

P.Mala Profile

Ms. P.MALA, B.Tech, M.Tech,

Assistant Professor,

Department Of Biotechnology

Periyar Maniammai Institute Of Science And
Technology (Deemed To Be University)

Thanjavur-613 403.

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Educational Qualification

Qualification	Board/ University	Institution	Year of Passing
B.Tech (Biotechnology)	Periyar Maniammai University	Periyar Maniammai University.Thanjavur.	2015
M.Tech (Biotechnology)	Anna University	Anna University Regional Campus, Coimbatore.	2017

Teaching Experience

Name of institute	Designation	Duration	
		From	To
Periyar Maniammai Institute of Science & Technology	Assistant Professor	8.7.2019	Till date

Work Experience

Name of the company	Designation	Duration	
		From	To
Senthil Papain and Food Products (Pvt) Limited.Coimbatore	Quality Control Executive	1.6.2018	31.6.2019 (One year)

Research Working Area:

1. Preparation and evaluation of pullulan scaffold for biomedical application.
2. Comparison in the production of alkaline protease from Agricultural waste through pretreatment methods using *aspergillus niger* by solid state fermentation.
3. Study on efficacy of different concentrations of *gymnema sylvestre* leaves extract against bacterial pathogen.
4. Comparison study - Phytochemical analysis, antibacterial activity and antioxidant activity of *Moringa olifera*, *Acalpha indica*, *Piper betle* and *Gymnema sylvestre* using wound dressing materials

Industrial Research Experience

SITRA, Coimbatore (South Indian Textile Research Association)

- Development Of Novel Wound Dressing Materials (Hydro gel & Nanofiber) And Their Biological Activities.

Subjects & Lab Handled:

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| 1.Cancer Biology | 2.Total Quality Management |
| 3.Drug Discovery And Development | 4.Genetics |
| 5.Molecular Biology | 6.Bioinformatics And Computational Biology |
| 7. Bioenergetics And Metabolism lab | 8. Bioinformatics And Computational Biology lab |

Area of interest

- Biotechnology
- Microbiology
- Plant Biotechnology
- Wound dressing
- Downstream process
- Drug Development
- Cell culture

Paper Published (International Journal)

- **P Mala, A.Farjana Begum, R. Kumaresan,(2015) “Study on efficacy of different concentrations of *gymnema sylvestre* leaves extract against bacterial pathogen”, International Journals of pharmaceutical Sciences Review and Research 31(1), Article No.04, March-April 2015, pp:25-28.**

Presented a poster in National level symposium

- Presented a poster titled **“Comparison study on alkaline protease producing using different agricultural wastes** ‘in the national level symposium“**BIOGALAXIA**”15organised by Department of microbial biotechnology, Bharathiyar University, Coimbatore, 18th December 2015.

Seminars / Conferences / Training / FDP/ Workshops attended

- **Workshop on “Radiochemistry”** Organized by Indian Association of Nuclear Chemists and Allied Scientists, Indian Gandhi Centre for Atomic Research ,kalpakkam and Periyar Maniammai University, Thanjavur, on 27thand 28thApril,2012.
- **Seminar on “Career prospects for biotechnology and life sciences in clinical research”** Organized by Department on Biotechnology,Periyar maniammai university ,Thanjavur, on 16 october 2012.
- **National seminar on “Recent Technologies and Best Practies in Herbal Drug Industry”** Organized by Department on Biotechnology, Periyar maniammai university ,Thanjavur, on 09th and 10th November 2012
- **Workshop on “Technologies and Technologists for Indian Food Industries”** organized by ICPT (Indian institute of crop processing technology) Thanjavur, on 7thand 8thFebruary, 2014.
- **National Level Seminar On “Nanobio materials”** at Anna University Coimbatore on 10th11th March 2016
- **Workshop on “Materials chemistry for future industrial development** “Organized by Department of industrial chemistry karaikudi,on 6th and 7thJanuary 2017.
- National Level seminar on “Advances in bulk grain storage &smart sensor and IoT Applications in warehouses” Organized by Indian Institute Of Food Processing Techology.Thanjavur on 26th july 2019
- National Level seminar on **Awareness And Services Provisions For Persons With Multiple Disabilities For Requiring Early Rehabilitation In Tamilnadu** Organized by Department of computer science and application ,PMIST ,Thanjavur from 3rd to 5th December 2019.
- DBT Sponsored 2nd national workshop on **“Bio processing Strategies for Bio flues” Production ,modeling ,Simulation and optimization** conducted at SASTRA, Thanjavur Tamilnadu during December 9-14,2019
- Two Day Workshop on **“Process Engineering In Biotechnology Applications”** held on 27th & 28th September 2019 organized by department of biotechnology, PMIST
- Organized **“Two Days National Level Technical Symposium On ‘BIONICS’19”**by the department of biotechnology at Periyar Maniammai Institute Of Science And Technology Thanjavur on 10th – 11th October 2019

- National level Workshop on "**Applications of Enzyme in Food Industries**" Organized by the department of food technology on 04.05.2020
- Training on "**How to Prepare and plan to write**" conducted by Editage Training Academy on 04.01.2020
- FDP Program on "**MOODLE**" Organized by Tagore institute of engineering and technology, attur in association with spoken tutorial IIT on 04.05.2020 to 09.05.2020

Awards and Achievements

- Good Leadership Qualities Awards in NCC
- Best Leadership Awards in Scout /Guide
- Winner & Runner up Trophy/Award in Athletics

Administrative Accomplishments

- Class In charge
- Class Mentor
- CUII Coordinator
- NAAC II Coordinator
- Alumina Coordinator
- Department Admission Coordinator