

Personal Details	Prof. Pattabhiraman Lalitha
Academic Qualifications	B.Sc Chemistry (University of Madras, TN, India) M.Sc Medical Biochemistry (Christian Medical College, Vellore, TN, India), PhD Biotechnology (Anna University, Chennai, TN, India)
Administrative Duties	Lecturer
Publications (last 5 years)	Publications including books

No	Publications
1.	Mohammad Auwal Sa'ad , Kavitha Ramasamy, Neeraj Kumar Fuloria, Shivkanya Fuloria, Manickam Ravichandran, and Pattabhiraman Lalitha , The Virulence system of <i>Porphyromonas gingivalis</i> : Genes, Mechanism and Potential Role of Gingipains Inhibitors. Malaysian Journal of Microbiology (Accepted) will be published in Vol 17 (2), April 2021 .
2.	Chandrika Murugaiah, Nik Zuraina Nik, Mohd Noor, Hassanain Al-Talib, Shyamoli Mustafa, Ravichandran Manickam, Lalitha Pattabhiraman . Immunohistochemical, histological and ultrastructural evaluation of protection provided by cholera vaccine against <i>V. cholerae</i> O139. Microbial Pathogenesis 140 (2020) 103964
3.	Naaz, F., Ahmad, F., Lone, B.A., Pokharel, Y.R., Fuloria, N.K., Fuloria, S., Ravichandran, M., Pattabhiraman, L. , Shafi, S., Shahar Yar, M., 2019 . Design and synthesis of newer 1,3,4-oxadiazole and 1,2,4-triazole based Topsentin analogues as anti-proliferative agent targeting tubulin. Bioorganic Chemistry 95, 103519.
4.	Murugaiah C, Noor NZ, Mustafa S, Manickam R, Pattabhiraman L . Evaluation of intestinal damage caused by <i>V. cholerae</i> O139, an in vivo study. Microbial Pathogenesis . 2017 Apr;105:25-29. doi: 10.1016/j.micpath.2017.02.002. Epub 2017 Feb 4.

On-going Research	As below
Completed Research	As below
Research Grants	Research Grants

No	Funding body	Title	Role	Duration	Value (RM)
1.	FRGS	Discovering and Understanding the Mechanism of Phage Lysins as Enzybiotics: A novel functional metagenomic approach	Investigator	2013-2015	150,000.00
2.	FRGS	Discovery of novel benzamidine analogues based silver nanoformulation for treatment of periodontitis due to P. gingivalis: A study that encompasses molecular docking, 3D-QSAR analysis, synthesis and silver nanoformulation of benzamidine analogues accompanied by toxicity analysis, in-vitro and in-vivo (egg model) evaluation against gingipain.	Investigator	2018-2021	140,800.00
3.	FRGS	Stemming the Rot from Within: Effect of lytic bacteriophage application on macergens causing soft rot diseases	Co-investigator	2018-2021	122,200.00
4.	FRGS	Synthesis and evaluation of Novel Chromone Analogues potential against Corona Virus	Co-investigator	2020-2023	150,200.00

Consultancy	Have done in the area of Molecular Diagnostics
Awards	29 Awards for academic and Research excellence
Supervision	MSc/PhD Post graduates students: Current - 3, Completed - 10
Teaching	MSc Anatomy – Gene mutations MSc Biochemistry by Research MSc Biotechnology by Research PhD Biotechnology by Research
Areas of Expertise	Molecular diagnostics Biosensors Bacteriophages
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