

## Dr. Dhruiti Amin



Assistant Professor  
CGBIBT  
[dhruiti.amin@utu.ac.in](mailto:dhruiti.amin@utu.ac.in)

### *Education*

<b>Ph.D in Biotechnology</b> Post Graduate Department of Biosciences, Sardar Patel University, Gujarat, India	<b>2017</b>
<b>Master of Science in Biotechnology</b> Post Graduate Department of Biosciences, Sardar Patel University, Gujarat, India	<b>2011</b>
<b>Bachelor of Science in Biotechnology</b> Natubhai V. Patel College of Pure and Applied Sciences, Sardar Patel University, Gujarat, India	<b>2009</b>

### *Specialization*

**Biotechnology**

### *Professional/Teaching Experience*

#### **Assistant Professor**

C. G. Bhakta Institute of Biotechnology  
Uka Tarsadia University, Tarsadi

**14<sup>th</sup> July 2017 - Till date**

## Research Interest

- Plant Biotechnology (Plant-pathogen interaction, plant physiology and plant tissue culture)
- Microbial Biotechnology

## Research Experience

### Doctorate

Doctorate of Philosophy (Biotechnology) (2017)

Post Graduate Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India. Topic: “Evaluation of physiological effects of biocontrol agents on groundnut (*Arachis hypogaea* L.)”. October 2011-March 2017

Ph.D. Guide: Prof. Jampala Siva Satya Mohan.

- Helped **12 postgraduate students** for dissertation work as an intermediate under the guidance of Prof. Jampala Siva Satya Mohan as well as in conducting various practicals of Biotechnology, Microbiology, Botany and Biochemistry students during 2011-2017 at P. G. Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar.

### Project fellow

BASF sponsored research project entitled “Evaluating the BASF fungicide package of practices: Seed treatment and foliar spray in groundnut for physiological effects and yield.” at Post Graduate Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India. July 2011 to March, 2016.

### Dissertation

Thesis entitled “*In vitro* propagation and antimicrobial activity of three *Calathea* species: *C. louisae*, *C. ornata* and *C. zebrina*” submitted as partial fulfillment of M.Sc. degree in Biotechnology. Dissertation research work was done at P. G. Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India from November 2010 to April, 2011 under the guidance of Prof. Jampala Siva Satya Mohan.



Resolving Double Helix For Life

## Professional/Research Training/workshops

- Participated and successfully completed 3 weeks faculty development programme on “Fundamentals of presentation and presentability” organized by the Center of Humanities and Development, Uka Tarsadia University on 21<sup>st</sup> August -8<sup>th</sup> September, 2017.
- Participated in 2<sup>nd</sup> National conference on “Current trends in biological science” CTBS-2-17 organized by Post Graduate Department of Biosciences, Sardar Patel University in association with GSBTM on 20<sup>th</sup> -21<sup>st</sup> January, 2017.
- Participated in UGC Sponsored National Conference on “Latest Developments in Basic and Applied Sciences -2015” organized by M. B. Patel Science College, Anand on 10<sup>th</sup> January, 2015.
- Participated in seminar on ‘Women society and science’ (National science day celebration-2014) jointly organized by C. C. Patel Community Science Centre and Women Cell, Sardar Patel University, Vallabh Vidyanagar on 15<sup>th</sup> February, 2014.
- Participated in Science Meet-2014 jointly organized by Gujarat Science Academy-Vallabh Vidyanagar Chapter, Charotar University of Science and Technology, Changa and C. C. Patel Community Science Centre, Sardar Patel University, Vallabh Vidyanagar, Gujarat on 9<sup>th</sup> November, 2014.
- Participated in three days workshop on “HPLC, HPTLC & GC/GC-MS Instruments” organized by Sophisticated Instrumentation Centre for Applied Research and Testing (SICART), Vallabh Vidyanagar on 24<sup>th</sup> -26<sup>th</sup> July, 2013.
- Participated in two days workshop on “Research 2 Rupees - A Technology & Research Management Programme” jointly organized by Gujarat State Biotechnology Mission (GSBTM), Dept. of Science & Technology, Govt. of Gujarat and GVFL Ltd. on 22<sup>th</sup> -23<sup>th</sup> March, 2013.
- Participated in two days symposium on “Innovations in Science- Sardar Patel University Research Scholars meet (ISSPURSM-2012)” organized by Sardar Patel University at on 8<sup>th</sup> -9<sup>th</sup> January, 2012.
- Participated in Zonal Seminar on “Physiological & Molecular Interventions on Sustainable Crop Productivity under Changing Climatic Conditions” jointly organized by Indian Society for Plant Physiology (ISPP), New Delhi and Medicinal & Aromatic Plants Association of India (MAPAI), Boriavi, Anand on 17<sup>th</sup> January, 2012.
- Participated in National Level Seminar on “Passion to Mission in Molecular Biology” - 2008 jointly organized by NVPAS, V.V.Nagar & GSBTM on 28<sup>th</sup> November, 2008.

- Received one month Industrial training (May-2008) in Plant tissue culture department, Cadila pharmaceutical LTD agro division (Ahmedabad).

## Publications

### RESEARCH PAPERS

#### International

- Amin D, Jampala SSM, Patel D. (2015). Induced systemic resistance in groundnut by foliar application of Headline (Pyraclostrobin 20%WG). *Archives of Phytopathology and Plant Protection*, 48(7): 578-587.

## Oral/Poster presentation

- An oral presentation entitled “Induction of systemic acquired resistance in in chilli (*Capsicum annuum* L.) by using fungal culture filtrate of *Sclerotium rolfsii* and biocontrol agents” was presented in UGC sponsored National conference on “Agriculture, Biotechnology & Sustainable Development” organized by Pramukh Swami science & H. D. Patel arts college and HVHP Institute of Post Graduate studies and research, Kadi, Gandhinagar on 17-18<sup>th</sup> December, 2016.
- A poster entitled “Effect of fungal culture filtrate of *Sclerotium rolfsii* on physiology and biochemistry of groundnut (*Arachis hypogaea* L.) against biotic stress” was presented in UGC-CAS sponsored National symposium on “Exploring Advances in Biological Sciences” (Eabs-2016) organized by Post Graduate Department of Biosciences in association with C. C. Patel Community Science Centre, Sardar Patel University on 5<sup>th</sup> March, 2016.
- A poster entitled “Physiological effects of Opera 183g/L SE and fungal culture filtrate of *Sclerotium rolfsii* on groundnut under water stress condition” was presented at International Conference on “Recent Trends in Applied Science: Building the Institutional and Industrial Avenues (ICRTAS-2015)” organized by Shri Alpesh N. Patel Post Graduate Institute, Charutar Education Society, Anand, Gujarat on 10<sup>th</sup> -12<sup>th</sup> December, 2015.

- Presented a poster entitled “Effect of Opera 183g/L SE (Pyraclostrobin 13.3% + Epoxiconazole 5%) in induction of plant defense system in groundnut” at International Conference on New Horizons in Biotechnology (NHBT-2015) jointly organized by Biotech Research Society, India and CSIR-National Institute for Interdisciplinary Science and Technology at Thiruvananthapuram, Kerala during November 22<sup>th</sup> -25<sup>th</sup>, 2015.
- Presented a research proposal entitled “Evaluation of Physiological Effects of biocontrol agents in Chilli (*Capsicum annuum* L.)” in three days National Workshop on Research Methodology “A march towards creating quality through research (NWCQTR-2012)” jointly organized by Sardar Patel University, Vallabh Vidyanagar and The Knowledge Consortium of Gujarat, Gandhinagar, Gujarat on March 12<sup>th</sup> -14<sup>th</sup>, 2012.
- Presented a poster entitled “Super mouse” at 3<sup>rd</sup> National level science symposium 2008 on recent developments in science organized by Christ College, Saurashtra University, Rajkot on January 6<sup>th</sup>, 2008.
- Participated in science fair of science association portfolio of Madhyastha Samiti-2008-09 held at Natubhai V. Patel College of pure & applied Sciences, Vallabh Vidyanagar, Gujarat.

## Achievements

- Cleared the certificate course with “A” grade in “SPSS” and has undergone extensive training in data capturing and statistical analysis of 60 hours duration organized by Department of Statistics, Sardar Patel University, Vallabh Vidyanagar in November, 2012.

Date: 7 October 2017

Place: Tarsadia (Bardoli)