



Resolving Double Helix For Life

C G Bhakta Institute of Biotechnology

www.cgbibt.edu.in



Teaching assistant

CGBIBT

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Education

Doctor of Philosophy (Pursuing)

C G Bhakta Institute of Biotechnology

Uka Tarsadia University

Bachelor of Education, Science & Technology, Mathematics (2018)

H.B. Kapadia College of education

Gujarat University, Ahmedabad

Master of Science, BIOTECHNOLOGY (2013)

C G Bhakta Institute of Biotechnology

Uka Tarsadia University

Bachelor of Science, BIOTECHNOLOGY (2011)

C G Bhakta Institute of Biotechnology

Veer Narmad South Gujarat University, Surat

Specialization

Biotechnology

Professional/Teaching Experience

Presently working as a Teaching Assistant in C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Maliba Campus, Bardoli, Surat, India (**Since 06/08/2014 to till date**).

Teaching Activities: Biochemistry, Industrial Microbiology, Plant Biotechnology, Microbial Biotechnology, Microbial Growth and Metabolism, Dairy Biotechnology and Bioinstrumentation.



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Practical Lab Conducted: Biochemistry, Biotechnology and Microbiology Lab for Bachelors and Masters Students

Worked as Lab Assistant in Ambic Organic Pvt. Ltd. (Bamroli) bardoli, Surat, India (2nd August 2013 to 4th August 2014).

Research Interest

- Natural Products Research
- Novel therapeutic approaches
- Animal Biotechnology
- Phytochemicals
- PGPR
- Plant Biotechnology (plant physiology and plant tissue culture)
- Microbial Biotechnology

Research Experience

Dissertation: “Angiogenic property of aqueous extract from the leaf of *Blumea balsamifera*.” under the guidance of Dr. Meonis Pithawala C G Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli (2013).

Creditable position

- **As a co-ordinator and judge in any events**
- Worked as a judge in Teacher’s Day celebration, “Nail Art competition”2021 CGBIBT
- Event coordinator Sur ke Surveer (Faculty event) 2020-- Uka tarsadia University
- Worked as a judge in “Mehdi” competition in Uth Fest 2018- Uka tarsadia University
- Even Coordinator in chance pe dance competition in Uth Fest 2018 -Uka tarsadia University
- Event coordinator in aarti thali competition in “Navli Navratri”2016- Uka tarsadia University
- Event Co-coordinator in clay modelling and fine arts events in the Uth Fest 2016- Uka tarsadia University
- Event Co-coordinator in literary event in Uth Fest 2015-Uka tarsadia University

➤ As a Guiding Teacher/Teacher In-charge

Dissertation/M.Phil/PhD	Year/Semester	No of student
Dissertation	2019-2021/ IV M. Sc. Biotechnology	01
Dissertation	2018-2020/ IV M.Sc Microbiology	08
Dissertation	2017-2019/ X Int.M.Sc Microbiology	10
Dissertation	2016-2018/X Int.M.Sc Microbiology	05
Dissertation	2016-2018/X Int.M.Sc Biotechnology	02
Dissertation	2015-2017/X Int.M.Sc Biotechnology	02
Dissertation	2014-2016/X Int.M.Sc Biotechnology	01

Skills

- **Plant tissue culture techniques:** Preparation of media, sterilization of explant, inoculation, subculturing and maintenance of explants.
- **Animal tissue culture techniques:** Trypsinization.
- **Microbial techniques:** Media preparation, plating, staining of organism.
- **Histological techniques:** Paraffin sectioning of tissue.
- **Immunological techniques:** ELISA, RIA.
- **Molecular techniques:** SDS, Isolation of DNA.
- **Chromatographic techniques:** Paper chromatography, TLC.

Presentations

- An oral Presentation entitled “Comparative Study of water stress on the Germination and Biochemical parameters in two *Solanum melongena L.* varieties at International Science Symposium, On Recent Trends in science and technology organized by Christ College, Rajkot, 8th and 9th April, 2021.
- A poster presentation entitled “Effect of water stress on physiology and biochemistry of five varieties of *Solanum melongena L.* at National conference on “Recent innovations in Sciences, Social sciences, Humanities and arts” Organized by Govt. Degree College, Poonch, 23rd to 24th March 2021.



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- A poster Presentation entitled “An Underutilized Grassweed *Dactyloctenium aegyptium* (Crowfoot) – AN OVERVIEW” at international conference on “Healthcare in 21st century: Perspectives of ethno pharmacology & medicinal plant research” held at Uka Tarsadia university, Bardoli, Gujarat, India in association with society for ethno pharmacology, India on 23th - 25th September, **2017**.
- A poster Presentation entitled “Possible antiangiogenic property of *Bombax Ceiba L.*” at international conference on Recent trends in affordable and sustainable Drug discovery and developments’ held at Department of Biochemistry, Uka tarsadia university, Bardoli. Gujarat, India, **2016**.
- A poster Presentation entitled “Alleviation of Malnutrition by Biofortification of crops” at National conference on “Innovations and recent trends in drug discovery techniques, radio- labelling and applied science research” held at Uka Tarsadia University, Bardoli on 23rd and 24th January, **2015**.
- A poster Presentation entitled “Angiogenic property of aqueous extract from the leaf of *Blumea balsamifera.*” at international conference on “Current Status, Opportunities and Challenges in Medicinal Plants and Natural Product Research” held at C G Bhakta Institute of Biotechnology, on 24th – 26th September, **2014**.
- Participated in intercollegiate poster competition on “Stem cell” at C G Bhakta Institute of Biotechnology, **2011**

Professional/Research Training

- Participated in an international Faculty Development Program on Skilling teachers for online education organized by Department of Humanities, Uka tarsadia university on 02nd to 06th June **2020**.
- Attended one day national webinar on “Applications of HPTLC technique in the Evaluation of Primary and Secondary Metabolites” organized by Anchrom Enterprises (I) Pvt. Ltd., Mumbai Bharati Vidyapeeth’s College of Pharmacy, Navi Mumbai on 22nd June **2020**.
- Attended two days international Conference on “Chemical science frontiers: The virtual international conference” organized by Department of chemistry Uka tarsadia university Bardoli Gujarat on 29th and 30th may **2020**.



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- Attended one day national seminar on “Role of Microbiologist in industries” organized by Sanjivani Arts, Commerce and science College, kopargaon, Sahjanandnagar on 5th December **2019**.
- Participated in two days state level workshop on “Understanding the basic molecular biology tools and applications” organized by C.G. Bhakta institute of biotechnology, Uka Tarsadia university on 28th to 29th November **2019**.
- Attended one day national seminar on “Properties, Fabrication and Applications of Nanomaterials and Devices.” Organized by Department of Physics, Uka tarsadia university, Bardoli on 5th July **2019**.
- Participated in one day national workshop on “Computer aided drug discovery and microbiome analysis” organized by Department of bioscience, Veer Narmad South Gujarat University, Surat on 31st march **2019**.
- Actively participated and Worked as an organizing member in national conference on “MICROBIOME RESEARCH: UNDERSTANDING THE DIVERSITY TO IMPROVE PLANT, ANIMAL, HUMAN AND ENVIRONMENTAL HEALTH” held at C.G. Bhakta Institute of Biotechnology, Uka Tarsadia university on 07th- 09th March, **2019**.
- Participated in Faculty Development Program “Phase II” organized by Department of Humanities, Uka tarsadia university on 03rd to 15th January **2019**.
- Attended two days national Conference on “Targeted Bioconjugates for Drug Delivery to Cancer Cells” held at Maliba Pharmacy college Uka Tarsadia university, Bardoli, Gujarat on 05 to 06 October **2018**.
- Attended one day national seminar on “Biological tools for sustainable Environment” held at Department of Biosciences, V.N.S.G.U. Surat on 24th march **2018**.
- Attended two days national Conference on “Nanoparticulate Drug Delivery Systems: From Bench to Beside” held at Maliba Pharmacy college Uka Tarsadia university, Bardoli, Gujarat on 09 to 10 march **2018**.
- Attended one day international seminar on “RECENT ADVANCES IN CANCER AND CELL BIOLOGY” organized by Department of Microbiology and Biotechnology Centre. M.S. UNIVERSITY OF BARODA 6th January **2018**.
- Attended one international symposia on “EMERGING BIOLOGICAL TRENDS IN 21ST CENTURY” organized by GSBTM in P.P. SAVANI UNIVERSITY KOSAMBA on 5th November **2017**.



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- Worked as a LOC member in an international conference on “Health care in 21st century: Perspectives of ethno pharmacology & medicinal plant research” held at Uka Tarsadia university, Bardoli, Gujarat, India in association with society for ethno pharmacology, India on 23th - 25th September, **2017**.
- Participated in Faculty Development Program “Phase I” organized by Department of Humanities, Uka tarsadia university on 03rd to 20th October **2016**.
- Actively participated and successfully completed One week faculty development program on “Biostatistics and Experimental Designs: Theory and Hands on applications” held at Uka Tarsadia University, Maliba campus on 25th to 30th April **2016**.
- Attended one day national seminar on “Futuristic Perspectives on Inhaled Drug Therapy” held at Uka Tarsadia University, Maliba campus on 9th January, **2016**.
- Attended two days international seminar on “Current Trends In Biological Sciences” held at Department of biochemistry, M.G. Science Institute, Ahmedabad on 26th To 27th December, **2015**.
- Actively participated and Worked as an organizing member in international conference on “Current Status, Opportunities and Challenges in Medicinal Plants and Natural Product Research” held at C.G. Bhakta Institute of Biotechnology, Uka Tarsadia university on 24th- 26th September, **2014**.
- Under took one month training in Mahuva Sugar Factory “Biofertilizer, Plant tissue culture and Soil analysis Laboratory” **2013**.
- Attended a National Biotechnology Symposium on “Innovation in Biotechnology: from Education to Industry” held at AMA, Ahmedabad on 1st September **2012**.
- Attended one day seminar on “Commercial use of Microbes in Bioremediation and Plant Protection – Bioconclave 2012” held at C G Bhakta institute of Biotechnology, on 24th April, **2012**.

Publications

INTERNATIONAL:

- **Jemisha Mistry, Nikita Parwani, Jawahar Ganapathy*, Abhishek Sharma*(2021)** Antivenom Activity of Ethnobotanical Plants. Archives

of Food Science and Nutrition Research Review Article | Open Access | Volume 1 | Issue 1

- **Jemisha Mistry**, Gamit Shraddha, Shreya Desai, Swetal Patel, Rajashekhar Ingalhall. (2018) Efficacy of Leaves of Lantana Camara as Mosquito Repellent. International Journal of Trend in Scientific Research and Development (IJTSRD) ISSN No: 2456 - 6470 | www.ijtsrd.com | Volume - 2 | Issue – 5
- **Jemisha Mistry**, Nayan Ponkiya, Shreya Desai, Swetal Patel, Rajashekhar Ingalhall. (2018) Development of economical mosquito repellent using marigold plant. International Journal for Research Trends and Innovation. | ISSN: 2456-3315 Volume 3, Issue 11
- **Jemisha Mistry**, Suraj Desai, Miral Patel, Swetal Patel and Shreya Desai (2016). Isolation and characterization of Lipase producing Bacteria from Vegetable Oil Spillage Site. International journal of Current Microbiology and Applied 7706 Volume 5 Number 8 pp. 214-232
- **Jemisha mistry**, Namrata Boghani, Dhruvi Mistry, Meonis Pithawala and Sumitra Chakraborty (2015). Monitoring angiogenic property of aqueous extract from *Blumea balsamifera* leaves using *in vitro* shell-less chick embryo culture system. International journal of pharmacy and biological sciences- ISSN: 2321-3272 volume 5 issue 4 pp. 150- 154.

BOOK CHAPTERS:

Mistry J, Panchal D, Amin D (2021). Auxin. “Practical Handbook on Agriculture Microbiology”. Amaresan N, Patel P, Amin D (Editors), Springer, ISBNNO 9781071617236.

Mistry J, Jawahar G, Amin D (2021). Cytokinin “Practical Handbook on Agriculture Microbiology”. Amaresan N, Patel P, Amin D (Editors), Springer, ISBNNO 9781071617236.

Date :25/09/2021

Place: **Tarsadi (Bardoli)**