

CURRICULUM VITAE OF **Dr. J.JAYAPRIYA**

Name : **J.JAYAPRIYA**

Position : **Associate Professor**

Year of Experience : 14 years

Education : Ph.D (Chem.Engg), PSG College of Technology, India
M.Tech (Chem. Engg), CIT, Coimbatore, India
B.Tech (Chem. Engg), Shanmuga College of Engg, India

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Employment Record :

Period	Designation and Address	Nature of Job
Jan 2015- Present	Associate Professor, Department of Applied Science and Technology, A.C.Tech., Anna University, Chennai-600025	Teaching and Research
Jan 2010 – Jan 2015	Assistant Professor, Department of Chemical Engineering A.C.Tech., Anna University, Chennai-600 025	Teaching and Research
Jun 2008 – Jan 2010	Senior Lecturer, Department of Biotechnology, PSG College of Technology, Coimbatore-641004	Teaching and Research
Mar-2002- Mar- 2008	Lecturer, Department of Biotechnology, PSG College of Technology Coimbatore-641004	Teaching and Research

Area of Expertise:

- Microbial Fuel cells
- Bio-electrocatalysis
- Air Dispersion Modelling
- Bio-waste reutilization
- Microbial Corrosion

Membership of Professional bodies:

- **Life member:** The Indian Society of Technical Education, New Delhi (LM 38542)
- **Life Member:** Biotech Research Society of India, Trivandrum (LM 00229)
- **Associate Member:** Indian Institute of Chemical Engineers, Kolkata (AM 22165)

Awards/Honours:

- Received Tamil Nadu Young Scientist fellowship for the year 2006 from Tamil Nadu State council for Science and Technology.
- Received Indian National Academy of Engineering fellowship for the year 2009 from Indian National Academy of Engineering, New Delhi.
- Received International Travel grant fellowship for the year 2009 from Department of Science and Technology (DST), New Delhi.
- Presented a paper in 2nd International conference on Microbial fuel cell, GIST University, South Korea, June 10-12, 2009.

On-going Projects:

- Detection of microbial influenced corrosion by Electrochemical noise technique.
- Microbial fuel cells for azo-dye decolourization.
- Protease extraction from fish visceral waste.
- Modelling bio agents dispersion in air.

Theses guided:

- Ph.D : 0
- MS/MTech : 10

PUBLICATIONS

- *No of Book/Book Chapter written : 1*
- *No of papers published in National journal : 2*
- *No of papers published in International journal : 12*

BOOK CHAPTER:

Challenges to and Opportunities in Microbial Fuel Cells. J Jayapriya, V Ramamurthy
Bioenergy: Opportunities and Challenges, 87, 2015.

List of papers published in last four years [2012-2016]:

- 1. Jayapriya J,** Judy Gopal, Ramamurthy V, KamachiMudali U and Baldev Raj (2012): “Preparation and characterization of biocompatible carbon electrodes”, *Compos.PartB-Eng*, 43, 1329-1335.
- 2. Jayapriya, J.** and Ramamurthy, V (2012): “Use of non-native phenazines improve performance of *Pseudomonas aeruginosa* MTCC 2474 in fuel cells”, *Bioresource Technology*, 124:23-28.
- 3. Saranya, R., Jayapriya, J.** and Tamilselvi, A (2012): “Dyeing of silk fabric with natural phenazine pigments from *Pseudomonas species*”, *Coloration Technology*, 128: 1–1–6
- 4. Jayapriya, J.** and Ramamurthy, V (2012): “The Role of Electrode Material in Capturing Power Generated in Pseudomonas Catalysed Fuel Cells”, *The Canadian Journal of Chemical Engineering* 92 (4), 610-614.
- 5. Chandrasatheesh C, Jayapriya, J,** George, RP, Mudali,UK (2014): “Detection and analysis of microbiologically influenced corrosion of 316 L stainless steel with electrochemical noise technique”. *Engineering Failure Analysis*, 42, 133-142.
- 6. Sabtecha, B. Jayapriya, J.** Tamilselvi A (2014): Extraction and characterization of proteolytic enzymes from fish visceral waste: Potential applications as destainer and dehairing agent *International Journal of ChemTechResearch*, 6, 4504-4510.
- 7. Jayapriya, J.** and Dhamodharan, D (2015) ”Integrated Approach for Polycyclic Aromatic Hydrocarbon Solubilization from the Soil Matrix to Enhance Bioremediation”, *Bioremediation Journal*, 19 (4), 287-295.
- 8. Sangamithirai KM, Jayapriya, J,** Hema, J and Manoj, R (2015): “Evaluation of in-vessel co-composting of yard waste and development of kinetic models for co-composting”, *International Journal of Recycling of Organic Waste in Agriculture*, , 4, 157-165.
- 9. Venkatram Kiran, A.V, Jayapriya, J.** and Ravi, M. (2016): “Evaluation and Predictive Model Development of Oxidative Stability of Biodiesel on Storage”. 203:5, 676-682
- 10. Saranya R, Prasanna R, Jayapriya J,** Aravindhan R, Selvi A T (2016) “Value addition of fish waste in the leather industry for dehairing” *Journal of Cleaner Production* 118, 179-186.