

## Bio Data

**Name:** Dr. R.B.Subramanian  
**Designation:** Professor and Head  
**Department/Institute/University:** Sardar Patel University  
**Date of Birth:** 19-05-1960  
**Teaching:** Instrumentation, Genetic Engineering and Medical Botany to Post-graduate students.

### **Research Area:**

Major areas of Research interest is Plant and Fungal Biotechnology.

**Protein engineering; PGPR and molecular aspects of biotic and abiotic stress in plants**

**Education** (Post-Graduation onwards & Professional Career):

Sl No.	Institution Place	Degree Awarded	Year	Field of Study
1	Madurai- Kamaraj University	M.Sc.,	1982	Botany
2	Sardar Patel University	Ph.D.,	1986	Botany
3	IISC, Bangalore	Post Doctoral Research	1998	Plant Biotechnology

### **Position and Honors:**

***Position and Employment (Starting with the most recent employment)***

Sl No.	Institution	Position	From(Date)	To(date)
1	Centre for Interdisciplinary Studies in Science and technology (CISST), Sardar Patel University.	Director	June, 2018	Till date
2	Sardar Patel University	Professor	2006	Till date
3	Sardar Patel University	Reader	1998	2006
4	Sardar Patel University	Lecturer	1986	1998

### **Honors/Awards**

- Elected as fellow of Gujarat Science Academy 2007.
- DBT National Associate ship Award for the year 1997-98

### **Visits:**

Invited to attend an International meeting on strain improvement of cellulose producing Fungi at the Chonnam National University, Gwangju, South Korea on 27<sup>th</sup> March, 2009.

Attended the 4<sup>th</sup> BASF, Germany sponsored Topsciencia programme at Hong Kong from December 19-22, 2012

Attended the 5<sup>th</sup> BASF Germany sponsored Topsciencia programme at Bali, Indonesia from December 18-21, 2013

### **Others:**

- Organizing secretary, one week hands on training programme on “Molecular techniques in Plant Sciences’ in November, 2007.
- Organizing secretary, International conference on “Exploring horizons in Biotechnology: A global venture” from November 2-4, 2006.
- Organizing secretary, UGC sponsored winter school on “ Tools and techniques in Biology” in November, 2004
- Completed an S\* online Bioinformatics course from May 2004 to August 2004

### **Publications: 96**

Books: **One**

Research Papers, Reports: **80** General articles: **One**

### **Projects completed:**

S.No	Title of Project	Funding Agency	Amount	Duration of the project
1	Screening and identification of potential plant species as sources of novel metallothionein genes for phytoremediation. (Jointly with Prof Datta Madamwar & Dr Haresh Keharia)	CEIB New Delhi	Rs.3.07 crores	2010-2016

2	An investigation on the effect of Headline 20% WG and Cabrio Top 60% WG on physiology and growth of <i>Gossypiumhirsutum</i> under water stress.	BASF	3,42,000	2014-15
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### Recent Publications:

1. Mali Himanshu, Chandni Shah, Anilkumar Prajapati, Sureshkumar Mesara, Hiren Dhameliya, Darshan Patel, Ujjval Trivedi, and R B Subramanian "Improved live-cell PCR method for detection of organophosphate degrading opd genes and applications." *Applied Microbiology and Biotechnology* (2022) Accepted.
2. Jha, Yachana, Budheswar Dehury, S. P. Kumar, Anurag Chaurasia, Udai B. Singh, Manoj Kumar Yadav, U. B. Angadi et al. "Delineation of molecular interactions of plant growth promoting bacteria induced  $\beta$ -1, 3-glucanases and guanosine triphosphate ligand for antifungal response in rice: a molecular dynamics approach." *Molecular Biology Reports* (2021): 1-11.
3. Jha, Yachana, and R. B. Subramanian. "Use of Halo-tolerant Bacteria to Improve the Bioactive Secondary Metabolites in Medicinally Important Plants under Saline Stress." In *Microbiomes of Extreme Environments*, pp. 74-86. CRC Press, 2021.
4. Mesara, Sureshkumar, Himanshu Mali, Chandni Shah, Hiren Dhameliya, and Ramalingam Bagavathi Subramanian. "Application of Pyraclostrobin Enhances Growth, Quality, and Yield of Tomato." *Science & Technology Asia* (2021): 209-220.
5. Dhameliya, H., V. Thakkar, G. Trivedi, S. Mesara, and R. Subramanian. "Pentoxifylline: an immunomodulatory drug for the treatment of COVID-19." *J Pure Appl Microbiol* 14 (2020): 861-7.
6. Dhameliya, Hiren A., Sureshkumar N. Mesara, Himanshu Mali, Chandni Shah, and Ramalingam Bagavathi Subramanian. "Biochemical and Molecular Characterization of Lactic Acid Bacteria (LAB) Isolated from Fermented Pulses." *Iranian Journal of Science and Technology, Transactions A: Science* 44, no. 5 (2020): 1279-1286.
7. Noronha, Monica, Vishakha Pawar, Anil Prajapati, and R. B. Subramanian. "A literature review on traditional herbal medicines for malaria." *South African Journal of Botany* 128 (2020): 292-303.
8. Thakor, Parth, Ramalingam B. Subramanian, Sampark S. Thakkar, and Vasudev R. Thakkar. "Cytotoxic, apoptosis inducing effects and anti-cancerous drug candidature of jasmonates." In *Drug development for cancer and diabetes*, pp. 117-127. Apple Academic Press, 2020.