

RESUME



DANIAL THOMAS.P, M.Sc., M. Phil., Ph. D.,
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Summary:

Major: Microbiology

Qualification: M.Sc, M.Phil, Ph. D

Experience: 10 years plus including 2 years overseas

Publications: 11

Highlights

- ❖ **Senior grade**
- ❖ **Handling both UG and PG students**
- ❖ **Teaching all areas of Life Sciences**
- ❖ **Ten years of teaching experience as Assistant Professor in college and university**
- ❖ **Two years in Dilla University College of Health Sciences and Referral Hospital, Ethiopia as Assistant Professor**
- ❖ **All courses done in government institutions**
- ❖ **Guided a number of under graduate, post graduate and research students through their projects for successful completion**
- ❖ **Guest lecturer in Nursing and Biomedical Engineering colleges**
- ❖ **Question setter, curriculum setter and valuer for various universities**

Career objective

To strive for a successful and ambitious career with an opportunity to work abreast With latest trends in the emerging field.

Key strength

Excellent interpersonal, analytical, conceptual, team building, communication and presentation skills, clarity of thought, persistent hard work, sincerity and sound technical knowledge.

Area of specialization

- Expert in Medical Microbiology – bacteriology, parasitology, virology, etc.
- Optimizaton in enzyme synthesis – as the research work
- Mycology
- Processing of toxic industrial effluents & reclamation of environment

Educational Qualifications

Degree	Subject	Institution	Full / Part time	Percentage	Year of Passing
Ph.D	Microbiology	Bharathidasan University, Trichy	Full	exempted	2009-2013
M.Phil	Microbiology	Annamalai University, Chidamparam	Distance	72.50	2006-08
M.Sc.	Microbiology	Sri Paramakalyani College, Alwarkurichi	Full	68.93	1988-90
B.Sc.	Botany	Kamaraj College, Tuticorin	Full	83.64	1985-88
H.Sc	Science	S.M.S.S.Hr.Sec.School, Shencottai	Full	56.83	1983-85
SSLC	-	S.M.S.S.Hr.Sec.School, Shencottai	Full	50.40	1982-83

Work Experience

Sl.No.	Designation	Department	Institution	From	To
1	Associate Professor	Microbiology	Mary Matha College of Arts & Science	July 21 onwards	-
2	Assistant Professor	Microbiology and Medical Lab. Sci.	Dilla University School of Biomedical Sciences and Referral Hospital, Ethiopia	01-10-2015	31-07-2017
3	Assistant Professor	Microbiology	J.J. College of Arts & Science, Tamil Nadu, India	09-06-2008	09-10-2015

Summary of Publications

- Total no. of paper published in national and international journals– 11
- Abstracts – 9

Projects guided

- 40 students were guided through their projects in their research works

Subject, Labs Handled

Sl.No.	Institution	Subjects	Labs
1	Mary Matha College of Arts & Science, Theni	Microbial Genetics and Molecular Biology, Medical Microbiology, Microbial Physiology, General Microbiology, etc.	Fundamentals of Microbiology, Molecular Biology, Clinical lab, etc.
2	Dilla University School of Biomedical Sciences and Referral Hospital, Ethiopia	Medical Parasitology, Medical Microbiology, etc.	Parasitology, Microbiology
3	J.J. College of Arts & Science, Tamil Nadu, India	Fundamental microbiology, Microbial metabolism, Microbial Genetics, Food & Industrial Microbiology, Environmental Microbiology, Genetic Engineering, Virology, Etc.	General Microbiology, Microbial Physiology, Microbial Genetics, Fermentation Technology, Etc.

M.Sc Project Work

- Qualitative Analysis of Potable water on the basis of microbial load.

M.Phil Project Work

- Entitled as Biosorption capacity of *Bacillus subtilis* of Hexavalent Chromium – Sri Paramakalyani College, Alwarkurichi.

Ph.D Research Work

- Entitled as Exploring mycological diversity and its biotechnological potential in Southern Western Ghats-Sri Pushpam Memorial College, Poondi, Tamil Nadu, S. India.

Technical Proficiency

- Microbiological Technique - Pure Culture Techniques, Identification of fungal species especially.
- Bioprocess Technique – Fermentation and optimization.

Instruments Handled

- Ultra Centrifuge - Beckman Coulter (Optima LE-80K Centrifuge)
- HPLC - Shimadzu (CBM-20A/20Alite)
- FPLC - Amersham Bioscience (AKTA design)
- Fermentor - Bioengineering (KLF2000)
- Super Speed Centrifuge - Thermo Scientific (Evolution RC)

Conferences Attended

1. Attended Two day National Conference on Biocare 2008 held at J.J.College of Arts and Science, Pudukkottai on 7 & 8th August 2008.
2. Attended Two day National Conference on Recent Advances and Challenges in Clinical Microbiology and Biomedical Engineering held at J.J.College of Arts and Science, Pudukkottai on 23 & 24th September 2010.
3. Attended a one day National Conference on Perspectives on Bio-Diversity Conservation held at H.H.The Rajah's College (Auto), Pudukkottai on 10th December 2011.
4. Presented a research paper in the National Conference on Present Vistas of Bioresources Conservation and Health Care Products in Herbal Technology at J.J. College of Arts and Science, Pudukkottai on 30 & 31st January, 2013.
5. Participated and presented a research paper in the National Conference on Biotechnological Approaches in Medicine, Agricultural and Environment – Current Scenario and Future Prospectus at J.J. College of Arts and Science, Pudukkottai on 6 & 7th March, 2014.

International Seminars:

6. Attended and oral presented in a one day International Conference on Microbiology for Better Tomorrow on 30th Aug. 2011.
7. Presented a speech on “Threats posed to humanity by emerging infectious diseases” on 30th August 2018.

National Seminars:

8. Attended two day National Seminar on Emerging Trends and Challenges in Aquatic Biotechnology held at P.G. Research Dept. of Zoology, Khadir Mohideen College, Adirampattinam on 12 & 13-2-2011.

Faculty Development Program:

9. Attended two day Faculty Orientation Program held at J.J.College of Arts and Science, Pudukkottai on 8 & 9th June 2008.
10. Participated in the State Level Workshop on Advanced Techniques in Molecular Biology at J.J.College of Arts and Science, Pudukkottai on 11 to 13th March, 2015.

Additional information:

1. Question paper setter in Periyar University, Salem Tamil Nadu, S. India
2. MS University, Nellai, Tamil Nadu, S. India
3. Exam valuer for Bharathidasan University, Trichy, Tamil Nadu, S. India

Publications

Year – 2010

1. Biosorption capacity of *Bacillus subtilis* of Hexavalent Chromium, *Indian Journal of Applied Microbiology*, (2010) 12 (1): 16-19.
2. Fungal Biodiversity in Southern Western Ghats, *Research Journal Of Biological Sciences*, October – December (2010), pp. 37- 45.
3. Mycelial Culture and Spawn Production of two Oyster Mushrooms, *Pleurotus florida* and *Pleurotus eous* on Different Substrates, *International Journal of Biological Technology* (2010)1 (3): 39-42.

Year – 2011

4. Optimization of Cellulase produced by *Hormodendrum cladosporioides* using three leaf litters, *Journal of Microbiology and Biotechnology Research* 2011, 1 (3):135-146.
5. Exploring Mycological Diversity in Southern Western Ghats, *Research Journal of Science and Technology*, (2011), 3: 329-334.
6. Viscometric assay of cellulase enzyme produced by fifty different fungi, *Indian Journal of Applied Microbiology*, (2011),14:71-77.

Year – 2013

7. Exploring pectinolytic activity of *Hormodendrumcladosporioides*, a less studied fungus. *Advances in Applied Science Research*, 2013, 4(6):1-5.

Year – 2014

8. Isolation and molecular characterization of bacterial strains from tannery effluent and reduction of chromium. *Intl. J. of Current Microbiology and Applied Sciences*, IFSN-2319-7706, Vol.3, 4 (2014), 530-538.

9. Chitinase from *Hormodendrumcladosporioides*, a less studied fungus *J. Microbiol. Biotech. Res.*, 2014, 4 (6):25-29.

Year 2017

10. Green synthesis of silver nanoparticles using the seed of *Tribulus terrestris* and demonstrating its antibacterial activity, *J. of Biospectralcal*, Vol. 2(1), March 2017, pp. 28-32.

11. Actinomycetes synthesized nanoparticles and their antibacterial activity, *Research J. Science and Tech.* 2017; 9(2): 219-223.

Abstracts

1. Silver nanoparticles synthesized by *A. niger* and *E. coli* and their antimicrobial activities – p 72, Abstract & Souvenir, National Conference on Recent Advances and Challenges in Clinical Microbiology and Biomedical Engineering, Depts. of Gene Technology & Microbiology, J.J. College of Arts and Science, Pudukkottai, Dt. 23 & 24 September 2010.
2. Production of cellulose enzyme by *Hormodentrum cladosporioides* and *Aspergillus niger* on sweet palm sprout powder – p 18, Souvenir, International Conference on Microbiology for Better Tomorrow, Dept. of Microbiology, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur, Dt. 30 August 2011.
3. Cellulase from *Aspergillus terreus* using sweet palm sprout powder as carbon source – p 30, Abstract & Souvenir, Present Vistas of Bioresources Conservation and Health Care Products in Herbal Technology, Depts. of Gene Technology, Biochemistry & Botany, J.J. College of Arts & Science (Autonomous), Pudukkottai, Dt. 30 & 31 January, 2013.
4. Production and optimization of pectinase using agroindustrial residues with *Hormodendrum cladosporioides* in submerged fermentation – p 157, National conference on Advances in Modern Biology and Environment, Eco-Club – Dept. of Zoology, H.H.The Rajah's Govt. College (Autonomous), Pudukkottai, Dt. 7 & 8 February, 2013.
5. Natural colorants from fungi – p 159, National conference on Advances in Modern Biology and Environment, Eco-Club – Dept. of Zoology, H.H.The Rajah's Govt. College (Autonomous), Pudukkottai, Dt. 7 & 8 February, 2013.

6. Production and optimization of cellulose production by *Aspergillus* sp. – p 52, Proceedings of the two day national conference on Emerging Novel Avenues and Opportunities in Modern Biological Sciences, Dept. of Microbiology, M.R.Government Arts College, Mannargudi, Dt. 1 & 2 March, 2013.
7. Cytogenetics and molecular studies of chronic myeloid leukemia patients – p 48, Abstracts & Souvenir, National Conference on Biotechnological Approaches in medicine, Agriculture and Environment – Current Scenario and Future Prospects, Depts. of Biotechnology, Microbiology, Botany & Biochemistry, J.J. College of Arts & Science (Autonomous), Pudukkottai, Dt. 30 & 31 January, 2013.
8. Antagonistic fungal activity against phytopathogenic fungi – p 49, Abstracts & Souvenir, National Conference on Biotechnological Approaches in medicine, Agriculture and Environment – Current Scenario and Future Prospects, Depts. of Biotechnology, Microbiology, Botany & Biochemistry, J.J. College of Arts & Science (Autonomous), Pudukkottai, Dt. 30 & 31 January, 2013.
9. Screening, production, optimization and application of a thermostable laccase in textile dye decolorisation from *Ganoderma lucidum* – p 50, Abstracts & Souvenir, National Conference on Biotechnological Approaches in medicine, Agriculture and Environment – Current Scenario and Future Prospects, Depts. of Biotechnology, Microbiology, Botany & Biochemistry, J.J. College of Arts & Science (Autonomous), Pudukkottai, Dt. 30 & 31 January, 2013.

Personal Details

Father's Name	: T. Packiyathan (late)
Date of birth & Age	: 20.05.1968 & 53
Marital status	: Married
Nationality	: Indian
Religion	: Christian
Mother Tongue	: Tamil
Languages known	: English, Hindi & Malayalam
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References:

Dr. R.SENTHILKUMAR,
District Microbiologist
Govt. District Head Quarter
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Ariyalur - 621713
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S.INDIA.

Relationship: My Former Head
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Dr.M.MUTHUSWAMY,
Principal,
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Relationship: My Senior
Known since 1998

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Dr. V. AMBIKAPATHY,
Assistant Professor (Botany and
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Relationship: My Ph.D guide

Known since: 2009

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Declaration

I hereby declare that all the information furnished above is true and not exaggerated to the best of my knowledge.

Date:

Place: Shencottai -627809

(Danial Thomas.P)