

FACULTY PROFILE



Mrs Resmi.S.S

Assistant Professor

School of Biosciences

Mahatma Gandhi University,

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BIO DATA

Name, designation and address: **Mrs Resmi.S.S**
Assistant Professor
School of Biosciences
Mahatma Gandhi University,
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Kerala 686 560
Ph- +919447030243
Email- resmivineeth2003@gmail.com

ACADEMIC QUALIFICATIONS:

| Degree | University | Subject | Year | Remarks |
|--------------|--|------------|------|-------------|
| B.Sc. | University of Kerala | Zoology | 1999 | First Class |
| M.Sc. | Mahatma Gandhi University, Kottayam | Biophysics | 2001 | First Class |

NET Qualified for **NET** in the combined CSIR- UGC Examination (2001).

Teaching Experience: 14 Years

Ph.D: Doing Ph.D under the supervision of Dr.Keerthi.T.R, Associate professor and Director, School of Biosciences, Mahatma Gandhi University ,Kottayam.

Topic: “Biophysical Characterization of Bacteriocin produced by Lactic Acid Bacteria”

PROFESSIONAL CAREER:

Guest Lecturer : 05/11/2002-20/11/2003

Lecturer (Contract) :21/11/2003-23/05/2006

Assistant Professor : 24/05/2006 onwards

RESEARCH:

SHORT DESCRIPTION OF RESEARCH HIGHLIGHTS

The areas of research include characterization and structure elucidation of Bacteriocins produced by Lactic acid bacteria. Lactic acid bacteria (LAB) are ubiquitous and are common components of the human commensal Microflora. Bacteriocins produced from LAB or /and the bacteria itself can be used as good solution to the problem of resurgence of resistant strains to antibiotics as they have been recognized as safe and naturally occurring owing to the GRAS status of of LAB. Characterization, identification and purification of bioactive compounds produced by LAB strains especially bacteriocins find enormous application in the food and pharmaceutical industries especially with respect to their possible function as biotherapeutic agents leading to replacement of antibiotics at least for simple infections as well as due to their potential application in the food industry as natural preservatives.

M.Sc project guided awarded under guidance: 2

M.Sc dissertation submitted under guidance:

1. Effect of different media and medium components on the growth and production of Bacteriocin-like inhibitory substance by *Enterococcus faecium* MBTU-P1F1.
2. Isolation and screening of potential Bacteriocin producing Lactic Acid Bacteria from Human Breast Milk.

LIST OF PUBLICATIONS:

Effect of Oral Contraceptives on respiratory Function **Resmi.S.S**, Elizabeth Samuel, C.Kesavachandran and Shankar Shashidhar (2002) in *Indian J Physiology & Pharmacology* 2002;46 (3):361-366.

Poster / Oral presentation

Glindya Bhagya Lakshmi, Anjali Anne Jacob, Anu P. Sebastian, **Resmi S.S.** and Keerthi T. R. (2012). "*Health promoting microflora from natural sources*". International Conference on Advances in Biological Sciences "ICABS 2012" held during 15-17 March 2012, Kannur, Kerala, India. **Poster Presentation**

Seminars and conferences

- National seminar on Modern Trends in Bioscience organized by School of Biosciences, Mahatma Gandhi University, Kerala on 14th and 15th February 2007.
- National Seminar on "*Genomics and Transgenics-Challenges and Prospects*" organized by Department of Biotechnology, University of Kerala on 14th November 2008.
- Five-day workshop on Curriculum Design for B.Sc Biophysics course, conducted at University of Calicut on 25th & 26th February 2009.

- One day workshop on Capacity Building and Enhancement Initiatives on Research Projects National seminar *on* Organized by Mahatma Gandhi University, Kerala on 2nd April 2009.
- National Seminar series in celebration with the Birth Bicentenary of Charles Darwin, August 7th, 2009 Organized by School of Biosciences, Mahatma Gandhi university.
- UGC sponsored Refresher Course in Bioinformatics conducted by UGC-Academic Staff College, Kerala University from 27th January to 17th February 2010
- Training on Microbial Gene Manipulations” conducted by CPBMB, College of Horticulture from 3rd -15th May 2010.
- National Seminar on Emerging Trends in Biopharmaceuticals at St.Mary's College on 26th and 27th August 2011
- National Seminar on Life style and Diseases School of Biosciences, Mahatma Gandhi University, Kottayam;19-20 January,2012
- 24th Kerala Science Congress at Rubber research Institute of India, Kottayam On 29th -31st January 2012.
- DST-PURSE sponsored workshop on Frontiers of Spectroscopy and Microscopy at Mahatma Gandhi University on 10th -12th September 2012.
- State Level Workshop on “Molecular Phylogenetics in Microbiology” organized by School of Biosciences, Mahatma Gandhi University on 26th -28th September 2012.
- National Seminar on *Basic and Advanced Biochemical Techniques:Relevance in Interdisciplinary Research Scenario*.at Bishop Kurialacherry College for Women on 3rd &4th September 2013.
- UGC sponsored Special Winter School conducted by UGC-Academic Staff College, Kerala University from 28th November to 18th December 2013.
- 26th Kerala Science Congress at Veterinary and Animal Sciences University, Pookode, Wayanad on 28th -31st January 2014.

- 27th Kerala Science Congress held at Alappuzha, 27th-29th January 2015

Poster / Oral presentation

Glindya Bhagya Lakshmi, Anjali Anne Jacob, Anu P. Sebastian, **Resmi S.S.** and Keerthi T. R. (2012). "Health promoting microflora from natural sources". International Conference on Advances in Biological Sciences "ICABS 2012" held during 15-17 March 2012, Kannur, Kerala, India. **Poster Presentation**

FUNDED PROJECTS

AS Co-INVESTIGATOR

1 Dr. Anie.Y (Principal Investigator) and **Mrs.Resmi.S.S** (Co-Investigator) Chemotactic response of human phagocytic cells (Poly morpho nuclear leukocytes and monocytes) in tuberculosis patients. Minor Project (1, 84000 Lakhs) from UGC. (2010-2012).

AS PRINCIPAL INVESTIGATOR.

2. **Mrs.Resmi.S.S** Purification and Characterization of bacteriocin produced by lactic acid bacteria from Natural isolates. Minor Project (Five Lakhs) from UGC. (2016-2018)

Seminars/Workshops organized.

1. National workshop on *Advanced Statistical tools and software for Biological Research*. 27th September to 1st October 2016 sponsored by Mahatma Gandhi University.
2. National seminar on *Recent Trends in Applied Life Sciences*, March 15th & 16th Sponsored by Mahatma Gandhi University.

DETAILS OF CONTRIBUTIONS TO ACADEMIC ENVIRONMENT

- Chairman of Board of Question paper setters for II, III & V Semester B Sc Biophysics (CCSS) Examination 2012.(Calicut University)
- Chairman of Board of Question paper setters for II & IV Semester B Sc Biophysics (CCSS) Examination 2012.(Calicut University)
- Member of Board of Question paper setters for B.Sc. Biotechnology Examination March 2012, (Calicut University)
- Member of Expert Committee in First Semester M.Sc. Biotechnology, March 2013 Mahatma Gandhi University, Kottayam.
- Member of Expert Committee in First Semester M.Sc. Biotechnology ,March 2013 Mahatma Gandhi University, Kottayam.
- Member of Expert Committee in First Semester M.Sc. Biosciences ,March 2013 Mahatma Gandhi University, Kottayam
- Member, Board of Studies in Biosciences, Mahatma Gandhi University, Kottayam
- Chairman of Board of Question paper setters for B Sc Biophysics Examination 2013,
- Member of expert committee for the constitution of board of studies for School of Bioscience 2013
- Member of Board of Question paper setters for I & III semester M Sc Biotechnology Examination 2013
- Chairman of Board of Question paper setters for II, IV, VI B Sc Biophysics (CCSS) Examination 2013(Calicut University)
- Chairman of Board of Question paper setters for B Sc Biophysics (2005 & 2008 Admission) Examination 2013,

- Member of Board of Question paper setters for B Sc Botany and Biotechnology Examination April 2015, Member(Kerala University)
- Member of Board of Question paper setters for B Sc Botany and Biotechnology Examination 2015, Member(Mar Ivanios College)
- Chairman of First Semester M.Sc. Microbiology Examination, March 2015(Mahatma Gandhi University)
- Member, Board of Question Paper Setters for B.Sc. Botany & Biotechnology Degree Examination, April 2015, University of Kerala.
- Member, Board of Question Paper Setters for III Semester M.Sc. Microbiology & Biotechnology Examination, November 2015 ,University of Kerala
- Chairman & Chief Examiner of Board of Examiners for I Semester M.Sc. Microbiology, Mahatma Gandhi University, Kottayam .
- Member, Board of Studies in Microbiology, Kannur University, Kottayam.

MEMBERSHIP IN PROFESSIONAL BODIES

- Member of Kerala Academy of Sciences.

**Promotion from Assistant Professor Grade I
to
Assistant Professor Grade II**

Submitted by

Mrs Resmi.S.S

Assistant Professor in Biophysics

School of Biosciences

Mahatma Gandhi University,

Kottayam, P.D.Hills P.O.

Kerala 686 560

From

Mrs Resmi.S.S
Assistant Professor in Biophysics
School of Biosciences
Mahatma Gandhi University,
Kottayam, P.D.Hills P.O.
Kerala 686 560

To

The Registrar
Mahatma Gandhi University,
Kottayam, P.D.Hills P.O.
Kerala 686 560

Sir,

Sub: Promotion from Assistant Professor Grade I to Grade II reg:-
Ref: UGC regulations for career Advancement for University Teachers as per UGC
Regulations.

I am working as Assistant Professor at School of Biosciences, Mahatma Gandhi University since 24.05.2006. I request your esteemed office to go through the documents submitted by me for promotion under career advancement scheme and take necessary steps to promote me from Assistant Professor Grade I to Grade II as per 2010 UGC Regulations.

Thanking You

Yours faithfully

Resmi.S.S

P D Hills

31-03-2017

