

## PROFILE

**Name** : Dr. P. Joyruth  
**Designation** : Assistant Professor  
**Department** : Microbiology  
**Date of Joining** : 18.01.2023  
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**Educational Qualification:** M. Sc., M.Phil, Ph.D



Degree	Subject	College, University & Place	Year Completed
Ph.D	Microbiology	Hindusthan College of Arts and Science, Bharathiar University, Coimbatore.	April 2023
M.Phil	Microbiology	Karpagam College of Arts and Science, Karpagam Deemed University, Coimbatore.	September 2010
M.Sc	Microbiology	Tiruppur Kumaran College for Women, Bharathiar University, Coimbatore.	April 2009
B.Sc	Microbiology	Tiruppur Kumaran College for Women, Tiruppur, Bharathiar University, Coimbatore	April 2007

**PGDQAM** – Post Graduate Diploma in Quality Assurance in Microbiology.

### Research Works Undergone

**M.Sc** - Studies on Thermostability of Oral polio vaccine from the field.

**M.Phil** - Production, Purification, Characterization of Lipase from fungal species and its application in detergent industry.

**Ph.D** - Isolation, Characterization and Potential Application of Lipase from soil Bacteria for removal of lipid stains on cotton fabrics.

### Specialization in Teaching

- Diagnostic Microbiology

- Food Microbiology
- Clinical Microbiology
- Biotechnology & IPR
- Fundamental of Microbiology
- Molecular Genetics

### Professional Experience

S.No	Designation	Designation	Institution	Date
1	Assistant Professor	Microbiology	The American College, Madurai.	18.01.23 to till date
2	Assistant Professor	Microbiology	Hindusthan College of Arte and Science, Coimbatore.	1.07.2010 to 31.11.2012
3	Assistant Professor	Microbiology	P. K. N College of Arts and Science, Tirumangalam.	1.07.2013 to 31.11.2014, 13.06.2016 to 30.05.2021

### List of Publications

- M. Palaniswamy, T. Rajeswari and **P. Joyruth**, 2010. Production, Partial purification and characterization of Lipase from *Aspergillus flavus* KUF108. **Pakistan Journal of Scientific and Industrial Research**, 53(5), 233 – 290.
- **P. Joyruth** and Lali Growther, 2017. A review on microbial lipase production, purification, characterization & applications in various fields. **Asian journal of Microbiology, Bio technology, and Environmental science**, 20(1), 294 – 300.
- **Joyruth** and Lali Growther, 2020. Molecular Identification, production and optimization of Lipase from oil contaminated soil using submerged fermentation, **J. Pure. Appl. Microbiol.**, 14(1), 341 – 349.
- Nasheer Mohammed and **Joyruth**, 2023. A Review on Alzheimer's Disease: The Prevalence of Dementia. **International Journal of all Research Education and Scientific Methods (IJARESM)**, 11, 2455 – 6211.

### Conference/ Seminar Presentations

1. Presented a paper entitled, **Study on Thermostability of Oral polio vaccine from the field** in two-day National conference on Developments in Deterrent Drug Formulation against Microbial Infection held at Dr. G. R. Damodaran college of Science, Department of Microbiology, During Feb 24-25, 2009.
2. Presented a paper entitled studies on **Phytochemical profile of onion and Ginger as antimicrobial agent** in National conference on Plant and Microbial metabolites held at Karpagam University during 11<sup>th</sup> and 12<sup>th</sup> Feb, 2010.
3. Presented Research paper entitled on **Screening of microbial Lipases and their significance in protection of environment** on National level seminar on Emerging Trends in plant Biotechnology, on 4<sup>th</sup> and 5<sup>th</sup> Feb, 2010 at PG and Research Department of plant Biology and plant Biotechnology, Government Arts college, Coimbatore.

4. Presented Research paper entitled on **Microbes: Tribute to clean Environment at National seminar on Microbial Diagnostics** held by Dr. G. R. Damodaran college of science, Department of Microbiology, during March 18, 2010.
5. Presented Research paper entitled on **Biosynthesis of Noval Lipases and its Application in Detergent formulation at International conference**, Health and diseases – 2011 organizing by Human Molecular Genetics Laboratory, Department of Zoology, School of Life Science, Bharathiar University, during 9<sup>th</sup> - 11<sup>th</sup> Dec 2011.
6. Presented Research paper entitled on **Extraction and characterization of Polyhydroxybutyrate from *Bacillus* sp.**, in 3<sup>rd</sup> International Conference on Emerging Trends in Microbial Technology organised by PG and Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli, during 24<sup>th</sup> January 2024.

### Poster Presentation

Presented a poster on **Comparative studies of *Beauveria bassiana* and *Aspergillus flavus* against *Fusarium oxysporium*** in II Louis Pasteur symposium on Antimicrobial Resistant and Drug Discovery on Sep 9<sup>th</sup> and 10<sup>th</sup> 2009 at Dr. N. G. P Arts and Science College, Coimbatore.

### Workshops Attended

1. **Attended workshop on Bioinformatics** and gained Knowledge in Drug Designing and Molecular Modelling held at Hindusthan college of Arts and science, Department of Biotechnology and Microbiology, at Aug 4<sup>th</sup> and 5<sup>th</sup>, 2010.
2. Attended **workshop on Biotechniques** and has gained knowledge in RFLP, RAPD, Ion Exchange Chromatography and Column Chromatography at July 16<sup>th</sup> and 17<sup>th</sup>, 2010 in PG and Research Department of Microbiology and Biotechnology, Hindusthan college of arts and science, CBE held by Medox Biotech India Pvt. Ltd., Chennai.
3. Attended workshop on Biotechniques and has gained knowledge in **RFLP, RAPD, Ion Exchange Chromatography and Gel Filtration** at 24<sup>th</sup> and 25<sup>th</sup> 2011, Aug, Research Department of Microbiology and Biotechnology, Hindusthan College of arts and science, CBE held by Helina Biomolecular Pvt. Ltd., Chennai.
4. Attended workshop on Single – Cell Omics at 12.10.23 and 13.10.23 in Aravind Medical Research Foundation, Madurai.

### Meritorious Awards

1. Presented paper entitled **A study on stability of Oral polio vaccine** and awarded 2<sup>nd</sup> prize in National Seminar on Bio GMO Challenges held on 1<sup>st</sup> Oct 2009 organized by Department of Biotechnology, School of Life science, Karpagam University, Coimbatore.
2. Presented paper entitled **Optimization of Lipase from oil contaminated soil and compatibility with detergents**. And awarded Best presentation in National seminar on 18<sup>th</sup> Sep 2017 organized by Department of Microbiology and Biotechnology, Sourashtra College of Arts and Science, Madurai.

