

## CURRICULUM VITAE

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4. Educational Background : M.Sc. Ph.D.,
5. Experiences – Teaching & Research : Teaching – 9 years  
Research –16 years (including Ph.D)
6. Research Interest : Bioprocess and Genetic Engineering ; Clinical Biochemistry
7. Research Publications



### I. PUBLICATIONS

S.No.	Journal	Highest Impact factor*	Numbers published	Total impact factor
1.	PNAS, U.S.A.	9.737	1	<b>9.737</b>
2.	Journal of Hazardous Materials	4.679	2	<b>9.258</b>
3.	Carbohydrate Polymers	3.942	2	<b>7.884</b>
4.	Chemical Engineering Journal	3.691	1	<b>3.691</b>
5.	Journal of Cleaner production	3.587	1	<b>3.587</b>
6.	Desalination	3.041	1	<b>3.041</b>
7.	Enzyme and Microbial Technology	3.003	2	<b>6.006</b>
8.	Clinica Chimica Acta	2.850	1	<b>2.850</b>
9.	New Biotechnology	2.338	1	<b>2.338</b>
10.	Journal of the Taiwan Institute of Chemical Engineers	2.084	2	<b>4.168</b>
11.	CLEAN–Soil, Air, Water	2.046	1	<b>2.046</b>
12.	Journal of Bioscience and Bioengineering	1.992	1	<b>1.992</b>
13.	Applied biochemistry and biotechnology	1.893	1	<b>1.893</b>
14.	Medicinal Chemistry Research	1.612	1	<b>1.612</b>

15.	Environmental Technology	1.606	1	<b>1.606</b>
16.	World Journal of Microbiology & Biotechnology	1.262	3	<b>3.786</b>
17.	Journal of Basic Microbiology	1.198	3	<b>3.594</b>
18.	Indian J Exper Biol.	1.195	1	<b>1.195</b>
19.	Indian Journal of Biochemistry and Biophysics	1.026	1	<b>1.026</b>
20.	Iranian Journal of Pharmaceutical Research	0.674	1	<b>0.674</b>
21.	Acta Microbiol Immunol Hung.	0.646	1	<b>0.646</b>
22.	Journal of Scientific & Industrial research	0.505	1	<b>0.505</b>
23.	Preparative Biochemistry and Biotechnology	0.466	1	<b>0.466</b>
24.	Indian Journal of Biotechnology	0.477	3	<b>1.431</b>
25.	Journal of water chemistry and technology	0.139	2	<b>0.278</b>
Total Impact factor				<b>75.31</b>

\* Journal Citation Reports®, Thomson Reuters (2013)

26.	Gene sequences	submitted to Pubmed	3	3
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### H-Index

- Scopus : 8 (<http://www.scopus.com/authid/detail.url?authorId=23502425600>)
- Google Scholar : 10 (<http://scholar.google.co.in/citations?user=cJNUd1QAAAAJ&hl=en>)
- Web address : <https://sites.google.com/site/palbiopu/>

### Publications: In press/ accepted/published

Impact factor (© Thomson Reuters Journal Citation Reports 2013)

S.No	Title / Author	Impact factor	Year
1	Removal of phenols from acidic environment by horseradish peroxidase (HRP): Aqueous thermostabilization of HRP by polysaccharide additives Kalaiarasan E, <b>Palvannan T</b> Journal of the Taiwan Institute of Chemical Engineers (Available online 17 August 2013)	2.084	2013
2	Characterization of a recombinant bifunctional xylosidase/arabinofuranosidase from <i>Phanerochaete chrysosporium</i> Nguyen Duc Huy, <b>Palvannan Thayumanavan</b> , Tae-Ho Kwon, Seung-Moon Park Journal of Bioscience and Bioengineering 116(2),152–159	1.992	2013

3	Efficiency of <i>Pleurotus florida</i> Laccase on Decolorization and Detoxification of the Reactive Dye Remazol Brilliant Blue R (RBBR) under Optimized Conditions Sathishkumar P, Balan K, <b>Palvannan T</b> , Kamala-Kannan S, Oh BT, Rodríguez-Couto S CLEAN–Soil, Air, Water 41(7), 665–672	2.046	2013
4	Manganese Peroxidase H4 Isozyme Mediated Degradation and Detoxification of Triarylmethane Dye Malachite Green: Optimization of Decolorization by Response Surface Methodology Saravanakumar T, <b>Palvannan T</b> , Kim DH, Park SM Applied biochemistry and biotechnology, 1-16	1.893	2013
5	Detoxification of malachite green by <i>Pleurotus florida</i> laccase produced under solid-state fermentation using agricultural residues Sathishkumar P, <b>Palvannan T</b> , Murugesan K, Kamala-Kannan S Environmental technology 34 (2), 139-147	1.606	2013
6	Factorial design for optimization of laccase production from <i>Pleurotus ostreatus</i> IMI 395545 and laccase mediated synthetic dye decolorization Pratheebaa P, Periasamy R, <b>Palvannan T</b> Indian Journal of Biotechnology 12, 236-245	0.477	2013
7	Comparison of biopolymers for immobilization of laccase: Ecotoxicity assessment of azo dye Poonkuzhali K and <b>Palvannan T</b> Indian Journal of Biotechnology 12, 395-401	0.477	2013
8	Statistical Optimization Of Synthetic Azo Dye (Orange II) Degradation By Azoreductase From <i>Pseudomonas oleovorans</i> PAMD_1 Aranganathan V, Kanimozhi AM, <b>Palvannan T</b> Preparative Biochemistry and Biotechnology 43 (7), 649-667	0.466	2013
9	Assessing the chelating ability of <i>Aerva Lanata</i> : Adsorption of chromium from tannery effluent and its toxicity measurement Poonkuzhali K, Manivannan M, <b>Palvannan T</b> Journal of Water Chemistry and Technology 35 (3), 133-138	0.139	2013
10	Application of the laccase, produced on coconut flesh by <i>Pleurotus florida</i> For dye decolorization Balan K, Pratheebaa P, <b>Palvannan T</b> Journal of Water Chemistry and Technology 35(6), 2013	0.139	2013
11	Purification and Characterization of <i>Pleurotus florida</i> Laccase (L1) involved in the Remazol Brilliant Blue R (RBBR) Decoloration Sathishkumar P, <b>Palvannan T</b>	---	2013

12	Fluoride Toxicity in Humans: Effect on Serum and Plasma Enzyme Levels in Endemic Areas of Krishnagiri District of Tamilnadu, India <b>Palvannan T</b> , Pratheebaa P, Dhivyalakshmi S, Shankar S Journal of Life Medicine 1 (2), 33-37	--	2013
13	Laccase-poly (lactic-co-glycolic acid)(PLGA) nanofiber: Highly stable, reusable, and efficacious for the transformation of diclofenac Sathishkumar P, Chae JC, Unnithan AR, <b>Palvannan T</b> , Kim HY, Lee KJ, Cho M, ... Enzyme and Microbial Technology 51 (2), 113-118	3.003*	2012
14	Utilization of agro-industrial waste <i>Jatropha curcas</i> pods as an activated carbon for the adsorption of reactive dye Remazol Brilliant Blue R (RBBR) Sathishkumar P, Arulkumar M, <b>Palvannan T</b> Journal of Cleaner Production 22 (1), 67-75	3.587*	2012
15	Rapid removal of chromium from aqueous solution using novel prawn shell activated carbon Arulkumar M, Thirumalai K, Sathishkumar P, <b>Palvannan T</b> Chemical Engineering Journal 185, 178-186	3.691*	2012
16	Decolorization of malachite green by laccase: Optimization by response surface methodology Balan K, Sathishkumar P, <b>Palvannan T</b> Journal of the Taiwan Institute of Chemical Engineers 43(5), 776-782	2.084	2012
17	Exploring the binding interactions of quorum sensing signaling systems Lasr-3o-C12-Hsl And Cepr-C8-Hsl of <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> . Jayanthi S and <b>Palvannan Thayumanavan</b> Int J of Interdisci Res and Revs., 1(1), 14 - 19.	--	2012
18	Thermostabilization of laccase by polysaccharide additives: Enhancement using central composite design of RSM Poonkuzhali K, <b>Palvannan T</b> Carbohydrate Polymers 86 (2), 860-864	3.942*	2011
19	Beta-2 microglobulin as an immunological marker to assess the progression of human immunodeficiency virus infected patients on highly active antiretroviral therapy Chitra P, Bakthavatsalam B, <b>Palvannan T</b> Clinica Chimica Acta 412 (11), 1151-1154	2.850	2011

20	Aqueous state laccase thermostabilization using carbohydrate polymers: Effect on toxicity assessment of azo dye Poonkuzhali K, Sathishkumar P, Boopathy R, <b>Palvannan T</b> Carbohydrate Polymers 85 (2), 341-348	3.942*	2011
21	Optimization of Orange G dye adsorption by activated carbon of <i>Thespesia populnea</i> pods using response surface methodology Arulkumar M, Sathishkumar P, <b>Palvannan T</b> Journal of hazardous materials 186 (1), 827-834	4.679*	2011
22	Effect Of Different Agro-Wastes On Laccase Production by <i>Pleurotus Ostreatus</i> IMI 395544. Periasamy R., Rajadurai M and <b>Palvannan T</b> International Journal of Environmental Science and Ecotechnology. <b>1</b> (1) 21-26.	---	2011
23	In silico Analysis of Transcriptional Regulators of <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> responsible for Quorum Sensing. Jayanthi S, Sharmila B and <b>Palvannan T</b> International Journal of Biological Technology 2(3):33-37..ISSN: 0976 – 4313.	---	2011
24	Isolation, screening and identification of Bacterial Strain with Capability of Decolorizing Synthetic Azo Dyes. <b>Palvannan T</b> and Aranganathan V International Journal of Biotechnology and Bioengineering Research (IJBBR), Vol. 2(3), 411-418.	--	2011
25	Transport and signaling through the phosphate-binding site of the yeast Pho84 phosphate transceptor Popova Y, <b>Palvannan T</b> , Lonati E, Agrochão M, Thevelein JM Proceedings of the National Academy of Sciences(USA)107 (7), 2890-2895	9.737	2010
26	Exploring the binding affinities of p300 enzyme activators CTPB and CTB using docking method. Devipriya B, Parameswari AR, Rajalakshmi G, <b>Palvannan T</b> , Kumaradhas P Indian J Biochem Biophys. 47(6):364-9.	1.026*	2010
27	Inhibitory effect of <i>Gymnema montanum</i> leaves on $\alpha$ -glucosidase activity and $\alpha$ -amylase activity and their relationship with polyphenolic content Ramkumar KM, Thayumanavan B, <b>Palvannan T</b> , Rajaguru P Medicinal Chemistry Research 19 (8), 948-961	1.612*	2010
28	Evaluation of antioxidant properties of <i>Elaeocarpus ganitrus</i> Roxb. leaves Sathish Kumar T, Shanmugam S, <b>Palvannan T</b> , Bharathi Kumar VM Iranian Journal of Pharmaceutical Research, 211-215	0.674*	2010

29	Production of laccase from <i>Pleurotus florida</i> NCIM 1243 using Plackett–Burman design and response surface methodology <b>Palvannan T</b> , Sathishkumar P Journal of Basic Microbiology 50 (4), 325-335	1.198	2010
30	Production of laccase from <i>Pleurotus florida</i> using agro-wastes and efficient decolorization of Reactive blue 198 Sathishkumar P, Murugesan K, <b>Palvannan T</b> Journal of Basic Microbiology 50 (4), 360-367	1.198	2010
31	Optimization of laccase production by <i>Pleurotus ostreatus</i> IMI 395545 using the Taguchi DOE methodology Periasamy R, <b>Palvannan T</b> Journal of Basic Microbiology 50 (6), 548-556	1.198	2010
32	Removal of plant poisoning dyes by adsorption on Tomato Plant Root and green carbon from aqueous solution and its recovery Kannan C, Buvanewari N, <b>Palvannan T</b> Desalination 249 (3), 1132-1138	3.041	2009
33	Effect of pesticide exposure in erythrocyte membrane bound acetylcholinesterase Sathishkumar P, <b>Palvannan T</b> , Rajesh RV, Boopathy R New Biotechnology 25, S370-S371	2.338*	2009
34	Identification of $\alpha$ -amylase inhibitors from <i>Syzygium cumini</i> Linn seeds Karthic K, Kirthiram KS, Sadasivam S, Thayumanavan B, <b>Palvannan T</b> Indian J Exp Biol. 46 (9), 677-680	1.195*	2008
35	Environmentally stable adsorbent of tetrahedral silica and non-tetrahedral alumina for removal and recovery of malachite green dye from aqueous solution Kannan C, Sundaram T, <b>Palvannan T</b> Journal of hazardous materials 157 (1), 137-145	4.679*	2008
36	Novel mechanisms in nutrient activation of the yeast protein kinase A pathway Thevelein JM, Bonini BM, Castermans D, Haesendonckx S, Kriel J, Louwet W, <b>Palvannan T</b> .... Acta Microbiol Immunol Hung. 55 (2), 75-89	0.646*	2008
37	Effect of fungal enzyme ( <i>Pleurotus florida</i> ) on the decolorization of reactive dyes and textile effluents Shanmugam S, Sathish Kumar T, Rajasekaran P and <b>Palvannan T</b> Colourage 66-70, Colour publications Pvt.Ltd, India. Issn No. 0010-1826	--	2008

38	Evaluation of antioxidant properties of <i>Canthium parviflorum</i> Lam. leaves Sathish Kumar T, Shanmugam S, <b>Palvannan T</b> , Kumar VMB In: Natural Product Radiance 7, 2, 122—126	---	2008
39	Soil pollution by malachite green dye and dye recovery from effluent Kannan C, A Selvaraj, Sundaram TT, <b>Palvannan T</b> Environ. Sci. Indian J 2, 10-16	----	2007
40	Therapeutic effect of formulated dietary supplement RENAC on selected chronic renal failure subjects Poongodi TV, Nazni P and <b>Palvannan T</b> Asian Journal of Bioscience, Vol 2.1, 38-46, Hind Agri-Horticultural Society,	---	2007
41	Interaction of aminoglycoside antibiotics with surface Asp and Glu residues of phosphatidylinositol-specific phospholipase C <b>Palvannan T</b> , Boopathy R Enzyme and microbial technology 38 (7), 899-904	3.003*	2006
42	Biological decolourization of textile and paper effluents by <i>Pleurotus florida</i> and <i>Agaricus bisporus</i> (White-rot basidiomycetes) Shanmugam S, <b>Palvannan T</b> , Kumar TS, Michael A World Journal of Microbiology and Biotechnology 21 (6-7), 1149-1151	1.262*	2005
43	Phosphatidylinositol-specific phospholipase C production from <i>Bacillus thuringiensis</i> serovar. kurstaki using potato-based media <b>Palvannan T</b> , Boopathy R World Journal of Microbiology and Biotechnology 21 (6-7), 1153-1155	1.262*	2005
44	Optimization of phosphatidylinositol-specific phospholipase C production using response surface methodology <b>Palvannan T</b> , Boopathy R World Journal of Microbiology and Biotechnology 21 (8-9), 1393-1399	1.262*	2005
45	Extrathermostabilization Of Aspartyl Protease From <i>Rhizomucor pusillus</i> By Sugars: Stabilizing Role Of C-2 alpha Hydroxyl Group Of Sugars <b>Palvannan T</b> , Thangavelu AU, Jayapragasam M, Boopathy R Journal of scientific & industrial research 57 (10-11), 625-628	0.505*	1998

\*5 year Impact factor (© Thomson Reuters Journal Citation Reports 2013)

**Total impact factor** (© Thomson Reuters Journal Citation Reports 2013) = **75.31**

## Sequences submitted in gene bank - NCBI

1. *Pleurotus ostreatus* isolate RP7 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence 625 bp linear genomic - **GU967699.1**
2. *Pseudomonas oleovorans* strain PAMD\_1 16S ribosomal RNA gene, partial sequence 1,495 bp linear genomic - **GU357740.1**
3. *Staphylococcus hominis* strain MTCC 8980 16S ribosomal RNA gene, partial sequence 808 bp linear genomic - **FJ930927.1**

## Publication at Conference/Seminar/ Symposium (Abstracts)

International : 26

National : 21

## Publication at International Conference (Abstracts)

1. Ratha P and **Palvannan T**, An investigation on antimicrobial properties and characterization of cu(ii) schiff base complex Derived from methionine, **International Conference** on Biological Inorganic Chemistry-(ICBIC-2013) held on 20-22 Feb 2013, organized by Department of Chemistry, Periyar University, Salem.
2. Ratha P and **Palvannan T**, Methionine Based Schiff Base Mn(II) complex: Synthesis, Spectral Investigation and Biological Evaluation **International Conference** on Advanced Material, Processing and devices (AMPD-2013) held on 15-16 July 2013, organized by Department of Material Science, School of Chemistry, Madurai Kamarajar University, Madurai
3. Chitra P and **Palvannan T**. Role of paraoxonase to assess the oxidative stress in human immunodeficiency virus infected patient undergoing treatment. World conference on HIV & AIDS (WCHA-2012) 9, 10 & 11 November 2012, Kottayam, Kerala, India
4. **T. Palvannan** participated in the 15th International Biotechnology Symposium & Exhibition IBS 2012, 16 - 21 Sep 2012, Daegu, Korea.
5. Saravanakumar Thiagarajan, **Palvannan Thayumanavan** and Seung moon Park. Effective degradation and detoxification of triphenylmethane dye malachite green by manganese peroxidase isoenzyme H4 from *Phanerochaete chrysosporium*. KPSS 2012, Fall meeting, 19 Sep 2012, Daegu, Korea.
6. Pratheebaa Pachamutu and **Palvannan Thayumanavan**. Comparative study of *Chrysanthum parthenium* and *Tridax parviflora* in streptozotocin induced diabetic mice. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011



- held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
7. Sonia Raj K and **Palvannan T.** Antiyeast, antioxidant and anticancer activity of *Tribulus terrestris* Linn. and *Bougainvillea spectabilis* Linn. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011 held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
  8. Balan K and **Palvannan T.** Hepatoprotective activity of *Tridax parviflora* against CCl<sub>4</sub> induced hepatic damage in rats. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011 held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
  9. Poonkuzhali K and **Palvannan T.** *In vitro* antineuraminidase activity of plant preparation from *Holarrhena pubescence*. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011 held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
  10. Chitra P and Bakthavatsalam B and **Palvannan T.** Beta 2 microglobulin as an immunological marker to assess the progression of human immunodeficiency virus infected patients on highly active antiretroviral therapy. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011 held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
  11. Jayanthi S and **Palvannan T.** In silico analysis of quorum sensing dependent regulation of virulence factor of *Pseudomonas aeruginosa*. International Conference on Natural Products and Biomedical Technology ICNPBT 2011, January 10-12, 2011 held at Department of Biochemistry and Biotechnology and Faculty of Marine Sciences, Annamalai University.
  12. Maria Jency Seaphine Variath and **Palvannan Thayumanavan.** In Vitro Food-drug interaction study: Effect of food ingredients on Azithromycin activity. International Conference on food and nutraceuticals for nutrition and health: Technology and Delivery ICFAN-2011 Organized by Department of Food Science, Periyar University on 20-22 Jan, 2011.
  13. Thevelein JM, Bonini B, Castermans D, Haesendonckx S, Kriel J, Louwet W, **Palvannan T**, Peeters T, Popova Y, Schepers W, Van de Velde S, Vandormael P, Van Zeebroeck G, Verhaert P, Versele M and Voordeckers K. Nutrient Sensing and Signaling in Yeast. 25<sup>th</sup> Small Meeting on Yeast Transport and Energetics, August 31 to September 4, 2007, Arraial d'Ajuda - Bahia – Brazil.
  14. Popova Yu., Agrochao M.A., **Thayumanavan P** and Thevelein J.M. Role of Transmembrane Domain IV in the Phosphate Transporter Pho84: SCAM Analysis. 25<sup>th</sup> Small Meeting on Yeast Transport and Energetics, August 31 to September 4, 2007, Arraial d'Ajuda - Bahia – Brazil.
  15. Johan M. Thevelein, Beatriz Monge Bonini, Dries Castermans, Steven Haesendonckx, Johan Kriel, Wendy Louwet, **Palvannan Thayumanavan**, Yulia Popova, Marta Rubio-Teixeira, Wim Schepers, Patrick Vandormael, Griet Van Zeebroeck, Peter Verhaert, Matthias Versele and Karin Voordeckers. **Novel mechanisms in nutrient activation of the yeast Protein Kinase A pathway.** 4th Hungarian Mycological Conference, H-4010 Debrecen, Hungary, May 2008.

16. Yulia Popova, Elena Lonati, **Palvannan Thayumanavan** and Johan Thevelein. Functioning of Pho84 as a phosphate transceptor in yeast. 2007 meeting of the PAI 6-14, February 15, 2008, Brussels, Belgium.
17. Yulia Popova, Elena Lonati, **Palvannan Thayumanavan** and Johan Thevelein. Functioning of Pho84 as a phosphate transceptor in yeast: SCAM analysis of TMD IV.VIB, March 6, 2008, Blackenberg, Belgium.
18. Krishnaveni M, Sathish Kumar P and **Palvannan T**. Alkaline Protease from *Pseudomonas* Spp. Potential Applications in Detergent formulations. International Conference on Biotechnological Approaches in Bioresource Management (ICBBM-07), 23<sup>rd</sup>-26<sup>th</sup> Jan, 2007 at Department of Biotechnology, Bharathidasan University, Tiruchirappali, Tamilnadu, India.
19. Krishnaveni M, Sathish Kumar P and **Palvannan T**. Screening and medium optimization of lipase from oil enriched soil samples. International Conference on Biotechnological Approaches in Bioresource Management (ICBBM-07), 23<sup>rd</sup>-26<sup>th</sup> Jan, 2007 at Department of Biotechnology, Bharathidasan University, Tiruchirappali, Tamilnadu, India.
20. Prabaharan S, Krishnaveni M, Sathish Kumar P and **Palvannan T**. Optimization of amylase production from *Bacillus Subtilis* isolated from sago industries using Plackett-Burman design and response surface methodology. International Conference on Biotechnological Approaches in Bioresource Management (ICBBM-07), 23<sup>rd</sup>-26<sup>th</sup> Jan, 2007 at Department of Biotechnology, Bharathidasan University, Tiruchirappali, Tamilnadu, India.
21. Abirama Sundari PL, Manimozhi S, Gopi D and **Palvannan T**. The influence biologically influenced biocides on the microbiologically influenced corrosion of mild steel in neutral aqueous environment. Eighth International symposium on advances in Electrochemical Science and Technology (ISQEST-8) NIO, Goa, Nov 28-30, 2006.
22. **Palvannan T** and Boopathy R. A novel mode of Diphtheria toxin interaction: modulation of Acetylcholinesterase activity – ‘Indo-Australian Conference’ on ‘Biotechnology in Medicine’ held at IISC, Bangalore from Feb 9-11, 2004.
23. **Palvannan T** and Boopathy R. Cellular toxicity of chloroquinoline derivatives by modulating the glycoposphatidylinositol specific phospholipase C (GPI-PLC) activity – ‘Indo-Australian Conference’ on ‘Biotechnology in Medicine’ held at IISC, Bangalore from Feb 9-11, 2004.
24. **Palvannan T** and Boopathy R. Purification and characterization of glycoposphatodyl-inositol specific phospholipase C: interaction with aminoglycosides– ‘Indo-Australian Conference’ on ‘Biotechnology in Medicine’ held at IISC, Bangalore from Feb 9-11, 2004.
25. **Palvannan T** and Boopathy R. Production and partial purification of alkaline protease from *Aspergillus flavus* under Solid Substrate Fermentation: Stability in commercial laundry detergents – **International conference** on New Horizons in Biotechnology, RRL, Trivandrum, India – April 18-21, 2001.
26. **Palvannan T**, Thangavelu AU, Jayapragasam M and Boopathy R. Extrathermostabilisation of Aspartyl protease from *Rhizomucor pusillus*. - **International conference** on Frontiers in

Biotechnology organised by Regional Research Laboratory, CSIR, Trivandrum, Nov. 26 - 29, 1997.

## National

1. Ratha P and **Palvannan T**, Biological Evaluation of Schiff base ligand and its Ni(II) Complex derived from methionine and glyoxal, **National Conference** on Frontiers and Challenges in Biological Organometallic Compounds (FCBOM-2013), held on 20-21 June 2013 organized by Department of Chemistry, M. S. Ramaiah Institute of Technology, Bangalore
2. Ratha P and **Palvannan T**, Synthesis, structure elucidation and biological Evaluation of Mononuclear Schiff base Co(II) complexes derived from tetradentate Schiff base, **National Conference** on Advanced Materials for the Emerging Technologies(CAMET-2013), held on 11-12 July 2013 organized by PG and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore
3. Balan K, Pratheebaa P and **Palvannan T**. Removal of Triphenylmethane dye (Malachite green) by coagulation –flocculation using chitosan. National Seminar on Recent Trends in Microbial Technology with Reference to Extremophiles organized by Department of Microbiology, Periyar University, Salem-11 on 21-22, October 2010.
4. **Palvannan. T**. New Challenges in Biochemistry. Plenary Lecture given at National seminar on Challenges and opportunities in biological Sciences held at Muthayammal college of Arts and Science, Rasipuram on 12<sup>th</sup> and 13<sup>th</sup> Feb, 2010.
5. Chitra P, Sathishkumar P and **Palvannan T**. Alteration of biochemical parameters on occupational exposure of workers to HCN in sago industry. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.
6. Balan Kannan, Sathishkumar Palanivel and **Palvannan Thayumanavan**. Response Surface Methodological approach to optimize triphenylmethane dye(malachite green) decoloration by laccase from *Trametes pubescens*. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.
7. Pratheeba Pachamuthu, Sathishkumar Palanivel and **Palvannan Thayumanavan**. A statistical approach for optimizing culture conditions for maximal production of *Trametes pubescens* laccase using Response Surface Methodology. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.
8. Dhivyalakshmi Suthakaran, Sathishkumar Palanivel and **Palvannan Thayumanavan**. Alterations of LDH, Cholinesterase levels and creatine kinase in fluorosis patients in Salem and Dharmapuri Districts. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.
9. Poonkuzhali K, Arul Kumar M, Sathishkumar P and **Palvannan T**. Stabilization studies of *Pleurotus florida* laccases. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.

10. Sathishkumar P and **Palvannan T**. Decolorisation of RBBR using *Pleurotus florida* laccase. National Seminar on Frontiers in Biotechnology(NSFB), 22-24<sup>th</sup> July, 2009 at Department of Biotechnology, Bharathiar University, Coimbatore -46, Tamilnadu, India.
11. Naveed Ahamed. N and **Palvannan T**. Treatment of Leather tannery effluent containing toxic hexavalent chromium using activated carbon prepared from *Labeo rohita* scales. Proceedings of Student Projects Scheme, Seminar cum exhibition (2008-2009), Tamilnadu State council for science and Technology, Chennai.
12. Samalraj D, Sathishkumar P and **Palvannan T**. *In situ* Endosulfan degradation by effective microorganism. National symposium on frontiers in Biotechnology, held at Bharathiar University on 8<sup>th</sup> – 9<sup>th</sup> Feb, 2007.
13. Sathishkumar P, Vinoth kumar R, Muraliselvan C, Salemraj D and **Palvannan T**. Optimization of culture variables for improving alpha amylase production by alginate-entrapped *Bacillus subtilis* using statistical techniques. National symposium on frontiers in Biotechnology, held at Bharathiar University on 8<sup>th</sup> – 9<sup>th</sup> Feb, 2007.
14. Muraliselvan C, Vinoth kumar R, Sathishkumar P and **Palvannan T**. Application of a statistical technique for the production of ethanol from sago starch by *Zymomonas mobilis*. National symposium on frontiers in Biotechnology, held at Bharathiar University on 8<sup>th</sup> – 9<sup>th</sup> Feb, 2007.
15. Prasanna R, **Palvannan T**, Angayarkanni J and Kavitha V. Optimization of amylase production by *Aspergillus* species. National symposium on frontiers in Biotechnology, held at Bharathiar University on 8<sup>th</sup> – 9<sup>th</sup> Feb, 2007.
16. Prabaharan S and **Palvannan T**. Optimization of amylase production from *Bacillus subtilis* using Plackett-Burman design and Response Surface Methodology. National Seminar on Emerging Trends in Biochemistry Health & Disease held at Periyar University on 26<sup>th</sup> and 27<sup>th</sup> Feb, 2007.
17. Vijeikumar SP, Periasamy R and **Palvannan T**. Screening, isolation and optimization of alkaline protease producing bacteria from soil samples. National Seminar on Emerging Trends in Biochemistry Health & Disease held at Periyar University on 26<sup>th</sup> and 27<sup>th</sup> Feb, 2007.
18. **Palvannan T** & Boopathy R. Influence of culture conditions on the production of lipase from *Rhizomucor miehei*. – Diamond Jubilee Symposia and 39<sup>th</sup> Annual conference convened by the Department of Microbiology, University of Agricultural Sciences, College of Fisheries, Mangalore – 575 002, December 5-7, 1998.
19. **Palvannan T** & Boopathy R. Biochemistry of seed enzymes in its viability– 1999-National symposium on seed science and technology organised by Department of studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Manasagangotri, Mysore – 570 006.

20. **Palvannan T** & Boopathy R. Production of alkaline protease from *Aspergillus flavus* under SSF...”.– **Proceedings in Seventh Seminar cum Exhibition on Student Project Scheme**, Tamil Nadu State Council for Science and Technology, Chennai – 600 025.
21. **Palvannan T** & Boopathy R. pH induced activation / inactivation of Glycophosphatidylinositol specific phospholipase C from *Bacillus thuringiensis* by aminoglycosides: possible involvement of Trp residues - *Frontiers in Biochemistry & Biotechnology II*, CMC, Vellore, Jan. 7-8, 2002.

#### **Participation in National/ International Conference/Seminar/Symposium/Workshop**

1. 15th International Biotechnology Symposium & Exhibition IBS 2012, 16 - 21 **Sep 2012, Daegu, South Korea.**
2. Three day EBI Roadshow hosted by VIB Bioinformatics Training and Service facility. Organized in joint collaboration with the European Bioinformatics Institute (EBI) and VIB. **25<sup>th</sup> -27<sup>th</sup> Feb 2008 at Ghent University, Belgium.**
3. One day Training cum workshop on Bioprocessing & Downstream processing held on 10<sup>th</sup> March 2006 held at KCT College, Coimbatore, India.
4. Chaired a session in the one day workshop on quality assurance and marketing strategy of food products held on 22<sup>nd</sup> August 2006
5. State level workshop on Microbial Biotechnology, 7-8 Nov 2009 at Acme ProGen Biotech , Pvt Ltd, Salem
6. Resource person in the 20 day young student Scientist Programme organized by Periyar University, Salem and Tamilnadu State council for Science and Technology, Chennai from 3-05-2010 to 22-05-2010
7. Seminar on “Emerging Trends in Biotechnological Approaches for infectious Disease Management” held on 29<sup>th</sup> Nov, 2010, at the Department of Biotechnology, Periyar University, Salem-11
8. 9<sup>th</sup> National Conference of Indian Association of Applied Microbiologists (IAAM) on the topic “ Current Trends in Microbial Technology3 organized by the Department of Microbiology, Periyar University, Salem-11 held during 14-15<sup>th</sup> October 2011
9. National Symposium hosted by the Department of Biotechnology, Periyar University, Tamilnadu, India on 20<sup>th</sup> August 2013
10. Chaired a session in the UGC sponsored National Seminar on Current status and future prospects of plant therapeutics and phyto Medicine (PTPM 2012) held on 13<sup>th</sup> and 14<sup>th</sup> Feb 2012 at Dept of Biochemistry, Periyar University, Salem.

11. Evaluation of Oral and poster presentation and Chairperson in the National Seminar on “Recent trends in Biosciences” conducted by Dept of Microbiology, Biochemistry, Botany and Zoology at Vivekanandha College of Arts & Science for women, Tiruchengodu, Namakkal.

## Conference Organized

### 1. Convener

- TWO DAY NATIONAL SEMINAR ON “ENZYMES AND BIOCATALYSIS, THE VERSATILE ACTORS: CURRENT TRENDS AND FUTURE PERSPECTIVES (NSEB 2012)” was held on 5-6<sup>th</sup> Jan, 2012 at Periyar University conducted by Department of Biochemistry, Periyar University, Salem-11. Convener – Dr. T. Palvannan, Head i/c, Dept of Biochemistry, Periyar University, Salem-11.
- NATIONAL SEMINAR ON “CURRENT INNOVATIONS AND RECENT TRENDS IN CANCER BIOLOGY” was held on 24<sup>th</sup> Oct, 2011 at Periyar University conducted by Department of Biochemistry, Periyar University, Salem-11. Convener – Dr. T. Palvannan, Head i/c, Dept of Biochemistry, Periyar University, Salem-11.
- ONE DAY SEMINAR ON “BIODIVERSITY RESOURCES, MANAGEMENT AND CONSERVATION” was held on 31<sup>st</sup> Dec, 2010 at Periyar University conducted by Department of Biochemistry, Periyar University, Salem-11. Convener – Dr. T. Palvannan, Assistant Professor, Dept of Biochemistry, Periyar University, Salem-11.
- TWO DAY NATIONAL SEMINAR ON “EMERGING TRENDS IN BIOCHEMISTRY-HEALTH AND DISEASE- 2007(NSHD-2007)” - 26<sup>th</sup> & 27<sup>th</sup> Feb, 2007

### 2. Co-Convener

NATIONAL SYMPOSIUM ON “GLOBAL PERSPECTIVES IN BIOLOGICAL SCIENCES” – 2008 [(GPBS-08) 27 March 2008]

8. Student advised : M.Sc, M.Phil and Ph.D

### **M.Phil. Completed**

<b>S.NO</b>	<b>NAME</b>	<b>DEGREE</b>	<b>UNIVERSITY</b>	<b>YEAR</b>
1.	P. Pratheebaa	M.Phil	Periyar	SEP 2009
2.	K. Poonkuzhali	M.Phil	Periyar	SEP 2009
3.	K. Balan	M.Phil	Periyar	SEP 2009
4.	S. Dhivyalakshmi	M.Phil	Periyar	SEP 2009
5.	S. Hemalatha	M.Phil	Periyar	OCT 2010
6.	M. Sivasakthi	M.Phil	Periyar	OCT 2010
7.	K. Kavitha	M.Phil	Periyar	OCT 2010
8.	V. S. Maria Jency	M.Phil	Periyar	OCT 2010
9.	E. Kalaiarasan	M.Phil	Periyar	AUG 2011
10.	P. Ratha	M.Phil	Periyar	AUG 2011
11.	G. Jeevitha	M.Phil	Periyar	AUG 2011
12.	N. Predepaa	M.Phil	Periyar	AUG 2011
13.	T. Antony Immanuel	M.Phil	Periyar	SEP 2012
14.	M. Manivannan	M.Phil	Periyar	SEP 2012
15.	C. Nataraj	M.Phil	Periyar	SEP 2012
16.	R.Vijayan	M.Phil	Periyar	SEP 2012

**Ph.D awarded/submitted**

S.No.	Name of the Scholar	University	Year
1	P. Sathishkumar	Periyar	06.09.2010
2	R. Periasamy	Periyar	12.01.2012
3	A. Aranganathan	Periyar	02.05.2012
4	S. Jayanthi	Periyar	02.09.2013
5	S. P.Vijeikumar	Periyar	Synopsis submitted
6	P. Chitra	Periyar	Synopsis submitted
7	K. Balan	Periyar	Synopsis submitted
8.	P. Pratheebaa	Periyar	Synopsis submitted (26.09.2013)

**Ph.D FELLOWSHIP STUDENT LIST**

S.NO	NAME OF THE SCHOLAR	TITLE OF THE RESEARCH	FELLOWSHIP NAME	YEAR
1.	K. Poonkuzhali	Identification, Characterization And Structural Elucidation Of Neuraminidase Inhibitor From Indian Medicinal Plants	<b>DST- INSPIRE</b>	<b>2009-2014</b>
2.	P. Ratha	Hepatoprotective Effect Of Sulfur Allyl Cysteine Methionine On Carbon Tetrachloride Induced Liver Damage In Rats	<b>RGNF</b>	<b>2010-2015</b>
3.	M. Arulkumar	Fluoride :Effect On Biochemical Parameters, Interference In Signaling And Membrane Bound Enzymes, Oxidative Stress And Adsorptive Removal From Water	<b>ICMR</b>	<b>2013-2016</b>
4.	S. Penislusshiyam	Ph.D Topic : Screening Identification And Functional, Characterization Of Dipeptidyl Peptidase Inhibitors From Marine Organisms	<b>DST- INSPIRE</b>	<b>2013-2018</b>



9. Professional activities :
- **Life member** - Indian Society for Technical Education (ISTE)
  - **Life member** - The Society of Biological Chemists (SBC)
  - **Life member** - Indian Science Congress
  - **Life member** - National Academy of Biological Sciences (NABS) - (LM- 046-13)

**Chairman / Member Board of Studies (Past and Present)**

- Member of PG board of studies in Biochemistry at Karpagam University, Coimbatore.
- Member of PG board of studies in Biochemistry at PSG college of Arts and Science, Coimbatore.
- Member of PG board of studies in Biochemistry at Vivekanandha College for Women, Thiruchengode.
- Member of UG/PG board of studies in Biochemistry at Manomaniam Sundaranar University, Tirunelveli, Tamil Nadu.
- Chairman & Member of PG board (University Department) of studies in Biochemistry at Periyar University, Salem – 636 011.
- Chairman & Member of PG board of studies in Biochemistry at Periyar University, Salem – 636 011.
- Member of PG board (University Department) of studies in Biotechnology at Periyar University, Salem – 636 011.
- Member of UG board of studies in Biochemistry at Pondicherry University, Puducherry.
- Member of PG board of studies in Biotechnology at CMS College of Arts & Commerce (autonomous college) affiliated to Bharathiar University, Coimbatore, Tamil Nadu, India.
- Member of PG board of studies in Biochemistry at KSR College of Arts and Science, Thiruchengode.
- Member Syllabus drafting committee, Curriculum development cell, Bharathiar University, Coimbatore – 46

- **Member Periyar University Animal Ethical committee (PUAEC)**
- **Member Periyar University Institutional committee for Research involving human subjects**
- **Observer – Periyar University PRIDE examinations**

10. Conference organized : 4

11. Research Collaborators : **1. Prof. Dr. Johan Thevelein**  
Director  
Department of Molecular Cell Biology  
Catholic University, Leuven, Belgium.

**2. Prof. Dr. Seung-Moon Park**  
Professor  
Division of Biotechnology,  
College of Environmental and Bioresource  
Sciences, Chonbuk National University,  
Jeonju, 561-756. South Korea.

12. Research Lab facilities : Freeze drier  
Millipore Ultrafiltration unit for protein purification  
General Lab facilities

13. Research Project

### Major Project – Completed

S.No.	Title of the Project	Name of the Funding Agency	Duration
1.	Decolorization of synthetic and real textile/paper wastewater by the use of laccase from <i>Pleurotus florida</i> (white-rot fungi): production & decolorization optimization using Response Surface Methodology.	DBT	2007-2010

S.No.	Title of the Project	Name of the Funding Agency	Duration
1.	DBT OVERSEAS ASSOCIATESHIP (LONG TERM)	DBT	March 2007-March 2008

## Ongoing (2012-2015)

S.No.	Title of the Project	Name of the Funding Agency	Duration
1.	Novel MASP-2 inhibitor from Indian medicinal plants for protection against myocardial infarction	CSIR-HRDG	Nov 1, 2012-Oct 2015

14. **Awards and Honours** :
- **DBT OVERSEAS ASSOCIATE**, Department of Biotechnology, Ministry of Science and Technology, New Delhi. (2006).
  - **VISITING SCIENTIST** at Department of Molecular Cell Biology, Catholic University, Leuven, Belgium.(2007-08).
  - **RESEARCH PROFESSOR** at Department of Biotechnology, Chonbuk National University, South Korea. (2012-13).
  - **DBT-CREST** Award 2012, Department of Biotechnology, Ministry of Science and Technology, New Delhi. (2012).
  - **ASRB(ICAR)- NET** in Biochemistry (Plant Sciences) –(Dec 1998).

## 15. Any other :

### 1. **Editors - The Internet Journal of Physiology and Pathophysiology ...**

[www.ispub.com/journal/the-internet-journal.../editors.html](http://www.ispub.com/journal/the-internet-journal.../editors.html)

New England Primate Research Centre, Southborough, MA 01772, USA.

Dr. *Palvannan Thayumanavan* Ph.D.

Assistant Professor, Department of Biochemistry,

Periyar University, Salem-636011, Tamilnadu, India.

### 2. **Editorial Board Member**

<http://jett.dormaj.com/editorial.php>

Journal of Environmental Treatment Techniques (JETT)

ISSN: 2309-1185

Dorma Trading, Est. Publishing Manager, Diera. P.O.Box: 8433

Dubai - United Arab Emirates

### Administrative Positions held/holding

S.No	Position held	Name of the University/ institution	Duration		Years of experience
1.	Head i/c Department of Biochemistry	Periyar University	15-06- 2005	27-03- 2007	1Y 9M 12D
2.	Head i/c Department of Biochemistry	Periyar University	24-12- 2008	4-5- 2012	3Y 5M 11D
3.	Director i/c  Periyar University PG Extension center, Dharmapuri – 636705	Periyar University	18-09- 2013	Till date	

### Chairman/member Question paper setting board

PG Biochemistry	University of Madras
PG Biotechnology	University of Madras
PG Biotechnology	Karpagam Arts and Science college, Coimbatore
PG Life Sciences	Bharathidasan University
BTech Biotechnology	GCT, Anna University
PG Biochemistry and Biotechnology	Annamalai University

### Question paper setter

- M.Sc Biochemistry University practical examination, Periyar University,
- B. Tech Biotechnology, Kumaraguru college of technology, Autonomous college, Anna University, Coimbatore.
- B. Tech Biotechnology, Government college of technology, Autonomous college, Anna University, Coimbatore.
- M.Sc Biochemistry, University of Madras, Chennai
- M.Sc Biotechnology, University of Madras, Chennai
- M.Sc Life Science, Bharathidasan University, Tiruchirapalli.
- M.Tech Biotechnology, Vinayaga Mission University, Salem.
- M.Sc. Biochemistry, Bharathiar University, Coimbatore.
- M.Sc. Biotechnology, Bharathiar University, Coimbatore.

### Reviewer for the reputed International journals like

1	Journal of Basic Microbiology
2	International Journal of Hydrogen Energy
3	Journal of Hazardous Materials
4	CLEAN - Soil, Air, Water
5	Applied Biochemistry and Biotechnology.
6	Clinica Chimica Acta
7	Chemical Engineering Journal
8	African Journal of Microbiology Research
9	Natural Product Research
10	International Research Journal of Plant Science(IRJPS)
11	Journal of Medicine and Medical Sciences
12	African Journal Of Agricultural Research

13	Industrial & Engineering Chemistry Research
14	Environmental Chemistry Ecotoxicology
15	Journal of Medicine and Medical Sciences
16	Journal of Chemistry
17	Journal of Environmental Chemistry and Ecotoxicology
18	Journal of Chemical Engineering and Materials Science
19	International Research Journal of Microbiology
20	African Journal of Environmental Science and Technology
21	African Journal of Biotechnology (AJB)
22	Journal of Agricultural Biotechnology and Sustainable Development
23	International Research Journal Of Biotechnology
24	International Journal of Plant Physiology and Biochemistry
25	Journal of Agricultural Extension & Rural Development
26	Environmental Technology
27	Clinical Chemistry Research
28	International Journal of Fisheries and Aquaculture
29	International Journal of Biodiversity And Conservation
30	Journal of Environmental Management
31	International Research Journal of Microbiology
32	Journal of Soil Science and Environmental Management
33	Journal of microbiology and antimicrobials
34	Preparative biochemistry and Biotechnology
35	Journal of Life Medicine

## Books/Manuals published

### 1. Laboratory Manual on Biochemistry, Bioprocess & Microbiology

**Publisher:** SCITECH PUBLICATIONS, Chennai, TamilNadu, India.

( ISBN: 8188429805; ISBN-139788188429806)

**Author:** Palvannan T *et al.*

## External PhD Public viva-voce examiner

S.No.	Candidate	Supervisor	University	Date
1	Mr. T. Anand	Dr. K. Gokulakrishnan HOD, Dept of chemistry PRIST University - East Campus, Thanjavur	PRIST University, Thanjavur	21-06- 2013
2	Ms. V. Parameswari	Dr. P. Chinnaswamy, Department of Biochemistry Dr. NGP Arts and Science College, Coimbatore- 48	Bharathiar	29-03-2012
3	Ms. A. Anitha	Dr. M. Rabeeth, Department of Biotechnology Kongunadu Arts & Science College, Coimbatore	Bharathiar	21-01-2012
4	Mr. V. Sureshkumar Dept of Biochemistry R&D Centre, Bharthiar University, Coimbatore	Dr. S. Mohandas Principal, Kaamadhenu Arts & Science College, Kamadhenu Nagar, Sathyamangalam - 638503	Bharathiar	Jan 2012
5	Mrs. R. Usha	Dr. M. Palaniswamy Director and Head Department of Microbiology Karpagam University, Coimbatore	Karpagam University, Coimbatore	23-09-2011
6	Mr. Chandrakumar	Dr. P. Chinnaswamy, Department of Biochemistry Dr. NGP Arts and Science College, Coimbatore- 48	Bharathiar	30.07.2009

## Popular Lectures Delivered

	Topic	Place	Seminar/Conference /symposium	Date
1.	Stem cells-The Elixir of Life	Department of Biochemistry, Rajah Serfoji College (Autonomous), Thanjavur – 5	State level seminar on modern trends in biological sciences-towards human health and disease	17-02-2012
2.	Thermostabilization of Azoreductase	Department of Microbiology, Karpagam University, Coimbatore	10 <sup>th</sup> National Conference on “ Harn-essing the power of microbes for better food,agro-industry, health and environment”	19-20 <sup>th</sup> Sep 2011
3.	Known but unknown things of human science	Bharathidasan College of Arts & Science, Ellispettai, Pallalpalayam, Erode		25-01-2011
4.	Lead Lecture -Stem Cells and its applications	PG & Research Department of Biochemistry, Maruthupandiayar College, Thanjavur		05-03-2010
5.	Plenary Lecture	Muthayammal College of Arts & Science, Rasipuram – 408	National Seminar on “Challenges and opportunities in Biological Sciences	12-13 Feb 2010
6.	Stem cells and its applications	Dept of Biochemistry, KSR College of Arts & Science, Tiruchengode		03-02-2010
7.	Chief guest	Dept of Biotechnology & Microbiology, Shri Sakthikailassh womens College, Ammapet, Salem	Seminar on Stem Cells	22.07.2009



8.	Stem cells	Dept of Biochemistry, Muthayammal College of Arts & Science, Rasipuram – 408		27-09-2008
9.	Lead Lecture V Lipases – state of art versatile biocatalyst	Dept of Biotechnology Kumaraguru college of Technology, Coimbatore -6	National Conference on Enzyme applications Feb 9-10, 2007	09-02-2007
10.	Stem cell Biomedical Engineering	Department of Biomedical Engineering  Rajiv Gandhi College of Engineering and Technology, Kirumampakkam, Pudhucherry-607402		13-02-2009

#### Post-Doctoral Service (PDF/FA)

Institution	Designation	Period		Total period of Service
Lab. Molecular Cell Biology, Department of Biology, Katholieke Universiteit Leuven and Department of Molecular Microbiology, VIB Kasteelpark Arenberg 31, bus 2438 B-3001 Leuven-Heverlee, Flanders, Belgium.	DBT Overseas Associate/Visiting Scientist	31 <sup>st</sup> March 2007	31 <sup>st</sup> March 2008	1 Year
Lab of Molecular Cell Biology Department of Biotechnology Chounbuk National University, Iksan campus, Republic of Korea.	Research Professor	May 4, 2012	March 1, 2013	10 M

**Details of Refresher Course/ Orientation Course attended**

<b>Name</b>	<b>Place</b>	<b>Period</b>	<b>Sponsor</b>	<b>Field of specialization</b>	<b>Expertise developed of learnt</b>	<b>Application of training</b>
Orientation course	Coimbatore	28 days	UGC	Teaching	Micro teaching	To improve the teaching methodology