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Dr. P Brindha Devi completed Bachelor of Technology and Master of Technology from Anna University, Chennai, Tamil Nadu and Doctorate from Birla Institute of Technology and Science, Pilani, Hyderabad campus under the supervision of Prof. P.Yogeeswari.

### **TEACHING EXPERIENCE**

- Two year of Teaching as Teaching assistant at BITS-Pilani, Hyderabad campus from the period of 2012-2014.
- Eight Years of Teaching experience from July 2015 in the Department of Bioengineering at Vels Institute of Science, Technology and Advanced Studies to till date.
- Seven years of Headship for the Department of Bioengineering from July 2016 – June 2023.

### **INNOVATIONS / CONTRIBUTIONS IN TEACHING**

- i. Design of Curriculum: Designed the Curriculum for two regulations of B.Tech Biotechnology. Regulation 2015, 2018 and 2022 with CBCS pattern
- ii. Teaching methods: Blending Learning and Flipped Learning
- iii. Laboratory Experiments: Incorporated Demo based learning using Smart Class
- iv. Evaluation methods: Creative Mode of thinking towards the students by providing them Puzzles Chart Preparation and Designing of Clone gene and Developing into a model.
- v. Preparation of reading materials: Through Nptel and Text Books prescribed
- vi. Remedial Teaching : Till date I have given 100% results

### **Contributions to Research**

Received MSME-Championship project worth 15 lacs to perform Sustainable use of fruit and vegetable waste for food packaging purposes.

## RECOGNITIONS / AWARDS

Sl.NO	Descriptions of the Award	Awarding Agency	Level: International/ National	Award Details (Certificates, Medal, etc)	Received Date
1.	UGC recognized Evaluator	UGC	National	Certificate	10/1/2023
2.	Best Teacher Award	Rotaract Club, Chennai	National	Certificate	5-Sep-2021
3.	Top 50 women educators in Higher Education	uLektz wall of Fame	National	Certificate	20-Mar-2020
4.	Recognition-SWAYAM ARPIT ONLINE COURSE CERTIFICATION	AICTE	National	Certificate	13-Aug-2020
5.	Recognition-Resource person for Hindu Tamil featuring career guidance for higher secondary students	Hindu Tamil	National	Certificate	01-Sep-2020
6.	Certificate of Excellence in Peer reviewing	Plant Cell Biotechnology and Molecular Biology IK Press	International	Certificate	18-Dec-2020
7.	Measuring and Maximizing Impact of COVID19 Contact tracing	COURSERA	International	Certificate	08-Oct-2020
8.	Dr.A.P.J Abdul Kalam young scientist award	Marina Labs Pvt.Ltd	National	Certificate	12 August 2015

## **RESEARCH INTERESTS**

- Molecular Biotechnology
- Gene expression analysis
- Enzymology and Environmental biotechnology

## **SKILLS**

Complete hands on experience and trouble shooting on,

- Recombinant DNA technology, Protein expression studies, PCR amplification,
- Chromatographic techniques (Ni-NTA affinity chromatography, Ion exchange chromatography), Differential scanning fluorimetry.
- Enzyme kinetics and Enzyme inhibition studies.
- In-vitro MTB/anti-bacterial screening- MABA and agar dilution Method, Broth dilution method, Bio-film estimation
- In-vitro Cell culture studies on human cell lines.
- Computer assisted Drug Designing software: Schrodinger

## **HANDLING OF EQUIPMENTS**

I have handled biological equipments which includes,

- Perkinelmer X3 Microplate reader
- Molecular devices Spectramax
- Real time PCR-Biorad
- Normal PCR-Biorad
- Gel electrophoresis Unit
- Low pressure Liquid Chromatography-Biorad
- Thermoscientific Gradient Centrifuge

## **RESEARCH PUBLICATIONS**

Research Publications

Total No: 48

SCI indexed: 21

Scopus: 25

UGC: 2

Citation Index: 298 (Since 2015)

h-index: 12

## **Project Completion**

Successfully completed Vels SEED Project of Rs.1.5lacs during the year 2019.

## **Other Professional works**

- Successfully established Department of Bio-Engineering, B.Tech Biotechnology during the year 2015
- Life Member in Indian association for Engineers
- Life Member in International society for Research and Development

- Member in Indian Academicians and Researchers Association
- Member in Biotech Research society India

Editorial / Reviewer works in Journals

- Reviewer in RSC Advances
- Reviewer in Plant Cell Biotechnology and Molecular Biology IK Press