

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

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

Dr. A. Arunagiri, myself, is working as Assistant Professor in the Department of Chemical Engineering, NIT Tiruchirappalli from May 2006. My undergraduate Degree B. Tech (Chemical Engg.) CIT Coimbatore, Bharathiar University and PG Degree from REC Trichy, Bharathidasan University. I worked as Graduate Engineer Trainee at MALCO, Mettur around One Year. I joined as Teaching Research Associate at A. C. College of Tech., Anna university, Chennai in 2001 and completed my Ph D in “Cocurrent two phase upflow through packed bed” in 2006. Between 2001 to 2006, I was SRF sponsored by CSIR and Lecturer in A. C. College of Tech, Anna University.

I am teaching from 2002 to Undergraduate and Post Graduate Students of different programmes offered in Chemical Engineering Department of A.C. Tech., and NIT Trichy. I have taught Chemical Process Calculations, Heat and Mass Transfer, Chemical Process Design, Mechanical Operations, Transport Phenomena, Chemical and Bio Chemical Engineering Thermodynamics. My area of Interest is mainly Transfer operations. My research areas are Hydrodynamics in different contactors, Surfactant based separations, Bioethanol from vegetable waste and Membrane assisted Mass and Energy Exchangers. I have guided 18 B. Tech, 22 M. Tech and 1 Ph D projects. At present I am guiding three Ph D scholars and 2 M. Tech Scholars. A project worth of Rs. 1.85 lakhs has been funded by TNSCST for the research project on Cloud Point Extraction. I have published in 25 International Journals and 25 National and international conferences. I am also a reviewer of International Journals. I also acted as External Examiner for Ph D, M. Tech, M.S and M. Tech and B. Tech. thesis and lab examinations. I have organized workshops and delivered lectures in the area of Packed columns, waste water treatment and separation. I have conducted workshops Apart from this, I have given my contribution in different administrative activities in Department, Institute and hostel. I was the member of Doctoral committee, BoS, UG Admissions, convocation, purchase committee, staff advisor of different student activities etc. I have got the student feedback score around 8 to 9 out of 10 for the subjects taught by me.

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|-------------------------------------|--------------------------------------|
| 1. Name | Dr. A. Arunagiri |
| 2. Designation: | Assistant Professor |
| 3. Office Address: | Dept. of Chemical Engg., NIT, Trichy |
| 4. Telephone (Direct) (Optional): | |
| Telephone (Optional): 0431-2503114 | Extn : 3114 |
| Mobile (Optional): | |
| 5. Email (Primary): aagiri@nitt.edu | Email (Secondary) : |
| 6. Field(s) of Specialization: | Transfer Operations, Biofuel, |

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7. Employment Profile

Job Title	Employer	From	To
Graduate Engineer Trainee	The Madras Aluminium Company, Mettur	08/03/2000	15/01/2001
Teaching Research Associate	A. C. College of Tech., Anna University, Chennai - 25	21/01/2001	31/08/2004
S. R. F (by CSIR)	A. C. College of Tech., Anna University, Chennai - 25	01/09/2004	17/02/2005
Lecturer (on Contract)	A. C. College of Tech., Anna University, Chennai - 25	18/02/2005	02/05/2006
Assistant Professor	National Institute of Technology, Trichy - 15	03/05/2006	30/06/2009
Assistant Professor	National Institute of Technology, Trichy - 15	01/07/2009	Till date

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph. D	A. C. College of Tech., Anna University, Chennai	2006	-	Hydrodynamics of Packed Bed
M. Tech	Regional Engineering College, Bharathidasan University, Trichy.	1999	First Class	(Plant Design – Chemical Engineering)
B. Tech	Coimbatore Institute of Technology Bharathiar University, Coimbatore.	1998	First Class	Chemical Engineering
HSC	Nirmala Hr. Sec. School, TNSB	1994	First Class	Maths, Biology, Physics & Chemistry
SSLC	Nirmala Hr. Sec. School, TNSB	1992	First Class	Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Nodal Officer (MIS) TEQIP-II	TEQIP - Institute	Feb 2016	Till date
NBA UG Accreditation – Institute Member in Documentation	Institute	Nov 2015	
Deputy Center In charge	UG Admissions - Institute	2014	Till date
Associate Dean (RTI)	Institute	April 2014	November 2015
NBA UG & PG Accreditation – Department Member in SAR	Department	April 2014	
Warden of Emerald & Ruby Hostel from	Emerald & Ruby Hostel	July 2013	November 2015

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UG Admissions Committee member	UG Admissions - Institute	2012	Till date
Department Coordinator of UKIERI Proposals	Department	2011	-
Member	Hospital Infrastructure Development Committee	2009	2010
In charge - Timetable	Department	2006-07	Till Date
Member – Purchase committee	Institute	2006	Till date
Member - BoS	Department	2006	Till date
Class Committee Chairman	Department	2006	2016
M. Tech Admission Committee member	Department	2006	2008
Staff Advisor	Department & Institute	2006	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member	Academic Sub committee for UG and PG at A. C Tech Anna University	Nov 2016	Dec 2016
Examiner	Ph D, M. S M.Tech Thesis evaluation of various Institutes like NIT, Anna University	May 2006	Till date

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2001-2004	Teaching Research Associate	Anna University, Chennai

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
1993	National Merit Scholarship	Govt. of India	1993	1998
2004-2005	Senior Research Fellowship	CSIR, New Delhi	01/09/2004	17/02/2005

13. Details of Academic Work

- (i) Curriculum Development
(ii) Courses taught at Postgraduate and Undergraduate levels:

Post Graduate level:

1. Advanced Fluid Dynamics and Heat Transfer
2. Advanced Transport Phenomena
3. Environment Impact Assessment

Undergraduate level:

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4. Chemical Process Design & Drawing
5. Transport Phenomena
6. Chemical Process Calculations
7. Momentum Transfer Lab
8. Mechanical Operations Lab
9. Process Control Lab
10. Thermodynamics Lab
11. Civil/Mechanical Engineering Lab
12. Technical Analysis Lab

(iii) Projects guided at Postgraduate level

No. PG Students Guided: 22 Ongoing : 2

(iv) Other contribution(s)

Lab Manual Preparation:

1. Prepared the lab manual for “CL 212 **Fluid Mechanics Laboratory**” of Second Year B. Tech (Chem) at National Institute of Technology, Tiruchirappalli -15.
2. Prepared the lab manual for “CE 297 **Civil Engineering Laboratory**” of Second Year B. Tech (Chem) at National Institute of Technology, Tiruchirappalli -15.
3. Prepared the lab manual for “CL 313 **Thermodynamics Laboratory**” of Third Year B. Tech (Chem) at National Institute of Technology, Tiruchirappalli -15.
4. Prepared the lab manual for “CL 311 **Mechanical Operation Laboratory**” of Third Year B. Tech (Chem) at National Institute of Technology, Tiruchirappalli -15.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Investigation on removal of dyes from effluents using cloud point extraction	TNSCST Rs.1,85,300	01/06/2010	31/05/2012	Completed
Estimation of Design & Thermodynamic parameters for surfactant-mediated extraction of phenol	TNSCST Rs.5,000/-	July 2008	April 2009	Completed
Cloud Point Extraction of Organics	TNSCST Rs.6,000/-	July 2009	April 2010	Completed
Analysis of Flow and Heat transfer Characteristics of Single and Two	CSIR Rs.5,17,667/-	01/05/2010	30/04/2013	Completed

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phase flow through Plate type Heat Exchanger				
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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
Dr. R. Dhanuskodi	Heat transfer studies with supercritical water in smooth Vertical tube	Co –Supervisor	2014

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
February 9-14, 2016	International winter school and Hands on Training Programme on Nanobio Techniques	International	Participant	Bio Technology & Centre for Nanotechnology	Indian Institute of Technology, Roorkee
April 28-29, 2015	Academic Reforms	National	Participant	NIT, Trichy- 15	NIT, Trichy-15
June, 02 to 04, 2014	The right to Information act, 2005	National	Participant	Institute of Public Administration	New Delhi
March 3-7, 2014	AICTE sponsored short term course on “Colloids and Interfaces in Polymers and Surfactants	National	Participant	Department of Chemical Engineering	Indian Institute of Technology, Madras
May 9-10, 2013	Perspectives on Curriculum	National	Participant	NIT, Trichy- 15	NIT, Trichy-15
December – 11-21, 2012	Engineering Thermodynamics	National	Participant	ISTE workshop, ICT, MHRD, Govt.of India, Mechanical Engineering Department, IIT Bombay	DISTANCE EDUCATION mode
August 20 – 22, 2012	workshop on “Teaching Learning Methodologies	National	Participant	Teaching Learning Centre	IIT Madras
28 th Feb to 3 rd March, 2012	AICTE sponsored Quality Improvement	National	Participant	Department of Aerospace Engineering	IIT Kanpur

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	Programme – Short term Course on “Computational Combustion				
29th November - 10th December, 2011	Heat Transfer	National	Participant	ICT, MHRD, Govt.of India by Mechanical Engineering Department, IIT Bombay	DISTANCE EDUCATION mode
December 6-10, 2010	AICTE sponsored Quality Improvement Programmer – Short term Course on “Scientific computing in Chemical Engineering	National	Participant	Department of Chemical Engineering	IIT Guwahati
January 04 to 09, 2010	Staff Development Programme on “Computer Control of Processes	National	Participant	NIT, Tirchirappalli	NIT, Tirchirappalli
July 13 to 17, 2009	Faculty Development Programme on “Chemical Systems Modeling and Simulation	National	Participant	Department of Chemical Engineering	NIT, Tirchirappalli – 620015
July 6-11, 2009	DST-SERC School on “Optimization Techniques for Chemical Engineering Applications”	National	Participant	Office of Dean of Research and Development	Indian Institute of Technology, Bombay
August 21-27, 2008	Quality Improvement Programme on “Instructional Design and Delivery Systems	Local	Participant	NITTTR, Chennai	NITTTR, Chennai
June 16 to 28, 2008	Process Identification & Control	National	Participant	MHRD-AICTE Sponsored Summer School Department of Chemical Engineering	NIT Trichy
March 25-27, 2008	Short term course on “Ultra Sonics and onochemistry as an Emerging Technology”	National	Participant	National Institute of Technology, Trichy - 15	National Institute of Technology, Trichy -15
February 21, 2008	workshop on “Non-Linear Control Systems	National	Participant	National Institute of Technology, Trichy - 15.	NIT, Trichy - 15.

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January 04-05, 2008	workshop on “Advanced Fluid Dynamics	National	Participant	National Institute of Technology, Trichy - 15.	National Institute of Technology, Trichy - 15.
December 02-03, 2007	workshop on “Catalysts in Environmental Applications	National	Participant	National Institute of Technology, Trichy - 15	National Institute of Technology, Trichy - 15
September 17-18, 2007	workshop on “Computational Fluid Dynamics	National	Participant	NIT Warangal & Trichy	National Institute of Technology, Trichy - 15.
April 25-27, 2007	DST-SERC school on “Advanced Measurement Techniques in Multiphase systems”	National	Participant	University Institute of Chemical Technology	Mumbai
March 16-17, 2007	Short term course on “PEM Fuel Cells – Principles and System Level Integration”	National	Participant	Continuing Education Programme	Indian Institute of Technology, Chennai-36.
February 5-9, 2007	QIP Short term Training Programme on “Recent Advances in Environment, Safety and Energy Management	National	Participant	National Institute of Technology, Trichy - 15	National Institute of Technology, Trichy -15
December 11-15, 2006	DST-SERC School on “Rheology of Complex fluids	National	Participant	Centre for Faculty Development Technical Education	Indian Institute of Technology, Kanpur
November 14 – December 3, 2005	Applications of Chemical Engineering Principles for Biotechnology	National	Participant	UGC Sponsored Refresher, Department of Chemical Engineering	A. C. College of Technology, Anna University, Chennai – 25
May 3-5, 2005	Short term course on Orientation Training Programme on “Re-Engineering Teaching Skills”	Local	Participant	Centre for Professional Development Education	Anna University, Chennai - 25.
August 5-19, 2002	Modern Teaching Competencies	Local	Participant	Centre for University-Industry Collaboration	Anna University, Chennai – 25
April 2-17, 2001	C, C++	Local	Participant	Short term Course	Anna University, Chennai

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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
One week on workshop Nanomaterials for Energy & Environment	National	June 13-18, 2016	Co Coordinator	NIT Trichy
Two days Conclave on Strengthening Chemical Engineering curriculum for the Present and Future scenario	International	March 13-14, 2015	Co Coordinator	NIT Trichy
One day workshop on “Hybrid waste water treatment Technologies	National	April 12, 2014	Co Coordinator	NIT Trichy
Two day workshop on “gPROMS	Local	April 1-2, 2013	Co Coordinator	NIT Trichy
Two day Seminar on “Advanced Tools for waste water Treatment	International	January 28-29, 2013	Co Coordinator	NIT Trichy
One day sponsored on “Advanced Chemical Process Design	National	October 20, 2008	Co Coordinator	NIT Trichy
Two day workshop on Process Optimization	National	April 24-25, 2008	Co Coordinator	NIT Trichy
Three weeks Refresher Course on “Applications of Chemical Engineering Principles for Biotechnology	National	November 14 – December 3, 2005	Co Coordinator	A. C. College of Technology, Anna University, Chennai -25.

18. Invited Talks delivered

Topic	Date	Inviting Organization
Analysis of Utility Requirements using Concept of Pinch & Design of Tubular Heat Exchangers	23/08/2016	Department of Chemical Engineering, NIT, Tiruchirappalli - 15
Introduction to Wastewater Treatment & Technologies	06/05/2016	Department of Chemical Engineering, NIT, Tiruchirappalli - 15
Waste water treatment and Hybrid waste water treatment	12/04/2014	Department of Chemical Engineering, NIT, Tiruchirappalli - 15
Documentation for NBA Accreditation	04/02/2014	Anna university, Tiruchirappalli
Cloud Point Extraction – Can be a separation tool	01/12/2012	Department of Chemical Engineering, NIT, Tiruchirappalli - 15
Hydrodynamic studies on two phase systems in packed bed	24/03/2007	Department of Chemical Engineering, NIT, Tiruchirappalli - 15
Modeling of Packed Column	15/07/2009	Department of Chemical Engineering, NIT, Tiruchirappalli - 15

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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	LM 34030 - 2008
Member	Institution of Engineers (India)	M – 143373-8 - 2010
Life member	National Society of Fluid Mechanics & Fluid Power	LM-523 - 2010
Life Member	Indian Society of Technical Education	LM 75686 - 2010

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Dept. of Chemical & Biochemical Engineering, The University of Western Ontario, Canada	08/01/2008 to 07/02/2008	One Month Research Training on “Studies on Bio Desulphurization” sponsored by TEQIP under the Guidance of Prof. A. K. Ray

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal Name	Volume (No.)	Page numbers	Year	Impact Factor of the JI. (Optional)
M.D. Duraimurugan alias Saravanan, Thanabalan Murugesan, Appusamy Arunagiri	Determination of design parameters for the cloud point extraction of Remazol Turquoise Blue G-133 Dye using Triton X-114 surfactant	Desalination and Water Treatment	Accepted for Publication	-	2016	
D. Duraimurugan, L. Madhuri, J. Indulekha, R. Anatharaj, A. Arunagiri	Performance and Evaluation of Tergitol NP-7 and Triton X -114 for the removal of Crystal violet using Cloud Point Extraction	Chem. bioChem. Engg. Q	V-30, N-2,	189-198	2016	
Majid Majeed Akbar, • Fareeda Chemat, • Appusamy Arunagiri, Thanabalan Murugesan	Density and excess properties of N-methyl-diethanolamine (MDEA) with 1-hexyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate [hmim][FAP]”	J Therm Anal Calorim	V-123, N-1,	785-791	2016	
Augusta Pachathu, Kalaichelvi Ponnusamy, Kizhakkuveetil Narayanan Sheeba, Arunagiri Appusamy	Microwave Assisted Preparation of Bagasse and Rice Straw for the Removal of Emulsified Oil from Wastewater	Bioremediation JI.	V-20, N-2,	153-163	2016	
R. Dhanuskodi, R. Kaliappan, S. Suresh, N. Anantharaman, A. Arunagiri, J.	Artificial Neural Networks model for predicting wall temperature of supercritical boilers	Applied Thermal Engineering	V-90,	749-753	2015	

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Krishnaiah,						
Augusta Pachathu, Kalaichelvi Ponnusamy, Kizhakkuveetil Narayanan Sheeba, Arunagiri Appusamy	Microwave Assisted Preparation of Bagasse and Rice Straw for the Removal of Emulsified Oil from Wastewater	Bioremediation Jl.			2015	
R. V. G. K. Gowda, M. S. Seshasayee and A. Arunagiri	A Review on Liquid to Air Membrane Energy Exchangers and Flow mal-distribution in LAMEE	Jl. of Energy, Heat and Mass Transfer	V-37	173-185	2015	
A.Arunagiri, Prabisha Purushothaman P.Kalaichelvi, R.Anantharaj	Separation of Methylene Blue Dye from Aqueous Solution Using Triton X-114 Surfactant	Jl. of Thermodynamics: an International Jl.	V-24	Article ID 670186, 16 pages	2014	
A.Arunagiri, Indulekha John, P.Kalaichelvi, R.Anantharaj	Removal of Crystal Violet Dye from Aqueous Solution Using Triton X-114 Surfactant via Cloud Point Extraction	Engineering Science and Technology: an International Jl.	V-17	137-144	2014	
Anantharaj Ramalingam, Ramanathan Raja Subramanian and Appusamy Arunagiri	Molecular Interaction in Binary Mixture of 1-Ethyl-3-Methylimidazolium Ethylsulphate + Aromatic Sulfur Species: Ab Initio Calculations and Experiment	Jl. of Innovative Engineering	2(2): 6		2014	
K.Priya, D.Saravanan, P.Kalaichelvi, A.Arunagiri, R.Anantharaj	Extraction of Reactive Orange 107 dyes from Aqueous Stream Using Triton X-114 Surfactant: Quantum Chemical Calculations & Experiment	Jl. of Industrial and Engineering Chemistry	V-20	2409-2420		
Dhanuskodi, R, D. Santhosh Kumar, A. Arunagiri, and N. Anantharaman	Comparison of CFD and Empirical Models for Predicting Wall Temperature at Supercritical Conditions of Water	International J. of Mech. and Materials Engineering and Engineering e-Transaction				
K. Muthamizhi, P. Kalaichelvi, A. Arunagiri, A. Rudhra	Measurement And Model Validation Of Specific Heat Of Xanthan Gum Using Joules Calorimeter Method	International Jl. of Research in Engineering & Technology	Vol-2, Issue 9	232-238	2013	
N. Anantharaman, R. Dhanushkodi, A. ARUNAGIRI	Review of wall temperature prediction capability of available correlations for heat transfer at super critical conditions of water	Jl. of Energy			2013	
A.Arunagiri, K.Priya, D.Saravanan, P.Kalaichelvi, R.Anantharaj	Evaluation of Interaction Energies and Thermodynamic Properties in Binary mixture of Reactive Orange 107 Dye + Triton X-114 Surfactant at 303.15, 313.15 & 323.15K: Ab initio method & Experiment	International Jl. of Research in Engineering & Technology	Vol-2, Issue 8	442-454	2013	
Dhanuskodi R, A.Arunagiri and N.Anantharaman	Emission reduction potential of supercritical boilers planned in India	TERI Information Digest on Energy and Environment	Vol.12(1),	11-16	2013	

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ARUNAGIRI. A , Kalaichelvi. P, Subbarao Chekkuri and Anuja Vijaya	Studies on removal of Reactive blue Dye using Cloud Point Extraction	International Jl. of Chemical and Environmental Engineering	Vol-3, Issue 1		2012	
A. ARUNAGIRI, I. Regupathi and T. Murugesan	Interfacial Area and Mass Transfer Coefficients in Liquid_Gas Ejectors	Theoretical Foundations of Chemical Engineering	N-6,	818-813	2011	
N. Anantharaman, R. Dhanushkodi, A. ARUNAGIRI	Analysis of variation in properties and its impact on Heat transfer in sub and super critical conditions of water/steam”	Interat ional Jl. of Chemical Engineering and Applications	V- 2, N-5	320-325	2011	
C. Shaw Nawaz Khan, P. Kalaichelvi, M. Perumalsamy and A. ARUNAGIRI	Computational Fluid Dynamic analysis of Two phase Jet Mixer	Jl. of The University of Chemical Technology and Metall urgy	V-44, N-3	262-266	2009	
A. ARUNAGIRI, I. Regupathi and T. Murugesan	Gas holdup and energy Dissipation in Liquid – Gas Ejectors	Jl. of Chemical Technology & Biotechnology	V-83	1064- 1071	2008	
P. E. Jagadeesh babu, A. ARUNAGIRI, I. Regupathi and T. Murugesan	Pressure drop and Liquid holdup in Cocurrent Gas-Liquid Downflow of Air-CMC Solutions through Packed Beds	Chem. Biochem. Eng.Q	V-21,N-2	121-129	2007	
P. Kalaichelvi, M. Perumalsamy, A. ARUNAGIRI and K. Sofiya	Synergistic Extraction of Acetic acid from its Aqueous Solution	Jl. of the University of Chemical Technology and Metallurgy	V-42, N-2	423- 426,	2007	
P. E. Jagadeesh babu, A. ARUNAGIRI and T. Murugesan	Prediction of Pressure drop and Liquid holdup in Cocurrent Gas- Liquid Downflow of Air-Newtonian systems through Packed Beds	Jl. of Chemical Technology & Biotechnology	V-81	70-81	2006	
T. Murugesan and A. ARUNAGIRI	Slip Velocity and gas phase holdup in Gas-Liquid Cocurrent Upflow through Packed Bed	Jl. of Chemical Engineering of Japan	V-38	243- 252,	2005	
K. V. Radha, I. Regupathi, A. ARUNAGIRI and T. Murugesan	Decolorization studies of Synthetic dyes using Phanerochaete Chrysosporium and their kinetics	Process Biochemistry	V-40	3337- 3345	2005	
Muthukumar. K, ARUNAGIRI. A, Shanmugasund aram. P, Anatharaman. N, and Ahmed Basha	Treatment of Textile dye effluent by Electro Coagulation Techniqe	Jl. Of Industria l Pollution Control	V-19, N- 2,	281- 288,	2004	

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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Indulekha John, Jishnu Pola, Murugesan Thanapalan, Appusamy Arunagiri	Experimental Studies On Ultrasound Assisted Acid Hydrolysis Of Sweet Lime Peel For educing Sugar	Chemcon - 2016		Chemical Engineering towards Sustainable Development	IIT-M, A. C. Tech, Anna Univ., Chennai	2016
Indulekha John, Yaragarla Prasanthi, Muthaiah Perumalsamy, Ponnusamy, Kalaichelvi, Appusamy, Arunagiri	Statistical Optimization of Acid Catalyzed Steam Pretreatment of Citrus Peel Waste for Bioethanol Production	TECHNOSCAPE 2016		International Conference on Separation Technologies in Chemical, Biochemical, Petroleum and Environmental Engineering	VIT Vellore	20-21, October, 2016
Indulekha John, Gokul Siddarth M S and Appusamy Arunagiri	Characterization of Citrus Peels for Bioethanol Production	International Conference on Advances in Chemical Engineering (ICACE – 2015)			NITK Surathkal, India	Dec 20-22, 2015
Powar,S.T., K. Muthamizhi, P. Kalaichelvi and A. Arunagiri	Comparative Study of Heat Transfer and Flow Friction in Plate Heat Exchangers with Carboxymethyl Cellulose and Sodium Alginate	4th International Conference on Chemical and Biological Processes			Dubai (UAE).	22-24 November 2015
Gokul Siddarth , Prabisha M, Indulekha John and Arunagiri	Removal of Methylene Blue dye using cloud point extraction and ultrasound assisted Cloud Point Extraction	International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPPC)			National Institute of Technology, Tiruchirappalli	September 27-29, 2014

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ARUNAGIRI. A , Kalaichelvi. P, Subbarao Chekkuri and Anuja Vijayan	Studies on removal of Reactive blue Dye using Cloud Point Extraction	International Chemical and Environmental Engineering Conference (ICEEC – 2011)			Kuala Lumpur, Malaysia	December 21-23, 2011
Subbarao Chekkuri, ARUNAGIRI. A and Kalaichelvi. P	Studies on removal of Dye using Cloud Point Extraction	International Conference on Recent Advances in Chemical Engineering &Technology (RACET -2011)			IChE, Kochi Regional Centre	March, 10-12, 2011
Mahesh Ganesapillai, ARUNAGIRI. A and Iyyaswami Regupathi	Dehydration Characteristics and drying quality of Plaster of Paris using microwave heating process	Proceedings of First International Conference on Nano Structured Material s and Nano Composites (ICNM 2009)		pp 221	Institute of Macromolecular Sciences and Engineering, Kottayam, India	April, 6-8, 2009
Mahesh. G, ARUNAGIRI. A, and Neelamegam	Comparitive performance study for a direct Injection Diesel Engine using bio-diesel prepared from Cottonseed Oil Stock: A High Quality renewable fuel produced from <i>Gossipal Spp</i>	International Confere nce on Applied Bio Engineering			Sathyabama University, Chennai - 119	5-7 Dec, 2007
M. Arivazhagan, H. Subramaniam Bharadwaj, A. ARUNAGIRI, Suguna, Subhashini and R. Venkatraman	Adsorption of Chromium (VI) Using Artocarpus Heterophyllus Peel	Third conference of the International Congress of Chemistry			Kuwait	18-20 Nov, 2007
K. Sentilkumar, P. Kalaichelvi, M. Perumalsamy, A. ARUNAGIRI and T. Raja	Computational Fluid Dynamic Anagnosis Of Mixing Charac teristics Inside A Jet Mixer For Newtonian	World Congress on Engineering and Computer Science 2007 (WCECS 2007)			San Francisco, USA	2007

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	And Non Newtonian Fluids					
Anuja Vijayan, Duraimurugan alias Saravanan M.D, A.ARUNAGIRI	Comparative studies on removal of reactive blue and congo red dyes using cloud point extraction	CHEMCON 2011 (Poster)				Dec 27 th to 30 th 2011
D. Vasanth, R. Arvind, Raja Subramanian Ramanathan, A. Arunagiri and G. Pugazhenth	Removal of methylene blue dye from aqueous solution using mixed clays	CHEMCON 2011 ((Poster)				Dec 27 th to 30 th 2011
M.D. Duraimurugan alias Saravanan, P.Kalaichelvi, A. Arunagiri	Cloud point extraction of Phenol using TX-100 as non-ionic surfactant	Oral Presentation, CHEMCON 2010				Dec 27 th to 30 th 2010
Kiran. P, Subbarao Cherukuri, P.Kalaichelvi, A. Arunagiri	Determination of design and thermodynamic parameters for the cloud point extraction of phenol using the Tween 80	Oral Presentation, CHEMCON 2010				Dec 27 th to 30 th 2010
Kiran P and A. ARUNAGIRI	Estimation of Design and Thermodynamic parameters for surfactant mediated Extraction of Phenol	Oral Presentation at Student Projects Scheme Seminar			TNSCST, PSG College of Technology, Coimbatore	5-6 th of August, 2010
D. K. Shanmugapriya and A. ARUNAGIRI	Studies on removal of Organics using Cloud Point Extraction	Student Projects Scheme Seminar, Poster Presentation			TNSCST, KLN College of Engineering, Madurai	7-8 th of August, 2009
Kiran, D. K Shanmugapriya, P. Kalaichelvi, A. ARUNAGIRI, T. Murugesan	Cloud Point Extraction as a Separation Technique	Poster Presentation, CHEMCON 2009				Dec 27 th to 30 th 2009
D. K. Shanmugapriya , P. Kalaichelvi, T. Murugesan and A. ARUNAGIRI	Removal of Phenol using Cloud Point Extraction	Oral Presentation, CHEMCON 2009				Dec 27 th to 30 th 2009
P. Kalaichelvi, Majid Ma, K. Dheenadhayalan, A.	Computational Fluid Dynamic Analysis of	Oral Presentation at National Conference on			NIT, Surat	May 6-7, 2008

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ARUNAGIRI and M. Perumalsamy	Heat and Fluid Flow inside a Plate Heat Exchanger	Emerging Trends in Chemical Engineering				
A. ARUNAGIRI, P. Kalaichelvi and T. Murugesan	Prediction of Gas Phase Holdup in a Co-Current Gas-Liquid Upflow Through Packed Beds	Oral Presentation at CHEMCON 2007			Jadhavpur University, Kolkatta	Dec 27 th to 30 th 2007
P. Kalaichelvi, M. Perumalsamy, A. ARUNAGIRI, T. Raja, K. Sentilkumar and C. Shanawaskhan	Modeling and Simulation of Jet Mixers for Non-Newtonian Fluid Using Computational Fluid Dynamics	Oral Presentation at CHEMCON 2007				Dec 27 th to 30 th 2007
P. Kalaichelvi, A. ARUNAGIRI, T. K. Radhakrishnan and S. Mohanraj	Optimization of Process Parameters for Production of Propylene Glycol Mono Methyl Ether (PGMME)	Poster Session, CHEMCON 2006			GNFC, Gujarat	Dec 27 th to 30 th 2006

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
John Indulekha, M.S. Gokul Siddarth, Ponnusamy Kalaichelvi, and Appusamy Arunagiri	Book Chapter: Characterization of Citrus Peels for Bioethanol Production published in "Materials, Energy and Environmental Engineering: Edited by Raj Mohan B. • G. Srinikethan, Bhim Charan Meikap	Springer Singapore	2017 Yet be published	978-981-10-2674-4