



Dr. Mabel Merlen Jacob,
Assistant Professor,
Department of Microbiology,
St. Mary's College, Thrissur - 680 020,
Kerala, India.
Mob: 8129442956
E-mail: merlin.mabel@gmail.com

Professional objective

An opportunity to open the young minds to the wonder world of microbes and to ignite in them a passion to explore the myriad possibilities of that world for the betterment of our life.

Personal Particulars

Gender -Female
Date of Birth - 22- 10-1980
Marital Status - Married
Nationality - Indian
Communication-Malayalam,English,Hindi,
Kannada
Years with firm- 3 years

Experience

2011- Present Assistant Professor,
Department of Microbiology,
St. Mary's College, Thrissur
2010-2011 Lecturer (F.I.P),
Sree Sankara College, Kalady
2004-2010 Senior Research Fellow &
Junior Research Fellow,
CFTRI, Mysore

Education

Degree: BSc.
Institution: Union Christian College
Year:2001
Major Field: Biological Techniques
& Specimen Preparation
Degree: MSc.
Institution: School of BioSciences
Year:2004
Major Field: Microbiology
Degree: PhD
Institution: CFTRI, Mysore
Year:2012
Major Field: Biotechnology

Awards and Achievements

Second Rank in BSc. Biological Techniques
and Specimen Preparation (M. G University)
Third Rank in MSc. Microbiology (M. G
University)
Qualified Mahatma Gandhi University merit
scholarship (2001-2003).
Qualified CSIR-UGC Junior Research (JRF)
Fellowship & Lectureship - National
Eligibility Test (NET) (2003) from CSIR,
New Delhi.
Qualified Graduate Aptitude Test in
engineering (GATE) 2004.

Research Training Experience

Certificate programme in CODEX General Principles Of Food Hygiene & Application of HACCP Based Food Safety System

DBT Sponsored Training Programme on "Molecular Biology Techniques In Microbiology"

Research Interests

1. Microbial metabolites like siderophores
2. Fermentative production and characterisation of enzymes like Protease
3. Antimicrobial, antioxidant, phytochemical and antigenotoxic activity of plant extracts

Research Guidance

Dissertation Title	Year
Milk quality analysis	2012
Study on the prevalence of siderophore production in selected bacteria and fungal isolates	2012
3. Evaluation of the effect of selected variables on siderophore production by <i>Aspergillus niger</i>	2012
Studies on characterization and antimicrobial susceptibility of selected isolates of facial microflora	2013
Study on isolation and characterization of protease producing <i>Bacillus</i> strain from detergent contaminated soil	2013

Publications

National/International Journals

Mabel Merlen Jacob, Prapulla S G. 2012. Microbial transglutaminase production by *Streptomyces griseocarneus* MTCC 328 and optimization of nutritional parameters by response surface methodological approach International Journal of Universal Pharmacy and Life Sciences 2(1): 64-78

Mabel M J, Nandini M, & Prapulla S G. 2012. Solid state bioconversion of agricultural by-products: Production of transglutaminase by *Streptoverticillium ladakanum* NRRL-3191. *JSSCM Journal*, 1, 27-32.

Mabel M J, Sangeetha P T, Platel K, Srinivasan K, Prapulla SG. Physiochemical characterization of fructooligosaccharides and evaluation of their suitability as a potential sweetener for diabetes. *Carbohydr Res* 2008, 343: 56-66.

Book Chapter

Mabel Merlen Jacob, Prapulla S G. 2012. Fructans including Inulin., in Handbook of Analysis of Active Compounds in Functional Foods Published by CRC Press; ISBN 9781439815885.

Conferences/Seminar/Symposia Participation

1. National seminar on emerging trends in Biopharmaceuticals at St. Mary's College, Thrissur on 26.08.2011 & 27.08.2011
2. National seminar on Nanobiotechnology at St. Marys College, Thrissur on 04.08.2011&05-08-2011
3. National Seminar on Quality Enhancement in Higher Education through Student Support at St. Marys College, Thrissur on 02.03.2012&03-03-2012