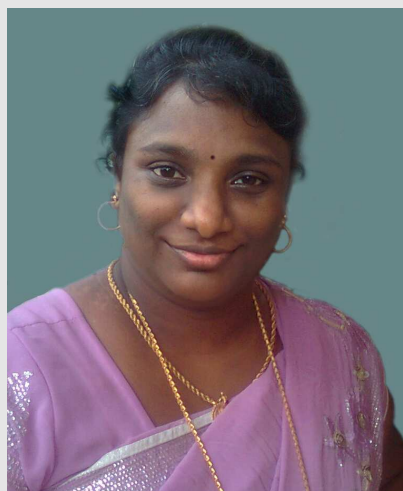


RESUME

JEEVA. S



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Objective

To enroll and work in challenging environments and to obtain a position that will enable me to use my educational background, research, leadership skills and ability to work well with people.

Professional Summary

M.Sc., M.Phil., PGDIT.,D.Co-op., (Ph.D)., having 9+ years of experience in teaching and guiding projects with exposure to microbiology.

Educational Qualification

Master of Philosophy

University : Annamalai University
Percentage : 61.3 %
Grade : First class
Year of passing: 2004

Master of Science in Microbiology

University : Manonmaniam Sundaranar University
Percentage : 63.6 %
Grade : First class
Year of passing: 2001

Bachelor of Science in Zoology

University : Manonmaniam Sundaranar University
Percentage : 74.9 %
Grade : First class
Year of passing: 1999

Certificate course

PG Diploma in Information Technology (PGDIT)

Institute : BITS, NGO Colony, Nagercoil (2001-2002).

Diploma in Co-operation (D.Co-op)

Institute : M.D.K Institute of Co-operative Management at Trinelveli (1995-1996)

Area of interest

Industrial Microbiology, Immunology, Food Microbiology, Medical Microbiology, Pharmaceutical Microbiology, and Molecular Biology.

Technical proficiency

- **Microbiological techniques**

Laboratory precautions, microscopy, staining techniques, sterilization techniques, preparation of microbiological media, pure culture techniques, maintenance of microbes, biochemical

Personal Data

Date of Birth : 10.03.1977
Sex : Female
Marital Status : married
Languages Known : English, Tamil
Nationality : Indian

characterization, generic identification, fungal culture techniques.

- ***Biochemical techniques***

Estimation (protein, carbohydrates), quantification of DNA, RNA, amino acid separation, enzyme activity assay, BOD, COD, Chromatography (Thin layer, column, paper), Immobilization of Microbial cells in various matrix (Sodium Alginate, calcium alginate, k-Carrageenan, polyacrylamaide).

- ***Molecular techniques***

DNA Isolation (plasmid and genome) of Bacteria, transformation, conjugation, transduction, mutagenesis (spontaneous, induced- chemical/ radiation), Agarose gel electrophoresis, SDS-PAGE, PCR, RAPD, RFLP.

- ***Medical and Clinical Microbiology techniques***

Blood grouping, preparation of bacterial antigen, Kirby Bauer's antimicrobial sensitivity test, clinical media preparation (specific), Collection of clinical samples, biochemical analysis of pathogens, MIC and MBC, WIDAL test.

- ***Industrial Microbiology techniques***

Production of extra cellular enzymes (amylase, protease, lipase, cellulose, phosphatase), purification of extra cellular enzymes (dialysis, acetone method), whole cell immobilization, solid state fermentation, stain improvement (physical, chemical), production of microbial products (ethyl alcohol, citric acid, yogurt), preparation of biofertilizers.

Computer Knowledge : MS Office

Present Employer

Udaya College of Arts and Science, Vellamodi, Tamilnadu.

Designation : Head and Ass. Professor, dept. of Microbiology

Duration : From May 2006 to till date

Previous Employer

Sivanthi Adithanar College, Pillayarapuram, Kanyakumari District, Tamil Nadu

Designation : Lecturer in PG department of Microbiology

Duration : 5th August 2002 – July 2005

Achievements

- Organized a District level Inter-School competition "Bioinnovation" by the Department of Microbiology Udaya College of Arts and Science on 10th October 2013.

Reference:

Dr.M.SivaLaila.,

Principal,

Udaya College of Arts and Science,
Vellamodi,
Kanyakumari District,
Tamilnadu, India.

- Organized a one day National seminar on “ Milieu Health 2011” (NSMH’11) by the Department of Microbiology and Biotechnology, Udaya College of Arts and Science on 8th February 2011.
- Project entitled “Optimization studies on Lipase producing bacteria” was funded by TNSCST, Chennai.
- Secured University 9th rank in Master degree.
- Won 2nd prize in essay competition “Where is the youth heading today?” conducted by Department of Youth Welfare, Manonmaniam Sundaranar University, Trinaveli (24th September 1998).

Books Published

- Jeeva. S, 2009. **Bioinformatics – A new Approach.** Hari Krish Publication (ID.No.90864), Nagercoil. ISBN-978-81-908674-1-2
- Jeeva. S, 2009. **Microbiological Methods.** Hari Krish Publication (ID.No.90864), Nagercoil. ISBN-978-81-908674-0-5.
- Jeeva.S, 2010. **Microbiology.** Scitech Publications (India) Pvt Ltd, India. ISBN-13: 978-81-8371-251-4.

Paper Published in National/International Journals

1. ***S. Jeeva,** T.Selva Mohan, A.Palavesam, N.C.J.Packia Lekshmi , and J.Raja Brindha. **2011.** Production and optimization study of a Novel Extracellular Polysaccharide by wild-type isolates of *Xanthomonas campestris*. ***Journal of Microbiology and Biotechnology Research***, 1 (4):175-182.
2. ***S. Jeeva,** V.R. Jeya Sree, T.Selva Mohan, N.C.J.Packia Lekshmi , and J.Raja Brindha. **2012.** In-vitro study on clinical prevalence and antimicrobial susceptibility of conjunctiva infecting *Staphylococcus aureus* in humans. ***Journal of Bio Innovation***. 5: 127-131.
3. IM Ramzan Shamila, ***S Jeeva,** D Jeya Sheela, J Raja Brindha, NCJ Packia Lekshmi. **2012.** Antimicrobial Spectrum and Phytochemical Study of *Ficus Tsiela L.* (Moreceae). ***Drug Invention Today***, 4(2), 337-339.
4. D. Jeya Sheela, ***S. Jeeva,** I. M. Ramzan Shamila, N. C. J. Packia Lekshmi and J. Raja Brindha. **2012.** Antimicrobial activity and phytochemical analysis of *Sanseiveria roxburghiana* leaf. ***Asian Journal of Plant Science and Research***, 2 (1):41-44.
5. S Sivakamasundari and **S Jeeva.** **2012.** Screening of Methanol, Diethyl Ether and Acetone Extracts of Medicinal Plant *Mimosa Pudica L.* For Antibacterial Activity against *Enterobacter Aerogenes*. ***Drug Invention Today***, 2012, 4(3), 355-357.
6. J. Raja Brindha, T. Selva Mohan, G. Immanual, **S. Jeeva** and N. C. J. Packia Lekshmi. **2011.** Studies on amylase and cellulase enzyme activity of the fungal organisms causing spoilage in tomato. ***European Journal of Experimental Biology***, 1 (3):90-96.
7. N. C. J. Packia Lekshmi, S. Benarcin Sumi, S. Viveka, **S. Jeeva**

- and J. Raja Brindha. **2012**. Antibacterial activity of nanoparticles from *Allium* sp. *Journal of Microbiology and Biotechnology Research*, 2 (1):115-119.
8. N. C. J. Packia Lekshmi, N. Sowmia, S.Viveka, J. Raja Brindha and **S. Jeeva**. **2012**. The inhibiting effect of *Azadirachta indica* against dental pathogens. *Asian Journal of Plant Science and Research*, 2 (1):6-10.
 9. M. Selva Bharath, N. C. J. Packia Lekshmi, P. Dinesh Kumar, J. Raja Brindha, **S. Jeeva**. **2012**. Synthesis of plant mediated silver nanoparticles using *Solanum xanthocarpum* fruit extract and evaluation of their anti microbial activities. *Journal of Pharmacy Research*, 5(9): 888.
 10. N. C. J. Packia Lekshmi, M. Kalavathy, S. Viveka, **S. Jeeva** and J. Raja Brindha. **2013**. Antibacterial activity of silver nanoparticles synthesized extracellularly by soil microflora. *Turkish Journal of Science & Technology*, 8(1): 23-28.
 11. N. C. J. Packia Lekshmi, M. Selva Bharath, A. Anita Margret, J. Raja Brindha, **S. Jeeva**. **2013**. HPTLC fingerprint analysis of *Solanum xanthocarpum* fruit and its antibacterial activity. *International Journal of Advances in Pharmaceutical Sciences*, 1(5): 433-437.
 12. ***S. Jeeva**, T. Selva Mohan and A. Palavesam. **2013**. Influence of entrapment technique and the production of xanthan on repeat batch fermentation process. *International Journal of pure & Applied Bioscience*, 1(5): 30-35.
 13. ***S. Jeeva**, J. Raja Brindha, N.C.J. Packia Lekshmi and A. Vasudevan. **2013**. Survival studies on genetically modified bacterins and their immunization effect on gold fish (*Carassius auratus*). *Indian Journal of Applied Research*. 3(11): 547-549.

Papers presented in National/International Conference/Seminar

1. Presented a paper on “Screening of *Xanthomonas campestris* – Plant pathogen and its ability to produce xanthan gum” in Third All India Conference of KAAS held at Scott Christian College (Autonomous) on December 1st and 2nd, 2006.
2. Presented a paper on “Immunization of Gold fish (*Carassius auratus*) with genetically modified mutants of *Aeromonas hydrophila* – A live vaccine and its survival rate in natural environment” in Fourth All India Conference of SRF held at Scott Christian College (Autonomous), Nagercoil-629003, Tamil Nadu on April 13th 2007.
3. Presented a paper on “Production of xanthan with immobilized cells of *Xanthomonas campestris* in various matrices by entrapment technique” in First International Conference of KAAS held at Womens Christian College, Nagercoil on 5th and 6th 2008.
4. Presented a paper on “Algal diversity in Perungulam village, Kanyakumari District” in National seminar on Biodiversity conservation and Management of Aquatic Resources (NSBCMA’2010), held by Directorate of Research and Extension (Fisheries), TANUVAS, Fisheries College and Research Institute Campus at Hotel Canaan, Nagercoil on 9th and 10th December, 2010.

5. Presented a paper on “திட்பெருக்க முறையில் சாந்தேன் உற்பத்தி” (production of xanthan by solid state fermentation)” in Science Tamil – National Conference (அறிவியல் தமிழ் - தேசிய கருத்தரங்கம்) conducted by Tamil Nadu Government and Manonmanium Sundaranar University at Vivekanandha Kendra, KanyaKumari on 7th and 8th October 2010.
6. Presented a paper on “Factors influencing production and characterization of pediocin produced by *Pediococcus pentosaceus* and *Pediococcus acidilactici*” in International conference on Drug Design & Development, SCITECH’11 organized by the Department of Chemistry, Microbiology & Biochemistry, Nadar Saraswathi College of Arts and Science, Theni on 21st January 2011.
7. Presented a paper on “Effect of antibiotics on wild strain of *Aeromonas hydrophila* isolated from a gold fish (*Carassius auratus*)” in National seminar on Live jewels breeding and management techniques (LJBMT- 2012) organized by Department of Zoology, Vivekanda College, Agastheeswaram on 12th October 2012.
8. Presented a paper on “Isolation and identification of pigment producing microorganisms and their antimicrobial activity against bacterial pathogens” in National Seminar on Trends in Bioprospecting-2012 organized by Department of Biotechnology, Microbiology and Biochemistry, SVN College, Madurai on 27/12/2012.
9. Presented a paper on “Evaluation of lethal effect of exotoxin produced by *Pseudomonas fluorescense* against the larvae of *Culex* mosquito” in a State level seminar on Micro Summit (SACMA 2013) organized by department of Microbiology, Sivanthi Adithanar College, Pillayarapuram on 14th march 2013.

Seminars participated

1. Seminar on Environmental Health Hazards, conducted at Holy Cross College, Nagercoil on 1st August 1998.
2. One day seminar on Recent trends in Microbiology, organized by Department of Microbiology & International centre for Bio-resources management (ICBM), Malankara Catholic College, Mariagiri, Kaliakkavilai – 629153 on 9th July 2004.
3. National seminar on Biodiversity conservation and management organized by the department of Biotechnology & International centre for Bio-resources management (ICBM), Malankara Catholic College, Mariagiri, Kaliakkavilai – 629153 from 22nd - 23rd July 2005.
4. One day Intercollegiate meet “Biomics-2008” organized by the department of Microbiology and Biotechnology, V.T.M. College of Arts and Science, Arumanai on 1st February, 2008.
5. One day seminar on recent trends in biotechnology organized by Department of Biotechnology and centre for Marine Science and Technology, Manonmaniam Sundaranar University, Trinaveli on 25th February, 2010.

Workshops Attended

1. One-Day Workshop on Patent Awareness sponsored and organized by TNSCST, Govt. of Tamil Nadu & TIFAC, Govt. of India in association with Scott Christian college (Autonomous), Nagercoil – 629003, April 11, 2008.
2. Twenty-one days workshop on “Biotechnological advances in fish disease diagnosis and health management” organized by the department of aquaculture, fisheries college and research institute, thoothukudi from 18th November- 8th December 2009.

Research Projects guided

1. Chitinase from *Aspergillus* species and *Bacillus circulans* MTCC 2301- The levels of production and its antifungal effects.
2. Optimization analysis of free and immobilized bacteriocin elaborated by *Lactobacillus plantarum* MTCC B1746 and *Lactococcus lactis* MTCC B440.
3. Glucose isomerase: Production and characterization by *Streptomyces kanamyticus* MTCC 324 and *Bacillus coagulans* MTCC 302.
4. Physiological effects of *Agrobacterium tumefaciens* MTCC 431 and various antibiotics in *Lycopersicon esculentum* (tomato) cultivated *in vitro*.
5. Antibiotic production by wild type isolates of Actinomycetes: Impact of pH and antimicrobial activity against *Bacillus subtilis*.
6. Production of xanthan from isolated and mutated *Xanthomonas campestris* strains cultivated under various optimization conditions.
7. Production of antifungal agent from *Bacillus subtilis* using wheat bran.
8. Production of Xanthan with immobilized cells of *Xanthomonas* species in various matrices by entrapment technique.
9. Optimization studies on Lipase producing bacteria.
10. Optimization and mutation studies on xanthan production of *Xanthomonas* species.
11. Mutation induced biosynthesis of Lipases by *Bacillus* and *Carnobacterium* species.
12. Antibacterial activity of *Carica papaya* against *Proteus mirabilis*.
13. Halocin production by *Halobacterium* species and its antimicrobial activity against human pathogen.
14. Solid state fermentation on xanthan production by *Xanthomonas campestris*.
15. Effect of *Carica papaya* latex on human bacterial pathogen.
16. Isolation of *Pseudomonas fluorescens* and characterizing its mosquitocidal properties on mosquito larvae and pupae.
17. Screening for Antibacterial Activity of *Wrightia tinctoria* against various human pathogens.
18. Antibacterial activity of two medicinal plants *Indigofera aspalathides* and *Dodonaea viscosa* against human pathogens.
19. Production of biopigment from soil borne microbes and its antimicrobial activity against bacterial pathogens.
20. Isolation of mosquitocidal protein from *Pseudomonas fluorescens*

- and its mosquitocidal property on *Culex* larvae and pupae.
21. Studies on pigment producing microbes and their application on textile, paper and as a therapeutic agent.
 22. Production of Amylase from soil born microbes using different agro-waste by Solid state Fermentation.

Research Advisor (M.Phil)

1. Appointed as Research Advisor for M.Phil. Candidates of the Centre for Distance Education, Bharathidasan University, Khajamalai Campus, Trichirappalli – 620023.
2. Recognized as a supervisor for M.Phil candidates through Periyar Institute of Distance Education (PRIDE), Periyar University, Salem – 11 (guide approval number: MMB 2363/2007).

Research during the period of study

1. Immunization of Gold Fish with Bacterins of *Aeromonas hydrophila*.
2. Isolation and strain improvement of *Xanthomonas campestris*: Selection of strains with enhanced xanthan production.

Talk shows Participated

1. Discussion on “Karuvil Paal Nirnayam” in All India Radio/Doordarshan in Talks/short story Branch, broadcast by AIR, Nagercoil on 13th February 1999.
2. Participated in a discussion on “Ellorum Innaattu mannar” in All India Radio/Doordarshan in Talks/short story Branch, broadcast by AIR, Nagercoil on 25th August 1999.

Current status

Undergoing Ph.D in Microbiology entitled “Studies on Characterization and optimization of xanthan production on submerged and solid-state fermentation under the guidance of Dr.T. Selva Mohan, Asst. Professor, Department of Zoology, Rani Anna Government College for Women, Tirunelveli at Manonmanium Sundaranar University, Tirunelveli.

Current and Expected Salary

Current CTC : INR 4 lakhs/year + perks

Expected salary : Negotiable

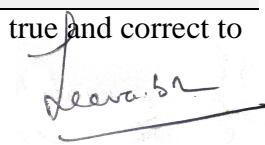
Notice Period : one month

Declaration

I hereby declare that the information's given above is true and correct to the best of my knowledge and belief.

Place : Muhilanvilai.

Date : 23/11/2013



(JEEVA. S)