

Dr. T. Thirunalasundari, Ph.D.,

Professor and Head
Dept. of Industrial Biotechnology
Bharathidasan University,
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Professional Experience:

- **Professor and Head**, Dept. of Industrial Biotechnology, Bharathidasan University, Tiruchirappalli. (2012- till date)
- **Professor**, Dept. of Biotechnology, Bharathidasan University, Tiruchirappalli. (2008-2012)
- **Reader**, National Facility For Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli (2006-2008)
- **Prof. & Head**, Dept. of Biotechnology, Mother Teresa Women's University, Kodaikanal (2004-2006)
- **Reader**, National Facility For Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli (2003-2004)
- **Senior Lecturer**, National Facility For Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli (1998-2003)
- **Lecturer**, National Facility For Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli (1994-1998)
- **Development Scientist**, Dept. of Microbiology, Dr. ALM PGIBMS, University of Madras, Chennai. (1993-1994)
- **Lecturer**, Dept. of Microbiology, Madurai Kamaraj University, Madurai. (1991-1992)
- **Research Associate**, Dept. of Immunology, Madurai Kamaraj University, Madurai (1989-1991)

- **Research Assistant**, ICAR scheme on “Biogas Technology” at Sri Paraskathi College for Women, Courtallam. (1980-1981)

Awards and Honours

- **Bramaiah Sastri Memorial Award**, Indian Association of Biomedical Scientist. (2009)
- **Yellappa Gauda Subba Rao Memorial Award**, Indian Association of Biomedical Scientist (2004)
- **Best paper award**, XXIV Annual conference of IABMS INMAS, New Delhi (2003)
- **FABMS**, Indian Association of Biomedical Scientist (2000)
- Certificate of Appreciation For the development of valuable new technologies in the area of Marine Cyanobacteria (2001)
- **Mrs. Thangam Vasudevan Memorial Award for Young Scientist**, Indian Association of Biomedical Scientist (1986)

Grants and Fellowships:

- **Senior Research Fellow (SRF)** - University of Madras, Chennai. Funded by ICMR, Govt. of India (1986-1987)
- **Senior Research Fellow (SRF)** - University of Madras, Chennai. Funded by ICMR, Govt. of India (1985)
- **JRF**, University of Madras, Chennai. Funded by Tamil Nadu State Govt. Fellowship (1984)

Memberships in Societies & Professional Bodies

- Life member, Indian Association of Biomedical Scientist, Chennai
- Life member, Indian Association of Medical Microbiologist
- Life member, Indian Association of Applied Microbiologist, Chennai
- Life member, National Council for Science & Technology communication, New Delhi
- Life member, Association of Indian Medical Journal Editors

Research Projects

Scheme & Funding Agency	Grant Period	Amount in Laksh (Rs)	Status
Major Research Project-DRDE	2009-2011	09.74/-	Completed
Major Research Project-UGC	2009-2012	10.63	Completed
Major Research Project-DST	2005-2010	48.00	Completed
Major Research Project-UGC	2005-2008	2.25	Completed
Major Research Project-DOD	2002-2007	84.12	Completed
Major Research Project-DOD	2000-2002	10.12	Completed

Academic responsibilities:

- **Co-Ordinator**, School of Engineering and Technology, Bharathidasan University, Tiruchirappalli (July 2015– Till date)
- Board of Studies Member, Department of Microbiology, Dr.N.G.P. Arts and Science College (Autonomous), Bharathiar University (2015-2016)
- Member, Inspection team, Affiliated Colleges of Bharathidasan University (2015-till date)
- Board of Studies Member, Department of Biotechnology, Jamal Mohamed College (Autonomous), Trichy (2015-2017)
- Academic Council, Nehru Memorial College, Puthanampatti (2015-2017)
- University Representative for the College Committee, Sengamala Thayar Educational Trust Women’s College, Mannargudi (2015-2018)
- Board of Studies Member, Department of Biotechnology, J.J. College of Arts and Science (Autonomous), Trichy (2014-2016)
- Member, CAS promotion – Screening cum Evaluation Committee (2014)
- Purchase committee, Biotechnology, Constituent and Model Colleges of Bharathidasan University (2014)

- Subject expert for (Biotechnology), UGC SAP review committee (UGC Chairman's nominee) (2014)
- **Expert Committee member (Biotechnology)** UGC MRP Screening Committee (UGC Chairman's nominee) (2014)
- **Academic Council Member**, St. Joseph College, Trichy (Bharathidasan University nominee) (2014 – 2016)
- **Academic Council Member**, National College (Autonomous), Trichy (Bharathidasan University nominee) (2014 – 2016)
- **Subject expert for site visit**, Sri Pabmavathi Mahila Visvavidyalayam, Tirupati, (DBT, BCIL nominee) (2014)
- **Subject expert for site visit**, Anna University, Chennai, (DBT, BCIL nominee) (2014)
- **Subject expert for site visit**, Pondicherry University, (DBT, BCIL nominee) (2014)
- **Subject expert for site visit**, Annamalai University, Chidambaram, (DBT, BCIL nominee) (2014)
- **CAS promotion Screening committee member (Subject expert – Life Science)** Tamil University, Tanjavur,(Tamil University VC's Nominee) (2013-2014)
- **Planning Board Member**, Mother Teresa Women's University, Kodaikanal, (Governor's Nominee) (2009-2012)
- **Chair**, School of Biotechnology, Bharathidasan University, Tiruchirappalli (V.C's Nominee) (2013-till date)
- **UGC SAP Coordinator**, School of Biotechnology, BARD, Trichy (V.C.s Nominee) (2013 – Till date)
- **Coordinator**, School of Biotechnology, Bharathidasan University, Tiruchirappalli (2008-2013)
- **HOD**, Dept. of Biotechnology, Bharathidasan University, Tiruchirappalli (2011-2012)
- **HOD**, Dept. of Industrial Biotechnology, Bharathidasan University, Tiruchirappalli (2012-till date)
- **Senate Member**, Bharathidasan University, Tiruchirappalli (V.C's Nominee) (2011-till date)
- **Advisory Committee Member**, Mahatma Gandhi Doerenkamp Centre for alternatives to use of animals in life science education (2009-till date)
- **The expert panel Member**, Hindustan Uni Lever, Kodaikanal, (Supreme Court Monitoring Committee) (2005-till date)

- **Academic Council Member**, Raja Saraboji Govt. College for Men (Autonomous), Thanjavur (2012-2014)
- **Academic Council Member**, Kunthavai Nachiar Govt.College for Women (Autonomous), Thanjavur (2009-2011)
- **Academic Council Member**, Holly Cross College (Autonomous), Trichy, Thanjavur (2009-2011)
- **Dep. Warden**, Ladies Hostel, Bharathidasan University, Tiruchirappalli(2009-2011)
- **CAS promotion Screening committee member (Subject expert – Biotechnology)**, Manonmanium Sundaranar Universty, Thirunelveli (MSU VC’s Nominee) (2012)
- **Chairman**, BOS, Industrial Biotechnology, Bharathidasan University (VC’s Nominee) (2012-till date)
- **Editor-in-Chief**, Indian Association of Biomedical Scientist (2012-till date)
- **Vice-President**, Indian Association of Biomedical Scientist (2008-2012)
- **Joint Secretary**, Indian Association of Biomedical Scientist (2003-2007)
- **EC Member**, Indian Association of Biomedical Scientist (1998-2002)
- **EC Member**, Indian Association of Biomedical Scientist (2009-2011)
- **Executive Council Member (Syndicate)**, Mother Teresa Women’s University, Kodaikanal, (VC’s Nominee) (2004-2006)
- **Academic Council Member**, Mother Teresa Women’s University, Kodaikanal, (VC’s Nominee) (2004-2006)
- **HOD**, Dept. of Biotechnology, Mother Teresa Women’s University, Kodaikanal (2004-2006)
- **Governing Council**, Arulmigu Palaniandavar Arts College for Women, Palani (autonomous) Member (2004-2006)
- **SLET – Coordination / implementation committee Member**, Mother Teresa Women’s University, Kodaikanal, (VC’s Nominee) (2004-2006)
- Credit Transfer between MTWU, Kodaikanal & University of Madras, Chennai (VC’s Nominee) (2004-2006)
- **Nodal Officer**, Entrepreneurship Development Cell, Mother Teresa Women’s University, Kodaikanal (2004-2006)
- **IQAC Member**, Mother Teresa Women’s University, Kodaikanal, (VC’s Nominee) (2004-2006)
- **Research Committee Member**, Mother Teresa Women’s University, Kodaikanal, (VC’s Nominee) (2004-2006)

- **University Purchase Committee Member**, Mother Teresa Women's University, Kodaikanal, (VC's Nominee) (2004-2006)
- **Institutional Animal Ethical Committee Chairman**, Mother Teresa Women's University, Kodaikanal, (VC's Nominee) (2004-2006)

PUBLICATIONS:

About 100 paper published in Peer reviewed Journal

1. Gopalakrishnan Balakrishnan, Thangamuthu Rajendran, Krishnan Senthil Murugan, Mudedla Sathish Kumar, Veluchamy Kamaraj Sivasubramanian, Muniyandi Ganesan, Ayyavu Mahesh, **T.Thirunalasundari**, Seenivasan Rajagopal. G. "Interaction of rhenium(I) complex carrying long alkyl chain with Calf Thymus DNA: cytotoxic and cell imaging studies". *Inorganica Chimica Acta*. 2015; 434: 51-59. (IF 2.046)
2. R. Padmapriya, Jenny Anne Tharian and **T.Thirunalasundari** "Treatment of coffee effluent by Moringa oilseed" *International Journal of Current Microbiology and Applied Science* 2015; 4(1): 288-295. (ISSN 2319 – 7706). (IF 1.594)
3. K. Ramya and **T.Thirunalasundari**. "Pharmaceutically relevant metabolites from lichens of Kodaikanal, India" *International Journal of Current Microbiology and Applied Science*. 2014; 2013; 3(11): 779-788. (ISSN:2319-7706). (IF 1.594).
4. Dharshini, **T.Thirunalasundari** and Sumayaa. S. "Cytotoxic and Immunomodulation effect of roasted flaxseed and soybean extract". *World Journal of Pharmaceutical Research*. 2014; 3(6): 506 – 516. (IF 5.045).
5. R. Padmapriya, P.Meen and **T.Thirunalasundari** "Phyllanthus emblica – A remedy for distilleries effluent treatment" *International Journal of Current Research*. 2014; 6(09): 8664-8668. (IF 3.845)
6. R. Padmapriya, C. Thamaraiselvi, M. Nivethini and **T.Thirunalasundari** "Moringa oleifera – A potential source for hard water treatment" *International Journal of Plant, Animal and Environmental Sciences* 2014; 4(3): 529 – 536. (ISSN 2231 – 4490). (IF 1.0280)
7. Jenny Anne Tharian, Padmapriya, R and **T.Thirunalasundari** "Multidrug resistant of chloramphenicol acetyl transferase producing microbes". *Scholars World International Refereed Multidisciplinary Journal of Contemporary Research* 2014; 2(3): 101 - 106 (IF 3.522).
8. R.Padmapriya, C. Thamaraiselvi, M. Nivethini and **T.Thirunalasundari** "Biobased Treatment of Ground Water" *Online International Interdisciplinary Research Journal*. 2014; 4(4):62 – 72. (IF 2.217).
9. N. Brinda Alex Hema, V.K.Lakshmi Narayanan and **T.Thirunalasundari** "A novel disinfectant from fruit peel" *International Journal of Universal Pharmacy and Biosciences*. 2014; 33(3): 242 – 251. (IF 1.89).

10. Jenny Anne Tharian, Padmapriya, R and **T.Thirunalasundari** “A novel bacterial source for chloramphenicol acetyl transferase production”. *International Journal of Biotechnology Photon* 2014; 112 302-310 (ISJN: 3352-7304) (IF 4.322).
11. Dharshini, Sumayaa. S, **T.Thirunalasundari** “Phytonutrient composition and antioxidant activity of processed flaxseed”. *Indo American Journal of Pharmaceutical Research* 2013; 3(2): 2239 – 2245. (IF 1.25).
12. Avinash D Gandhi, Antony V. Samrot, **T.Thirunalasundari**, Rajan, S. “Adipose derived multipotent stem cells - A source for regenerative medicine”. *Journal of Pharmacy Research*. 2012; 5(9): 4743- 4747. (ISSN: 0974-6943). (IF 2.36).
13. Jagadeesan Lakshmi Praba, Sankaralingam Arunachalam, Devadas Avinash Gandhi, **T.Thirunalasundari**. “Synthesis, nucleic acid binding and cytotoxicity of polyethyleneimine-copper(II) complexes containing 1,10-phenanthroline and l-valine” *Eur J Med Chem*. 2011; 46: 3013 – 3021. (IF 4.071)
14. Antony V Samrot and **T.Thirunalasundari**. “Therapeutic effect of *Oscillatoria willei* – A marine cyanobacterium in mice exposed to cigarette smoke. *Journal of Pharmacy Research*. 2010; 3(9): (IF - 2.667)
15. **T.Thirunalasundari**, S.P. Thiyagarajan and A. Ramesh. “Relative risk of Hepatitis B Virus carrier status in renal disorders: A population study”. *Med. Sci. Res*. 1989; 17: 849 – 851. (IF 2.297)
16. S.P. Thiyagarajan, **T.Thirunalasundari**, S. Subramaniam, M. Panchanadam, B.R. Nammalwar, V. Praba, Muthu Jayaraman and R. Vijayakumar. “Serum and tissue positivity for Hepatitis B Virus (HBV) Markers in Histopathologically proven Glomerulonephropathies (GN)” *J. Med. Microbiol, London*. 1989; 29: 243 – 249. (IF 2.30)
17. S.P. Thiyagarajan, **T.Thirunalasundari**, S. Subramaniam, P.S. Venkateswaran and Baruch S. Blumberg. “Effect of *Phyllanthus amarus* on chronic carriers of Hepatitis B Virus”. *The Lancet*. Oct.1, 1988; 764 – 766 (IF 39.315)

Conference and workshop organized

- **Organizing Secretary**, One day seminar on Biotechnology based entrepreneurship awareness, Bharathidasan University, Tiruchirappalli, Tamil Nadu (22.01.2015).
- **Organizing Secretary**, “Writing science” One day seminar on Scientific / Technical writings, Bharathidasan University, Tiruchirappalli, Tamil Nadu (22.01.2014).
- **Organizing Secretary**, One day Lecture series on “Nanotechnology – An ongoing revolution”, Bharathidasan University, Tiruchirappalli, Tamil Nadu (20.07.2011).
- **Organizing Secretary**, TNSCST-DIT Training Program on “Mushroom cultivation for rural community development”, Bharathidasan University, Tiruchirappalli, Tamil Nadu (24.11.2010 To 26.11.2010).

- **Organizing Secretary**, Institution , Industry Interactive Session”, Bharathidasan University, Tiruchirappalli, Tamil Nadu (24.09.2010).
- **Organizing Secretary**, I Microplexus 2010 –“Hidden Treasures of Microbial World” and the, 8th Annual Conference of IAAM Bharathidasan University, Tiruchirappalli, Tamil Nadu (24.09.2010 To 25.09.2010).
- **Organizing Secretary**, Institution , Industry Interactive Session, Bharathidasan University, Tiruchirappalli, Tamil Nadu (20.09.2007).
- **Organizing Secretary**, Symposium on “Bioresources in the Development of Medicine”, Bharathidasan University, Tiruchirappalli, Tamil Nadu (20.09.2007 To 22.09.2007).
- **Co-ordinator**, Dr. Saradha Subramaniam memorial workshop on “In-vitro analysis of compounds for their bioactivity” Bharathidasan University, Tiruchirappalli, Tamil Nadu (20.09.2007).
- **Organizing Secretary**, Symposium on “Biotechnology and Women Empowerment”, MTWU Kodaikanal (27.08.2005 to 29.08.2005).
- **Organizing Secretary**, One day meet on “Promoting women leadership among Professionals”, University of Madras, Guindy Campus, Chennai (04.11.2004).
- **Organizing Secretary**, Symposium on Bioinformatics, MTWU Kodaikanal (27.08.2004 to 28.08.2004).

Lab members

Ph.D. Awarded Total – 11
M.Phil. Completed Total :11

Graduate Students:

Ms. Jenny Anne Tharian- Thesis Submitted
Mr. C. Muthusamy
Ms. K.M.Padmavathy
Ms. R. Padmapriya
Mr.K.Sivasakthi
Ms.M.Tharanya
Mr. A. Vinoth
Mr.R.Barathvaj