

Professional/Teaching Experience

Teaching Assistant

C G Bhakta Institute of Biotechnology

From 16th July, 2010 – Till date
(4 year 7 months)

Research Interest

- Biochemistry
- Probiotics
- Molecular Biology
- Plant pathology

Research Experience

As a PhD scholar in Applied Sciences (BIOTECHNOLOGY) February 2013- Present

UKA TARSADIA UNIVERSITY, Tarsadi

Advisor: Dr. Vakulabhushan Bhaskar Vedala



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

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DISSERTATION

Organization: National Institute of Animal Nutrition and Physiology, Bangalore.

Duration: 20 January 2010 to 20 April 2010

Department: Animal Nutrition Division

Project title: "Evaluation of prebiotics on the growth of gut bacteria"

Project Guide: Dr. Swaraj Senani, Sr. Scientist

Creditable position

➤ **As a Guiding Teacher/Teacher In-charge**

Dissertation	Year/Semester	No of student
M.Sc. Dissertation	2011 – 2013(Biotechnology)	2
M.Sc. Dissertation	2012 – 2014 (Biotechnology)	2
M.Sc. Dissertation	2014 – 2016(Biotechnology)	2

Skills

HANDS ON EXPERIENCE IN TECHNIQUES:

- Isolation, purification & quantification of DNA, RNA & plasmid from various sources.
- Protein Purification and its characterization through SDS-PAGE and its estimation, Dialysis of protein sample.
- Genetic engineering- cloning.
- *In vitro* Physical and chemical mutagenesis.
- Microbial fermentation.
- Plant tissue culture
- Animal cell culture
- Molecular Viral indexing

INSTRUMENTATION:- Electrophoresis- Vertical and Horizontal, Gradient PCR, Real Time PCR, Gel doc, Nano Drop, Lab scale fermentor, Spectrophotometer, LAF, Gas Chromatography , Cooling Centrifuge, Thin layer Chromatography.

COMPUTER LITERACY: - Basic, Internet, MS Office.

BIOINFORMATICS TOOLS: - BLAST, FASTA, CLASTAL W, RASMOL, and Mega5.

STATISTICAL TOOLS: - SPSS, Prism.

Presentation

- Oral presentation on paper entitled “Phytoremediation by Rhizofiltration of Sewage by Using *Eichhornia*, *Pistia* and *Azolla* near Tapovan, Nashik”, in the **International Congress of Environmental Research during 15-17 December, 2011, held at SVNIT, Surat.**
- Poster presentation on “*In Vitro* antifungal activity of crude phytoextract against sugarcane red rot pathogen – *Colletotrichum falcatum*”, in the international conference on **Current status, Opportunities and Medicinal Plants and Natural Product Research held during 24th to 26th September 2014 held at C G Bhakta Institute of biotechnology, Tarsadia University**
- Poster presentation on “Screening of probiotic lactic acid bacteria (LAB) strains from different animal dung samples” at 2nd PAi Conference and International Symposium on “Probiotic and Microbiome – Gut and Beyond” Organized by **Probiotic Association of India (PAi), National Dairy Research Institute, Karnal, Haryana, India at India Habitat Centre, New Delhi on 3rd -4th November, 2014.**
- Poster presentation on “*In Vitro* antifungal bioefficacy of cow urine and dung against sugarcane red rot pathogen *Colletotrichum falcatum*” in the **National symposium organized by TNAU and ISMPP held at ACRI, Madurai, Tamil Nadu.**

Professional/Research Training

- Undertook One month training on **Molecular Plant pathology** at **Sugarcane Breeding institute, ICAR, Coimbatore, Tamil Nadu** from 28th October to 22nd November, 2013 under the guidance of **Dr R Viswanathan**, Head, Division of crop protection, Sugarcane Breeding Institute.

Publications

1. **P. K. PATEL, S. K. PATEL, R. N. SHAH, V. V. BHASKER. 2015.** Antifungal potentialities of Crude Phytoextracts against Sugarcane Red Rot Pathogen – *Colletotrichum falcatum*. *Trends in Biosciences* 8(1), 212 – 217.
2. **Pritesh Patel, Vrutika Lad 2015.** “Isolation of Lactic Acid Bacteria from Different Dung Samples and *In Vitro* Screening for Certain Probiotic Properties”: *International Journal of Scientific Research and Reviews*. (In press)

Other Details

Sequences submitted in NCBI: 9

9th March, 2015

Date:



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Place: Tarsadi (Bardoli)



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