

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Profile:

Dr.M.Perumalsamy is a faculty in the department of chemical engineering from 2006 onwards, He has obtained his doctoral degree from Anna University, Chennai. He was working as a Teaching Research Associate at A.C.Tech Anna University, Chennai during 2002-2006. He has visited University of Iowa, USA for two months as a visiting scientist. He has published more than 30 international papers in reputed journals. His field of Interest includes Separation of Proteins using aqueous two phase system, Computational Fluid Dynamics, Biofuels and Waste water Treatment

1. Name : Dr. M.Perumalsamy
2. Designation : Assistant Professor
3. Department : : Chemical Engineering
National Institute of Technology, Trichy
4. E-mail ID. : mpsamy@nitt.edu
5. Phone : 04312503112

6. Field(s) of Specialization :

Separation of Proteins using aqueous two phase system, Computational Fluid Dynamics, Biofuels,Waste water Treatment

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology Trichy	12.4.2006	Till date
Teaching Research Associates	Anna University	March 2002	Feb 2006

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	Chennai		
Programmer analyst	Engineering System Solutions USA	Dec 2000	July 2001

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	Anna University Chennai	2007		Studies in Aqueous Two-Phase System (Phase behavior, Thermodynamic modeling and Partitioning of BSA)
M.Tech	Anna University Chennai	2000	7.73CGPA	Chemical Engg
B.E	Annamalai University Chidambaram	1998	68.4%	Chemical Engg
HSC	Tamilnadu State Board	1994	82%	Maths, Physics, Chemistry, Biology
SSLC	Tamilnadu State Board		81%	Maths, Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Associate Dean (Academic)	NIT Trichy	October 2012	November 2015
Associate Dean (Student's Welfare)	NIT Trichy	October 2012	November 2015
Warden for GARNET A Hostel	NIT Trichy	July 2012	November 2015
NSS Coordinator	NIT Trichy	Oct 2010	April 2016
Department Coordinator for TEQIP-II	Dept of Chemical Engineering, NIT Trichy	2010	till date

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NSS Programme Officer	NIT Trichy	July 2006	Oct 2010
Formative Assessment Monitoring Committee	NIT Trichy	September 2014	till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member in Board of Studies	PRIST University, Thanjavur	2012	
Member of syllabus committee	Anna University, Chennai	2016	
Doctoral Committee member	Anna University, Chennai	2016	

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2010	Young scientist award	DST, New Delhi

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2002	Teaching Research Associate Fellowship	Anna University Chennai	March 2002	February 2006

13. Details of Academic Work

(i) Curriculum Development

1. Chemical Process simulation lab for M.Tech Student is developed at Chemical Engineering Department
2. Course plan for theory subject, momentum transfer is prepared
3. Course plan for theory subject, Computational Fluid dynamics is prepared

(ii) Courses taught at Postgraduate and Undergraduate levels

S.No	Name of the Subject	B.Tech/M.Tech/Semester
1	Biotechnology	B.Tech VII Semester
2.	Material Science and Technology	B.Tech, IV Semester
3.	Process Engineering and Economics	B.Tech VIII Semester

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4.	Computational Fluid Dynamics	M.Tech II Semester
5.	Organic Chemical Technology	B.Tech IV Semester
6.	Inorganic Chemical Technology	B.Tech III Semester
7.	Momentum Transfer	B.Tech III Semester
8.	Mechanical Operation laboratory	B.Tech IV Semester
9.	Chemical Reaction Engineering Lab	B.Tech V Semester
10.	Mass Transfer Laboratory	B.Tech VI Semester
11.	Process Control laboratory	B.Tech VII Semester
12.	Momentum Transfer Laboratory	B.Tech IV Semester
13.	Chemical Process modelling and Simulation Lab	M.Tech I Semester

4. Projects guided at Postgraduate level

Title of the M.S thesis Guided

S.No	Name of the Student	Title of the thesis	Year of completion
1	P. Sreekanth Chowdary (302109001)	Isolation of Cheese Whey Proteins using Aqueous Two Phase System	2011

Titles of PG Dissertations Guided

S.No	Name of the Student (Roll No)	M.Tech Specilization	Title of the Project	Year
1.	Srinivas kuchibhotla (202114013)	Chemical Engineering	Production of Biodiesel using Microalgae	2015-16
2.	Aniket Bhate (202114009)	Chemical Engineering	Optimization of Heat Exchanger using Aspen EDR	2015-16
3.	Ashish B. Tonge (202113003)	Chemical Engineering	Computational Fluid dynamics simulation of coal gasification	2014-15
4.	J. Sankar (202112020)	Chemical Engineering	Computational Fluid dynamics Modelling of hydrodynamics and	2013-14

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			Reaction kinetics in a fluidized bed reactor	
5.	Jayesh Krishnakumar (202112011)	Chemical Engineering	Modeling of coal Gasification using Computational Fluid dynamics	2013-14
6.	S. Keren Jenifer (202311011)	Energy	Potential microalgal degradation of Textile effluent containing azo dyes	2012-13
7.	Kishore Ravindran (202111023)	Chemical Engineering	Economic and energy analysis of extractive distillation using Aspen Engineering Suite	2012-13
8.	Gokul Balan (202111017)	Chemical Engineering	Extraction Of Proteins Using Magnetic Nanoparticles	2012-13
9.	Sreevidya (202110018)	Chemical Engineering	Characterization of Hydrodynamics of gas-liquid-solid Three phase fluidized bed using CFD	2011-12
10.	Divyashree (202310013)	Chemical Engineering	Microbial degradation of Azo dyes	2011-12
11.	Tirtha Prasad Sapkota (202109034)	Chemical Engineering	Modeling of devolatilization and particle size effects on the performance of entrained flow gasifier	2010-11
12.	K.Divya (202109015)	Chemical Engineering	Characterization of PEG -tri-ammonium citrate based aqueous two phase systems	2010-11
13.	P.Praveen kumar (202107010)	Chemical Engineering	Design, Simulation And Economics Of Toluene Recovery Unit In Px-Plant	2009-10
14.	Mohamed Iqbal Batcha I (202108001)	Chemical Engineering	Studies on partitioning behaviour of model protein in polymer-salt based aqueous biphasic system	2009-10
15.	Gopiraju Tadiboina (202108015)	Chemical Engineering	Simulation and optimization of extractive distillation with mono	2009-10

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			ethanol amine as a solvent	
16.	K.SenthilKumar (202207022)	PCI	Optimization of Extractive distillation of Cyclohexane-ethanol	2008-09
17.	P.Bharat kumar (202107003)	Plant Design	Separation of Proteins using Aqueous two phase system	2008-09
18.	T.K.Radhakrishnan (CLA-0609)	Plant Design	Experimental and Computational studies on three phase Fluidized bed	2007-08
19.	J.Saravanan (CLA-0603)	Plant Design	Hydrodynamics and CFD Simulation of Rotating Disc Contactor	2007-08
20.	N.A.Manikandan (CLA-0608)	Plant Design	Comparison of experimental and computational studies of continuous stirred tank reactor	2007-08
21.	Karthikaruppu (ENA0506)	Energy	Simulation of wind blade using CFD software	2006-07
22.	Ganesan (CLA0506)	Plant Design	CFD Simulation of Airlift Reactor	2006-07

14. Details of Major R&D Projects

Sl. No.	Name of the Project	Sponsoring Agency	Amount (Rs. in Lakhs)	Year of Completion
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Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Environmentally benign aqueous two phase system for effective separation of cheese whey proteins(α -lactalbumin and β -lacto globulin) from dairy effluents	DST, SERC, New Delhi	2010	2013	Completed
Analysis of Flow and Heat Transfer Characteristics of Single and Two Phase Flow through Plate Heat Exchanger	CSIR, New Delhi	2010	2013	Completed

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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
S.Senthilkumar	Studies on treatment of textile dye effluent using sequential and integrated Electrochemical process with Biological oxidation	Co-Supervisor	2012
R.Govindarajan	Environmentally Benign Aqueous Two-Phase System for Effective Separation of Cheese Whey Proteins	Supervisor	2014
B. Vanavil	Studies on Control and Optimization of Bioprocesses	Co-Supervisor	2014

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

SUMMER/WINTER SCHOOL ATTENDED:

Sl. No.	Title	Organization/Place	Duration
1.	Two day ISTE Workshop on Akash for Education	IIT, Bombay	10-11 th November 2012
2.	Summer Workshop on “Bioprocess Technology”	IIT, Madras, Chennai	12-21 July 2010 (10days)
3.	DST-SERC School on Optimization Techniques for Chemical Engineering Applications	IIT Bombay, Mumbai	July 6–11, 2009 (6days)
4.	MHRD-AICTE Sponsored Summer School on Process Identification and Control	NIT, Trichy	16-28 th June 2008 (13 days)
5.	SERC School on “Advanced measurement techniques in multiphase systems”	DST, UICT, Mumbai	25-27 April’2007 (3days)

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6.	Short term training program on “Recent Advances in Environment, safety and Energy Management”	QIP, NIT, Trichy	5-9, February 2007. (5days)
7.	Short term course on “Computational Fluid Dynamics”	C-DAC, Pune	11-15 Dec’ 2006 (5days)
8.	Short term course on “CFD of Convective Heat and Mass Transfer”	Centre for CFD, IIT, Madras, Chennai	September 18-22, 2006 (5days)
9.	Refresher course on “Applications of chemical engineering principles for Biotechnology”	UGC, A.C.Tech, Anna University, Chennai	14 th November -3 rd December’ 2005 (20 days)

WORKSHOPS ATTENDED:

Sl. No.	Title	Organization/Place	Duration
1.	Two week ISTE Workshop on Computational Fluid dynamics	IIT, Bombay	12-22 nd June 2012
2.	Work shop on Sustainable Technologies for future	NIT,Trichy	13th December 2008
3.	Awareness Programme on Intellectual Property Rights	NIT,Trichy	20 th November 2008
4.	Work shop on Advanced Chemical Process Design	NIT,Trichy	20 th October 2008
5.	Work shop on Rural Development Role of Renewable Energy Services	TEQIP	9 th June, 2008
6.	Workshop on Nanomaterials Characterization and their Process Applications	TEQIP	28 th February, 2008
7.	Workshop on Recent Trends in	TEQIP	27 th February 2008

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	Waste water Treatment		
8.	Workshop on Non-Linear Control Systems	TEQIP	21 st February, 2008
9.	Workshop on Computational Fluid Dynamics	TEQIP	17-18, September' 2007 (2days)
10.	Workshop on Finite Element Methods for Engineers	TEQIP	1-2 February, 2007

CONFERENCES ATTENDED:

Sl. No.	Title	Organization/Place	Duration
1.	2 nd International Chemical and Environmental Engineering Conference (ICEEC 2011)	Kuala Lumpur, Malaysia	21-23 December 2011
2.	International Conference on Recent Advances in Chemical Engineering and Technology (RACET 2011)	Cochin	10-12 March, 2011
3.	5 th International Conference on Trends in Industrial Measurements and Automation 2007 (TIMA 2007)	National Institute of Technology, Trichy	4 -6 th January 2007
4.	International Conference on Nanomaterial and its Applications	National Institute of Technology, Trichy	4 th -6 th February 2007
5.	59 th Annual session Chemical engineering congress CHEMCON 2006	Ankleshwar regional Centre, Gujarat	December, 27-30, 2006
6.	Conference on "Role of Technical Education in Sustainable Development	Anna University, Chennai -25	March 24-26, 2005

Date (s)	Title of Activity	Level of Event (International/ National/	Role (Participant/ Speaker/ Chairperson,	Event Organized by and Venue

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		Local)	Paper presenter, Any other)	
5-6 th October 2012	Two days faculty orientation programme on class room management and Communication	National	Participant	NIT Trichy
29 th Nov-10 th Dec 2011	Two day ISTE Workshop on Heat Transfer	National	Participant	IIT, Bombay
14-24 th June 2011	Two day ISTE Workshop on Thermodynamics in Mechanical Engineering	National	Participant	IIT, Bombay
4 th -9 th January 2010	AICTE-MHRD Sponsored staff development programme on Computer Control of Processes	National	Participant	NIT, Trichy
21 st Dec 2009-2 nd Jan 2010	AICTE-MHRD Sponsored staff development programme on Quantitative Research Techniques for engineers and Researchers	National	Participant	NIT, Trichy
13-17 th July 2009	AICTE-MHRD Sponsored staff development programme on Chemical Systems modeling and Simulation	National	Participant	NIT, Trichy

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August 21-27 2008 (7days)	Attended Pedagogy Training on “Instructional Design and delivery system”	National	Participant	NITTTR,Chennai
4 th July to 13 th July 2007 (10days)	Faculty Development Training Programme on ANSYS software package.	National	Participant	Active India pvt Ltd, Bangalore
June 20-29 th 2007 (10 days)	General Orientation and Training for NSS Programme officers	State level	Participant	NSS, Madras School of Social Work, Chennai

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Short term course on Piping Technology	National	27-29 March 2014	Coordinator	NIT Trichy
Short term course on “ASPEN plus software	National	19-20 September 2013	Coordinator	NIT Trichy
Conclave on “Strengthening chemical Engineering curriculum for the Present and Future scenario”	National	March 13 & 14, 2015	Coordinator	NIT Trichy

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Two days workshop on “Application of Chemical Engineering Principles in Biotechnology”	National	28-29 June 2013	Coordinator	NIT Trichy
One day Awareness programme on Drug abuse and addiction	National	18 th February 2013	Coordinator	NIT Trichy
One day Disaster Management programme	Local	2 nd October 2010	Coordinator	NIT Trichy
One day workshop on Bioseparation Techniques	National	14 th April 2007	Coordinator	NIT Trichy

18. Invited Talks delivered

Sl .No	Name of the topic	Programme	Date	Organization
1	Chemical engineering future perspectives	National Level Technical symposium	12.10.2016	SASTRA University, Thanjur
2	Two-Phase Systems For The Extraction Of Protein/Biomolecules	Faculty development Programme on “Chemical Systems Modeling and Simulation	13 - 17th July 2009	NIT, Tiruchirappalli
3	Bioseparation Techniques	Workshop on “Bioseparation Techniques”	14 April 2007	NIT, Tiruchirappalli
4	Demonstration on CFD fluent software	Workshop on Computational Fluid Dynamics	17-18 th September 2007	NIT, Tiruchirappalli
5	Handled CFD Lab session	Faculty development Programme on “Quantitative Research	21 Dec 2009 – 2 nd Jan 2010	NIT, Tiruchirappalli

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		Techniques for Engineers & Researchers”			
6	Aqueous two phase systems for the biomolecules separation	Workshop on Multiphase flow and Process Industries	24 th March 2007		NIT, Tiruchirappalli

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life member	Indian Institute of Chemical Engineers Association (IChE)	LM31988
Life member	Indian Society for Technical Education (ISTE)	LM53830

20. Academic Foreign Visits

Country	Duration of Visit	Programme
USA	December 2007 to January 2008	Visiting scientist to University of IOWA, USA
Malaysia	December 2010	Attending international conference
Dubai	November 2015	Attending international conference

21. Publications

(A) PAPERS PUBLISHED IN INTERNATIONAL JOURNALS :

Details
<p>1. K.S.Parthiban and M Perumalsamy Development of functionalized heterogeneous catalyst from <i>Ceiba pentandra</i> stalk for biodiesel production using <i>Sterculia foetida</i> seed oil Environmental Progress & Sustainable Energy,35, 308-314(7), 2016</p> <p>2. K.S.Parthiban and M Perumalsamy Nano sized heterogeneous acid catalyst from <i>Ceiba</i></p>

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- pentandra* stalks for production of biodiesel using extracted oil from *Ceiba pentandra* seeds **RSC Advances** ,5, 11180-11187, **2015**
3. S Senthilkumar, **M. Perumalsamy**, HJ Prabhu, N Thajudin Optimization of process parameters for efficient decolorization of Congo red by novel fungus *Curvularia* sp. using Box–Behnken design, **Desalination and Water Treatment**, 54, 1708-1716(9), **2015**
 4. Chellamboli, **M. Perumalsamy** Application of response surface methodology for optimization of growth and lipids in *Scenedesmus abundans* using batch culture system **RSC Advances** 4 (42), 22129-22140, **2014**
 5. **M. Perumalsamy**, T Murugesan Liquid–liquid equilibrium of aqueous two-phase system (PEG 2000-Sodium Citrate–Water) using potential difference as a key tool **Physics and Chemistry of Liquids** 52 (1), 26-36, **2014**
 6. B. Vanavil , A. V.N.L. Anusha , **M. Perumalsamy** & A. Seshagiri Enhanced IMC-PID controller design with lead-lag filter for unstable and integrating processes with time delay, **Chemical Engineering Communications**, 201(11), 1468-1496, **2014**
 7. R.Govindarajan, **M.Perumalsamy.**, Phase Equilibrium of PEG 2000 + Triammonium Citrate + Water System Relating PEG Molecular -- at (298.15, 308.15, and 318.15) K, **Journal of Chemical & Engineering Data**, 58, pp 2952-2958, **2013**
 8. Govindarajan, R., Divya, K., **M.Perumalsamy**, Phase behavior and density for binary and ternary solutions of PEG 4000 + triammonium citrate + water aqueous two phase systems at different temperatures **Journal of Chemical and Engineering Data** 58 (2) , pp. 315-321, **2013**
 9. B. Vanavil, **M.Perumalsamy**, and A. Seshagiri Rao Biosurfactant Production from Novel Air Isolate NITT6L: Screening, Characterization and Optimization of Media **J. Microbiol. Biotechnol.** 23(9), 1229–1243, **2013**
 10. S.Senthilkumar1_, M. Perumalsamy1, H.J. Prabhu “Response surface Optimization for Biodegradation of Textile Azo dyes using isolated bacterial strain *Pseudomonas* sp.” **The Arabian Journal for Science and Engineering** Arab 38:2279–2291, **2013**
 11. S.Senthilkumar, **M.Perumalsamy**, Ahmed Basha, C., Selvakumar, K.V., Swaminathan, G., Thajudeen, N., Prabhu, H.J. Biodecolorization of a persistent organic dye from model wastewater using *Curvularia* spp **Desalination and Water Treatment** 46 (1-3) , pp. 272-277, **2012**

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12. Senthilkumar, S., Basha, C.A., **M.Perumalsamy**., Prabhu, H.J Electrochemical oxidation and aerobic biodegradation with isolated bacterial strains for dye wastewater: Combined and integrated approach *Electrochimica Acta* 77 , pp. 171-178, **2012**
13. S.Senthilkumar, **M.Perumalsamy**, H.J.Prabhu C. AhmedBasha, N. Anantharaman “Response surface optimization for efficient dye removal by isolated strain Pseudomonas sp.” *Central European Journal of Engineering* 2(3),425-434, **2012**
14. S.Senthilkumar, **M.Perumalsamy**, H.J. Prabhu, C.AhmedBasha, G. Swaminathan “Box Behnken Design based Optimization of Solar Induced Photo Catalytic Decolourization of Textile Dye Effluent” *Central European Journal of Engineering* 1-10, **2012**
15. **M.Perumalsamy** and T.Murugesan “ Extraction of cheese whey proteins (α -Lactalbumin and β -Lactoglobulin) from dairy effluents using environmentally benign aqueous biphasic system” *International Journal of Chemical and Environmental Engineering*, Vol 3(1), pp 502-54, **2012**
16. **M.Perumalsamy** and Mohamed Iqbal Batcha “Synergistic extraction of bovine serum albumin using polyethylene glycol based aqueous biphasic system” *Process Biochemistry*, Vol.46 , pp 494–497, **2011**
17. S. Senthilkumar , **M.Perumalsamy**, H. Janardhana Prabhu Decolourization potential of white-rot fungus Phanerochaete chrysosporium on synthetic dye bath effluent containing Amido black 10B *Journal of Saudi Chemical Society*, **50**, **2011**
18. **M.Perumalsamy**, T.Murugesan “Extended NRTL model for PEG + salt based Aqueous two-phase system” *Asia-Pacific Journal of Chemical Engineering* 5 (2) , pp. 355-360, **2010**
19. **M.Perumalsamy** and B. Kumar “Influence of Phase compositions, pH and temperature on Bovine Serum Albumin partitioning in aqueous biphasic system" *Chemical Product and process modeling vol 5*, 1, 19, **2010**
20. **M.Perumalsamy**, T.Murugesan “Phase Compositions, Molar Mass, and Temperature Effect on Densities, Viscosities, and Liquid-Liquid Equilibrium of Polyethylene Glycol and Salt-Based Aqueous Two-Phase Systems” *Journal Of Chemical & Engineering Data*, 54 (4), pp 1359–1366, **2009**
21. **M.Perumalsamy**, T.Murugesan “Prediction of Liquid–Liquid Equilibria for Polyethylene glycol based Aqueous two-phase system by ASOG and UNIFAC method” *Brazilian*

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- Journal of Chemical Engineering* Vol 26, pp 171-180, **2009**
22. C. Shanawaskhan, P. Kalaichelvi, **M.Perumalsamy**, A. Arunagiri “Computational fluid dynamic analysis of two phase jet mixer” *Journal of the university of chemical technology and metallurgy*, vol 44, pp 262-266, **2009**
23. **M.Perumalsamy**, **T.K. Radhakrishnan** , K. Kalaichelvi “CFD Modeling of flow pattern and phase hold up of three phase fluidized bed contactor” *Chemical Product and process modeling vol 4*, 1, 36, **2009**
24. **M.Perumalsamy**, T.Murugesan “Partition Behavior of Bovine Serum Albumin in PEG2000-Sodium Citrate-Water Based Aqueous Two-Phase System” *Separation Science and Technology* Vol 42, pp 2049-2065, **2007**
25. **M.Perumalsamy**, A.Bathmalakshmi and T.Murugesan “Experiment and Correlation of Liquid-Liquid Equilibria of an Aqueous Salt Polymer System Containing PEG6000 + Sodium Citrate” *Journal Of Chemical & Engineering Data* Vol 52, pp 1186-1188, **2007**
26. P. Kalaichelvi, **M.Perumalsamy**, A. Arunagiri, K. Sofiya “Synergistic extraction of acetic acid from its aqueous solution”, *Journal of the University of Chemical Technology and Metallurgy*, Vol 42, pp 423-426, **2007**
27. **M.Perumalsamy**, T.Murugesan., “Prediction of liquid–liquid equilibria for PEG2000–sodium citrate based aqueous two-phase systems”, *Fluid phase equilibria* Vol 244, pp 52-61, **2006**
28. T.Murugesan., **M.Perumalsamy**, “Liquid-Liquid Equilibria of Polyethylene glycol 2000 + Sodium citrate +Water at (25°, 30°, 35°, 40° and 45) °C”, *Journal Of Chemical & Engineering Data* Vol 50, pp 1392-1395, **2005**.
29. T.Murugesan., **M.Perumalsamy**, “Densities and Viscosities of Polyethylene Glycol 2000 + Salt + Water Systems from (298.15-318.15) K ”, *Journal Of Chemical & Engineering Data* Vol 50, pp 1290-1293, **2005**.

(B) Conferences/Workshops/Symposia Proceedings

PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES :

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1. R.Govindarajan **M.Perumalsamy**, Extraction of value-added therapeutic proteins from cheese whey using environmentally benign biphasic system International conference on Emerging Trends in Biotechnology (ICETB **2014**), New Delhi
2. R.Govindarajan **M.Perumalsamy**, “Extraction of Cheese Whey Proteins using PEG/Citrate Based Environmentally Benign Aqueous Two-Phase System” 17th International Conference on Biopartitioning and Purification (BPP 2013) held at Newport, RI, USA during 6-10th October, **2013**
3. C. Chellamboli and **M. Perumalsamy**, “Optimization Of *Scenedesmus abundans* in batch culture system by using response surface methodology”, International conference on algal biorefinery: a potential source of food, feed, biochemicals, biofuels and biofertilizers (**ICAB 2013**), organized by IIT, Kharagpur
4. R.Govindarajan **M.Perumalsamy** Extraction of Cheese Whey Proteins using Environmentally Benign Aqueous Two-Phase System International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013) held at Pune during 25-27th November & **2013**
5. C.Chellamboli. and **M.Perumalsamy** “Optimization studies on marine and freshwater microalgae” presented at INDO-US International conference on Energy and Environment 2012 held at Jalandhar , Punjab during 27-30th December **2012**
6. **M.Perumalsamy** and T.Murugesan “ Extraction of Cheese whey proteins (α -Lactalbumin and β -Lactoglobulin) from dairy effluents using environmentally benign aqueous biphasic system’ Presented at 2nd International Chemical and Environmental Engineering Conference (**ICEEC 2011**) held at Kuala Lumpur, Malaysia during 21-23 December **2011**
7. **M.Perumalsamy** and T.Murugesan "Extraction of bovine serum albumin using environmentally benign aqueous two phase system" presented at International

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Conference on Recent Advances in Chemical Engineering and Technology (**RACET 2011**) held at Cochin during 10-12 March, **2011**

8. **M.Perumalsamy**, P.Sreekanth Chowdary “Isolation of cheese whey proteins using aqueous two phase system” International Conference on Frontiers in Biological Sciences: **InCoFIBS-2010**” presented at National Institute of Technology Rourkela
9. **M.Perumalsamy** and T.Murugesan Optimization of bovine serum albumin partition coefficient in aqueous two-phase system using surface response method accepted for oral presentation in **ICCBPE 2009**, Malaysia
10. **M.Perumalsamy**, T.K.Radhakrishnan and K.Kalaichelvi “ Prediction of flow pattern and phase holdup of three phase fluidized bed contactor using cfd technique” accepted for Oral presentation in World Congress on Engineering and Computer Science (**WCECS 2008**) San Francisco, USA
11. **M.Perumalsamy** and T.Murugesan “Environmentally benign Aqueous Two-Phase Systems for the separation and purification of proteins from bioresources” accepted for poster presentation in (**RSCE-SOMChE 2009**), Kuala Lumpur, **Malaysia**
12. K.Sentilkumar, P.Kalichelvi, **M.Perumalsamy**, A.Arunagiri and T.Raja “Computational Fluid Dynamic Anagnosis Of Mixing Characteristics Inside A Jet Mixer For Newtonian And Non Newtonian Fluids” accepted for Oral presentation in (**WCECS 2007**) San Francisco, USA.

PAPERS PUBLISHED IN NATIONAL CONFERENCES :

1. C. Chellamboli and **M. Perumalsamy**, “Optimizing the growth and lipid of chlorella pyrenoidosa using response surface methodology for biodiesel production, National Conference On progress in algology on the Indian context, 19-21 September, **2014**
2. R.Govindarajan **M.Perumalsamy**, Isolation of Cheese Whey Proteins using PEG/Salt based Aqueous Two-Phase System Chemical Engineering Congress, CHEMCON-2011, Bangalore during 27-29th December **2011**

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3. **M Perumalsamy** and Sreekanth Chowdary P “Biotechnological utilization of cheese whey and its derivatives” presented at National conference on Biotechnology and the Environment (**NCBE 2010**) at National Institute of Technology- Durgapur
4. Senthilkumar, S., **M.Perumalsamy** and H. J. Prabhu (2010) Decolourization of Synthetic Dyes Using White Rot Fungus, *Phanerochaete Chrysosporium*. **Chemcon 2010**, December, **2010**.
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9. **M.Perumalsamy** and T.Murugesan "Application of Aqueous two-phase systems for the recovery of biological products"**CHEMCON 2007**, Calcutta Regional Centre, Jadavpur University, Calcutta during December' 2007.
10. **M.Perumalsamy**, PR Ganesan and T.K.Radha Krishnan " CFD Simulation of Internal Airlift Reactors" **CHEMCON 2007**, Calcutta Regional Centre, Jadavpur University, Calcutta during December' 2007.
11. P.Kalaichelvi, **M.Perumalsamy**, A.Arunagiri, T.Raja, K.Senthilkumar, C.Shanawaskhan “Modeling and Simulation of Jet Mixers for Non-Newtonian Fluid

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Using Computational Fluid Dynamics” **CHEMCON 2007**, Calcutta Regional Centre, Jadavpur University, Calcutta during December' 2007.

12. **M.Perumalsamy** “Partition behaviour of BSA in PEG2000-sodium citrate based aqueous two-phase system” **CHEMCON 2006** held at Ankleshwar regional Centre, Gujarat during December, 27-30, 2006.