



**Name of Faculty: Hardik Vijaykumar Gulani**

Position: Teaching Assistant

CGBIBT

Email: [hardik.gulani@utu.ac.in](mailto:hardik.gulani@utu.ac.in)

***Education***

Masters in Medical Biotechnology, 2010-2016  
Ashok and Rita Patel Institute of Biotechnology and Research in Applied Sciences, Sardar Patel University

***Specialization***

Protein Quantification , Gel Electrophoresis, Plating Techniques, UV-Visible Spectrophotometry, Enzyme Kinetics, Determination of Ag-Ab reactions, DNA and RNA isolation ,Carbohydrate Quantification, Inherent Viscosity Determination, Differential Scanning Calorimeter, HPLC, GC, FTIR, Bioassay Development  
In the Bio informatics department- Microarray Data Analysis, Drug Docking and its Analysis, Pathway analysis, Correlation of the genes in different pathways.

***Professional/Teaching Experience***

**Industrial Experience:**

**Span Diagnostics Pvt. Ltd**

Designation: Trainee

Department: Protein Production Intermediate

**Meril Life Sciences Pvt. Ltd**

Duration: 1 year and 3 months

Designation: Officer

Department: Research and Development

Profile: Conceptual Research, Finding and Screening Needs, Concept Generation, Project Planning and Development, Study and Determine Design Inputs, Standard Testing and Operating Procedures.

**Intas Pharmaceuticals Ltd.**

Designation: Trainee Executive

Department: Quality Control Cell Culture

Profile: Handling of Cell Lines, Bioassays, Following cGMP practices, HPHV Sterilizers, DHS, Standard Operating and Technical Procedures

**Academic Experience:**

Currently working as a Teaching Assistant in **Maliba University: C.G Bhakta Institute of Biotechnology, Bardoli.**



**Research Interest**

**Cell Culture, Drug Design and Development, Bioassays and Biosimilars, Stem Cell Biology and Developmental Biology**

**Research Experience**

Topic: Delineating selective mode of action of Jasmonates against cancerous cells by Insilico approach.

Abstract: Jasmonates, a group of plant hormone, are known to selectively promote apoptosis in variety of cancer cells by affecting the mitochondrial function. However the exact mechanism is not yet known. Therefore this study aimed at investing probable mechanism of Jasmonates through in silico analysis. Microarray data of normal lung and adenocarcinomas tissue were obtained from the databases. The data were subjected to transformation and normalization. By performing statistical analysis differentially express mitochondrial genes were identified. Structures of proteins for differentially express genes linked to induce apoptosis were retrieved and Jasmonates were docked. Based on interaction probable mechanism will be predicted.

**Creditable position**

- **As a co-ordinator in any events (if yes, give event name and place)**
- **As a referee in indexed/peer-reviewed journal (if yes, give journal name)**
- **As a Guiding Teacher/Teacher In-charge**

Dissertation/M.Phil/PhD	Year/Semester	No of student

**Skills**

Cell Seeding, Pass aging, Sub culturing and Cell Line Handling of both Suspension and Adherent Cell lines, Molecular Docking



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### ***Presentations***

**Invited Speaker**

**Guest Lecturer**

**(If Yes, provide information as follow)**

**Conference/symposium** \_\_\_\_\_

**Place** \_\_\_\_\_

**Title of talk** \_\_\_\_\_

### ***Professional/Research Training***

### ***Publications***

**INTERNATIONAL PUBLICATIONS**

**None**

**NATIONAL PUBLICATIONS:**

**None**

Date \_\_\_\_\_

Place \_\_\_\_\_



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

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