



Researching Double Helix For Life

C G Bhakta Institute of Biotechnology

www.cgbibt.edu.in



Dhruti Mistry

Teaching Assistant
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Education

PhD in Applied Sciences (BIOTECHNOLOGY)

UKA TARSADIA UNIVERSITY, Tarsadi
(Registration year June 2012)

Pursuing

Master of Science, BIOTECHNOLOGY

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

May 2011

Bachelor of Science, BIOTECHNOLOGY

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

May 2009

Specialization

Biotechnology

Professional/Teaching Experience

Teaching Assistant

C G Bhakta Institute of Biotechnology

**From 1st August, 2011 – Till date
(2 years 2 month)**

Research Interest

- **Human Cytogenetics**
- **Natural Products Research**
- **Molecular Biology**
- **Clinical Embryology**
- **Stem Cell Biology**



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

www.utu.ac.in

Research Experience

Dissertation: “Pilot observation on possible ameliorative effects of aqueous extracts from bark of *Alstonia scholaris* on bleomycin induced chromosomal damage in *in vitro* cultured human lymphocytes” under the guidance of Dr. Meonis Pithawala in M.Sc. Part II at C G Bhakta Institute of Biotechnology, Tarsadi (2011)

As a PhD scholar in Applied Sciences (BIOTECHNOLOGY) August 2012- Present
UKA TARSADIA UNIVERSITY, Tarsadi

Advisor: Dr. Meonis Pithawala

Creditable position

➤ **As Teacher In-charge**

Dissertation/M.Phil/PhD	Year/Semester	No of student
M.Sc. Dissertation	2011 – 2013	4
M.Sc. Dissertation	2012 - 2014	2
M.Sc. Dissertation	2014 – 2016	3

Professional/Research Training

- Undertook seven days training in **Plant Tissue Culture Laboratory, GNFC Ltd., Bharuch, 2010**
- Attended a national conference on “Biochemical Engineering: Present Scenario and Future Perspective ”, organized by department of chemical engineering GCET, Vallabh Vidyanagar on 12 – 13th March **2010**
- Worked as Students coordinator for “GiBION 21st state level competition” at C. G. Bhakta Institute of Biotechnology, Tarsadi, on Sept **2010**
- Worked as an organiser in one day national 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**
- Attended a state level conference on “Interdisciplinary Research In Life Sciences”, Friday 15th March **2013**, Organized by Government Science College, Chikhli

- Attended one day seminar on “Microbes in health and disease – Bioconclave 2013” held at C G Bhakta Institute of Biotechnology, on 19th October **2013**
- Worked as a coordinator in one day seminar on “Remote Sensing and Geographical Information System: Concepts and Application – 4th Bioconclave 2014” held at C G Bhakta Institute of Biotechnology, on 8th February **2014**
- 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, on 24th – 26th September, **2014**

Oral/Poster Presentation

- **Dhruti Mistry** and Meonis Pithawala (**2014**). A probe for radioprotectors from *Alstonia scholaris* against Bleomycin – induced cytogenetic alterations in cultured human lymphocytes, *in vitro*. Poster Presentation at *International Conference on Human Genetics & 39th Annual meeting of the Indian Society of Human Genetics* on the theme of “Healthy Gene – Healthy Life”, Ahmedabad, 22nd – 25th January, 2014
- **Dhruti Mistry** and Meonis Pithawala (**2014**). Anti-clastogenic activity of *Alstonia scholaris* against Bleomycin – induced damage in cultured human lymphocytes: An *in vitro* comparative assessment. Poster Presentation at international conference on “*Current Status, Opportunities and Challenges in Medicinal Plants and Natural Product Research*”, C G Bhakta Institute of Biotechnology, Bardoli, 24th – 26th September, 2014

Publications

Research Papers

1. Sumitra Chakraborty, **Mistry Dhruti** and Meonis Pithawala (**2011**) Pilot observation on possible ameliorative effects of aqueous extracts from bark of *Alstonia scholaris* on Bleomycin induced chromosomal damage in *in vitro* cultured human lymphocytes, *Electronic Journal of Pharmacology & Therapy*, **4**: 9-13

Review articles

1. Sumitra Pithawala, **Dhruti Mistry** and Pithawala Meonis (**2012**) ‘JUNK DNA’- An Evolutionary Trash or Nature’s Best Bequest?, *The IUP Journal of Genetics and Evolution*, **V (1)**: 55-64
2. Avani R Patel and **Dhruti H Mistry** (**2013**) ‘Plant Mimicry’: An Enthralling Evolution of Erroneous Exploitation, *Research & Reviews in Biosciences*, **7 (10)**: 417-430

3. Patel Unnati, **Mistry Dhruti**, Pithawala Meonis **(2013)** ‘Telomeric RNA’: End chromatin architecture’s munificent merchandise, International Journal of BioEngineering and Technology, **4 (1)**:1 – 8
4. Shraddha S Saha, **Dhruti H Mistry** and Meonis A Pithawala **(2013)** “LUMINESCENCE”: RADIANCE FOR FUTURE ERA, International Journal of Interdisciplinary Research and Reviews, **1 (4)**: 1 – 10
5. Desai Chandani, Mistry Dhruti and **Meonis Pithawala (2013)**. Stem Cell Delivery Methods: Opportunities and Challenges. Research & Reviews: A Journal of Biotechnology, **3(3)**: 32 - 40

Any other details

- District (Bharuch) champion for Swimming
- Stood 2nd at district (Bharuch) level competition for skating

Date: 10th March, 2015

Place: Tarsadi (Bardoli)