

Name : Dr.M.Dharmendra Kumar
Designation and Affiliation : Professor, Anna University
Date of Birth : 02 June 1972
Permanent Contact Address : Department of Applied Science
and Tech, A.C.Tech.
Anna University, Chennai-600025



Academic Qualification :

	College Name	Area of Specialiazation	Year of passing	Marks Obtained
Ph.D	Anna University	Thermodynamics	2000	
UG	University Of Madras	General Chemistry	1992	
PG	Bharathidasan University	General Chemistry	1995	

Area of Research:

- ❖ Biodiesel production (Bio-fuels)
- ❖ Ground water studies
- ❖ Synthesis of polymer materials and nano-composites

Research Projects:

Funding Agencies	Title of the Project	Amount (Rs in Lakhs)	Status
U.G.C	Development and Characterization of Siliconized Epoxy/Ionomeric Urethane Corrosion Resistant Metal Structures.	5.11 Lakhs	Completed
Atomic Energy Regulatory Board (AERB)	Synthesis of Chitosan Based Polyelectrolyte Ultra Filtration Membrane for the Remediation of Cesium From Aqueous Solution	24.11 Lakhs	Completed
DST- WMT	Development of Anode From Petroleum Pitch for High Temperature Electrolysis	9.02 Lakhs	completed
DST-INDO-KOREA BILATERAL	Design and Development of Organic-Inorganic Hybrid Adsorbents Incorporated Polymeric Membranes for Environmental Applications	29.06 Lakhs	Co - investigator
	Total		

Post doctoral research / Ph.D /M.Tech / MS Guidance:

PDF : **Nil**
Ph.D : **19**
M.E/M.Tech :

Research publications:

Category	Conferences	Journals
National		04
International	24	118

Books:

International publications : 03

Patent:

Consultancy Assignments:

Funding Agencies	Number of Projects	Amount (Rs in Lakhs)

Administrative Experience:

S.No.	Position Held	From	To	Contributions
1.	Attesting Officer	Nov. 2017	Nov.2018	❖ Attesting the transcripts

				prepared by the office of Controller of Examinations (COE)
2.	Deputy Controller of Examinations, Anna University.	Apr. 2010	Jul.2017	❖ Arranging Centre valuation related work.
3.	Zonal Officer, Zone III Anna University, Chennai -25.	Aug. 2008	Jul. 2017	❖ Liaison officer between the University and the affiliated colleges, with regard to conduct of examinations and central valuation
4.	Assistant Warden A.C. Tech Hostel Anna University, Chennai -25.	Sept. 2005	Jul. 2008	❖ Audited the accounts of the Hostels ❖ Assisted the Executive Warden to Computerize the admission process ❖ Employee welfare ❖ Maintenance of hostel blocks

Awards/Recognitions:

S. No.	Recognition/Awarded	Year	Agency
1.	Senior Research Fellowship	1997	UGC
2	Innovative Project- “Research Support Scheme” Special Prize for The Project Entitled “In - Situ Synthesis of Metal Matrix Composites With Enhanced Hardness	2016	CTDT

	Towards Automobile Application.”		
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TECHNICAL RESEARCH PUBLICATIONS

INTERNATIONAL JOURNALS

1. Nagendra Gandhi.N, **Dharmendra Kumar .M**, Satyamurthy .N. “Solubility and mass transfer coefficient enhancement of ethyl benzoate through hydro trophy”. Hungarian J. of Ind. Chem., Vol.26, 63-68(1998).
2. **Dharmendra Kumar .M** and Rajendran .M. “Effect of dissolved salts on the vapour liquid equilibrium relationships of the three miscible binary systems at the pressure of 101.3kPa”. J. Chem. Engg. Japan, Vol.31, No.5, 749-757(1998).
3. Nagendra Gandhi.N, **Dharmendra Kumar .M**, Satyamurthy .N. “Effect of hydrotropes on Solubility and mass transfer coefficient of butyl acetate”. J. Chem. Engg. Data, Vol 43, No.5, 695-699(1998).
4. **Dharmendra Kumar .M** and Rajendran .M. “Salt Effect on the Enthalpy of mixing of Methanol + Water at 303.15k”. J. Fluid Phase Equilibria, Vol. 164, 217-224(1999).
5. **Dharmendra Kumar .M** and Rajendran .M. “Enthalpy of Mixing of Methanol + Benzene + Mercuric Chloride at 303.15 K”. J. Chem. Eng. Data, 44 (2),248–250(1999).
6. **Dharmendra Kumar .M** and Rajendran .M. “Salt Effect on the Enthalpy of mixing of Methanol + Ethyl acetate at 303.15k”. J. Chem. Engg. Data, Vol 45, 11-14(2000).

7. **Dharmendira Kumar .M** and Nagendra Gandhi .N.” Effect of hydro tropes on solubility and mass transfer coefficient of methyl salicylate”. J. Chem. Engg. Data, Vol 45, No.5, 419-423(2000).
8. **Dharmendira Kumar .M** and Nagendra Gandhi. “Effect of hydro tropes on solubility and mass transfer coefficient of amyl acetate”. Bioprocess Engg. Vol 23, No.1, 31-36(2000).
9. **Dharmendira Kumar .M** and Rajendran .M. “Effect of hydro tropes on solubility and mass transfer coefficient of ethyl and possible mechanism of hydrotropic phenomena”. Bioprocess and Bio-systems Engineering Vol.23, No.1, 31-36(2000).
10. **Dharmendira Kumar , P. Ashok Kumar and M. Rajendran**" Salt effect on the enthalpy of mixing of 1,4 - dioxane + acetic acid at 303.15 K " American Chemical Society . vol 48 (6), pp 1422–1424.(2003).
11. **Dharmendira Kumar .M**, Konguvel Thehazhnan, P, Umopathy, M., Rajendran, M., “Free Radical Polymerization of Methyl Methacrylate in the presence of Phase Transfer Catalyst”. Int. J. Polym. Mater. Vol 53, No.1(9), 95-103(2004).
12. G. Arthanareeswaran, M.Muthukumar, **Dharmendira Kumar .M**, D. Mohan, M. Rajendran. “Studies on performance of cellulose acetate and polyethylene glycol blend ultra filtration membranes using mixture design concept of design of experiments”. Int. J. Polym. Mater. Vol 55 , 1133 – 1154(2006).
13. R. Ramamoorthy, S. Renganathan and M. Velan, **M. Dharmendira Kumar**, M. Rajendran “Biosorption of Acid Blue 5 by biomass derived from Eichhorniacrassipes: Batch and Column Studies”. Inter. J. Chem. React. Engg. Vol 6, Article A671-14 (2008).
14. K. Shankar. **M. Dharmendira Kumar**, M. Velan, S. Renganathan, “Bio-sorption of Congo red dye using Tamarindusindica fruit sheel: Batch Studies”. Indian J. Environemtal Protection. Vol 28, No. 1028-1033(2008).
15. S. Renganathan, R. Venkatakrishnan, **M. Dharmendira Kumar**, M. Velan. “Kinetic studies on sorption Orange 14 and Brill Red 5B using Eichhorniacrassipes parts of Rhizome and Root”. Indian Journal of Engg, Science and Technology, Vol. 2,No.1, 11-16(2008).

16. Tamilarasan.R, **Dharmendira Kumar .M** , and Rajendran .M. “Salt Effect on the Enthalpy of mixing of methanol + Ethyl acetate at 303.15k”. Chem. Engg. World, Vol 43, 66-69(2008).
17. Renganathan.S, AjitBalajiKannavadiDevaraj, **Dharmendira Kumar .M**, Baskar.G, M. Velan. “Biosorption of Lignin Compounds using Biomass Derived from Eichhorniacrassipes: Batch Studies”. Inter. J. Chem. React. Engg, Volume 6, Article A102 (2008).
18. Tamilarasan.R, AnandPrabhu, A, **Dharmendira Kumar .M**, Yoo.C.K, “Salt Effect on the Enthalpy of mixing of 1,4 Dioxane + Formic acid at 303.15k”. J. Chem. Engg. Data, Vol 53, 966-969(2008).
19. S. Renganathan, R.Venkatakrishnan, **M. Dharmendirakumar**, M. Velan, “Kinetic studies on sorption of Basic Orange 14 and Brill Red 5B using Eichhorniacrassipes parts of Rhizome and Root”. Indian Journal of Engineering, Science and Technology, Volume 2, Issue No. 1, 11-16(2008).
20. S.Renganathan, R.Venkatakrishnan, S.Venkataramana, **M. Dharmendira Kumar**, S.Deepak, Lima Rose Miranda, M.Velan. “Kinetic studies on sorption of basic dye using Eichhorniacrassipes”. J. Env. Sci. Engg. Vol. 50, No. 4, 249-254(2008).
21. S. Renganathan, K. Shankar, **M. Dharmendira Kumar**, M. Velan. “Biosorption of Congo Red dye using Tamarindusindica fruit shell: Batch Studies”. Indian J. Environmental Protection. Vol. 28, No. 11, 1028-1033(2008).
22. **Dharmendira Kumar .M**. “Determination and Correlation of Salt Effect on the Enthalpy of Mixing of 1,4-Dioxane + Formic Acid at 303.15 K”. J. Chem. Engg. Japan, Vol.42,(7)485-489(2009).
23. G. Baskar, **Dharmendira Kumar .M** A. AnandPrabu, S. Renganathan and Chang KyooYoo. “Optimization of Carbon and Nitrogen sources for L-asperginase Production by Enterobactoraerogenes using Response surface Methodology”. Chemical and Biochemical Engg Quarterly. Vol 23, No.3, 393-397(2009).
24. R. Tamilarasan, A. AnandPrabu, M. Raajenthiren, **Dharmendira Kumar .M**,ChangKyooYoo. Effect of Dissolved Salts on the Enthalpy of Mixing of the Methanol + Formic Acid System at 303.15 K”. J. Chem. Engg. Data, Vol.54, No.1, 4-7, (2009).

25. V. Karthik, M. Velan, **M. Dharmendira Kumar**, S. Renganathan. "Removal of brill red 5b from an aqueous solution using ciccaacida biomass". *Can. J. Chem. Engg.*, Vol.87, 554-561(2009).
26. R. Tamilarasan, Sunil G. Baffna, A. Anand-Prabu, **M. Dharmendira Kumar**. "Salt effect on the enthalpy of mixing of 2-propanol + acetic acid at 303.15 K". *Polish Journal of Chemical Technology*, Vol. 11, No.4, 20-23 (2009).
27. Tamilarasan .R, AnandPrabuArun, Raajenthiren,**M. Dharmendira Kumar .M**, Chang KyooYoo. "Determination and Correlation of Excess Enthalpies of Mixing of Ethyl Acetate / Benzene Mixtures Containing Dissolved Inorganic Salts at 303.15 K". *J. Chem. Engg. Japan*, Vol. 42, No. 7,485-487(2009).
28. G.Vijayakumar, **M. Dharmendira Kumar**, S. Renganathan, S. Sivanesan, G. Baskar, Kuppanagounder P. Elango. "Removal of Congo Red from aqueous solutions by Perlite". *Clean-Soil, Air, Water*, Volume 37, 355-364(2009).
29. S.Renganathan,**M. Dharmendira Kumar**, V.Shanmugasundaram, KirubanandanShanmugam, ManickamVelan. "Sorption of kinetic and equilibrium analysis for the removal of reactive red 2 and reactive blue 81 dyes from synthetic effluents using dried soya bean meal". *Inter. J. Chem. React. Engg.*, Volume 7, Article A 33 (2009)
30. S.Renganathan, M.Velan, V.Karthik, **M.Dharmendira Kumar**, Raajenthiren.M. "Antimicrobial Activity of CiccaAcida Against Various Environmental Pathogenic Bacterial and Fungal Species". *Indian Journal of Environmental Protection*. Vol.29, No. 1, 44-48(2009).
31. S. Renganathan, C. Rajesh Kanna, **M.Dharmendira Kumar**, G.Baskar. "Studies on antibacterial activity of Leucasaspera extracts". *Research Journal of Biological Science*. Vol. 4, 236-241(2009).
32. S. Renganathan, Jayabalan. Kalpana, **M.Dharmendira Kumar**, M.Velan. "Equilibrium and Kinetic Studies on the Removal of Reactive Red 2 Dye from Aqueous Solution Using Positively Charged Functional Group of NymphaearubraBiosorbent". *Clean-Soil, Air, Water*, Vol.37, No. 11, 901- 907(2009).

33. S.Renganathan, P. B. SreeParthan, G. Vijayakumar, **M. Dharmendra Kumar**, M. Velan. "Bio sorption of residual oil using biomass derived from Pistiastratiotes: Batch studies". Indian J. Environmental Protection, Vol. 29, No. 10, 890-895(2009).
34. S. Renganathan, K. Sangeetha, **M. Dharmendra Kumar**, M. Velan. "Biosorption of chromium (VI) from an aqueous solution using Adathodavasica". Indian J. Environmental Protection, Vol. 30, No. 1, 46-51(2010).
35. G. Vijaya Kumar, P. Ramalingam, Min Jung Kim, Chang KyooYoo, **M. Dharmendra Kumar**. "Removal of acid dye (violet 54) and adsorption kinetics model of using musa spp. waste: A low-cost natural sorbent material". Korean J. Chem. Eng., Vol.27, No.5, 1469-1475(2010).
36. G. Vijayakumar, Chang KyooYoo, KuppanaGounder P. Elango, **M. Dharmendra Kumar**. "Adsorption Characteristics of Rhodamine B from Aqueous Solution onto Baryte". Clean-Soil, Air, Water, Vol. 38, No.2, 202-209(2010).
37. Tamilarasan, K., Ashok, A., Abinandan, S, **Dharmendra Kumar, M** "Optimization of Operating Variables for Corn Flour Starch Hydrolysis using Immobilized α -amylase by Response Surface Methodology" International Journal of Biotechnology and Biochemistry. Vol. 6, 841–850, (2010).
38. Tamilarasan, K., Subramanian, A, **Dharmendra Kumar, M** "Optimization of Enzymatic Hydrolysis of Rice Starch by Immobilized α -Amylase using Response Surface Methodology". International Journal of Biosciences and Technology, Vol. 3, 61–67, (2010).
39. R.Tamilarasan , A. AnandPrabhuKap Jin Kim and **M.Dharmendra Kumar** Effect of dissolved inorganic salts on the enthalpy of mixing of the ethanol + pyridine system at 303.15K " J. Chem . Eng . data,55,3567-3571, (2010).
40. R.Tamilarasan , A. AnandPrabhuKap Jin Kim and **M.Dharmendra Kumar."** Effect of dissolved cadmium chloride and ammonium chloride salts on the enthalpy of mixing of the methanol + benzene system at 303.15K chinese journal of Chemical Engineering, 18(6)995-999,(2010).

41. P. Sethuraman and **M. Dharmendira Kumar**. “Biosorption Kinetics of Cu (II) Ions Removal from Aqueous Solution using Bacteria”. Pakistan Journal of Biological Sciences, Vol.14: No.5, 327-335(2011).
42. P. Sethuraman and **M. Dharmendira Kumar**. “Application of Bacteria to Remove Ni(II) Ions from Aqueous Solution”. European Journal of Scientific Research, Vol.52 No.3, 345-358(2011).
43. P. Sethuraman and **M. Dharmendira Kumar**, “Bacillus Subtilis on Pb²⁺ ions removal from aqueous solution by Biosorption”. Research Journal of Pharmaceutical, Biological and Chemical Sciences. Vol.2: No.5,247-257(2011).
44. R. M. Reema, P. Saravanan, **M. Dharmendira Kumar**, S. Renganathan. “Accumulation of Methylene Blue dye by Growing Lemna minor”. Separation Science and Technology, Vol.46, No.6, (2011).
45. Saranya .G, S. Panneerselvam, **M. Dharmendirakumar**, S. Renganathan. “Equilibrium Uptake and Bioaccumulation of Basic violet 14 Using Submerged Macrophyte Hydrilla verticillata”. Clean-Soil, Air, Water CLEAN – Soil, Air, Water, Vol.39,No.3,283–288,(2011).
46. Tamilarasan, K., Peatciyammal, N., Rajamaniccam, L. Sai, **Dharmendira Kumar, M.** “Statistical Optimization of Lipase Production from Bacillus spp by Response Surface Methodology”, Research J. Engineering and Tech., Vol.1, 31-35, 2011.
47. Tamilarasan, K., Saranya, R., Rajamaniccam, L. Sai, **Dharmendira Kumar, M.** “Production, purification and characterization of lipase enzyme from Bacillus species”, International Journal of Biosciences and Technology, Vol. 4, 18–22, (2011).
48. Tamilarasan, K. and **Dharmendira Kumar, M.** “Optimization of medium components and operating conditions for the production of solvent-tolerant lipase by Bacillus sphaericus MTCC 7542”, African Journal of Biotechnology. Vol. 10, 15051–15057, (2011).
49. G.Vijayakumar, R.Tamilarasan, V.Sivakumar, **M.Dharmendira Kumar**. “Kinetic, Equilibrium and Sorption studies of reactive orange -16 from aqueous solution using nut shell of arachishypogaea” Elixir Pollution Vol.38 (2011) 4302-4307.

50. Sasikumar, S, **Dharmendirakumar, M**, 'Composition Monitoring of Batch Distillation Column using Adaptive Neuro Fuzzy Inference System Estimator' International Journal of Computer Science and Technology, vol. 2, no 1, 104-107, 2011.
51. N. Praveena, P. Saravanan, M. **Dharmendira Kumar**, N. Nagendra Gandhi, S. Renganathan. "Biosorption of Reactive Red 198 from an aqueous solution using *Acalyphaindica*". Asia-Pacific Journal of Chemical Engineering Vol. 7, pp. 761 - 768 (2011).
52. R.Saranya, K. Tamilarasan, N. Peatciyammal, Dr. Rajamaniccam L. Sai, **M. Dharmendira Kumar**"Statistical Optimization of Lipase Production from *Bacillus* spp by Central Composite Design Research". J. Engineering and Tech. 2(1): Jan.-Mar. 2011 page 31-35
53. R. Tamilarasan¹, **M. Dharmendira Kumar**" Effect of Calcium chloride and Cadmium chloride on the enthalpy of mixing of 1,4 Dioxane + Water at 303.15 K" International Journal of Engineering, Science and Technology Vol. 3, No. 1, 2011, pp. 237-243.
54. Jeong Tai Kim, Heecheul Kim, Sun-Kuk Kim, **M. Dharmendira Kumar**, and Arun Anand Prabu " Effect of Cadmium Chloride and Ammonium Chloride Salts on the Enthalpy of Mixing of Pyridine + Water at 303.15 K, J. Chem. Eng. Data, 57 (1), pp 1–6,(2011).
55. R.Tamilarasan, G.Vijayakumar and **M.Dharmendira Kumar**" Experimental determination and correlation of enthalpy of mixing of binary methanol + ethyl acetate system in the presence of dissolved inorganic salts at 303.15 K, Elixir Chem. Phys. 33 (2011) 2268-2272.
56. G.Vijaya Kumar , R. Tamilarasan And **M. Dharmendira Kumar** " Removal of cd^{2+} ions from aqueous solution using live and dead *bacillus subtilis* " chemical engineering research bulletin 15, 18-24 , (2011).
57. K.Tamilarsan and **M.Dharmendira Kumar** "Kinetic Modeling and Analysis of Kinetic Parameters for Solvent-tolerant Lipase from *Bacillus sphaericus* MTCC 7542", Research Journal of Microbiology 6(7):575-586 (2011).
58. G.Vijayakumar, R.Tamilarasan, **M.Dharmendira Kumar**. "Adsorption, Kinetic, Equilibrium and Thermodynamic studies on the removal of basic dye Rhodamine-B from aqueous solution by the use of natural adsorbent perlite". J. Mater. Environ. Sci. Vol.3 No.1, 157-170(2012).

59. P. Sethuraman and **M. Dharmendira Kumar**. "Kinetics and equilibrium studies on removal of Cd²⁺ from aqueous solution on to Bacillus Subtilis". Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol.3 No.1, 352-361(2012).
60. Jeong Tai Kim, Heecheul Kim, Sun-Kuk Kim, **M. Dharmendira Kumar**, ArunAnandPrabu Effect of Cadmium Chloride and Ammonium Chloride Salts on the Enthalpy of Mixing of Pyridine + Water at 303.15 K". J. Chem. Eng. Data, Vol. 57 (1),1–6(2012).
61. Dhanasekaran. K, **Dharmendirakumar .M**. "A kinetic study of biodiesel in waste cooking oil". African Journal of Biotechnology Vol. 11(41), 9797-9804, (2012).
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63. DulcyEvangelin, C., Gunasekaran, S.G, **Dharmendira Kumar, M**. "Removal of lead ions from aqueous solution by adsorption onto chemically modified silk cotton hulls by different oxidizing agents", Asia-Pacific Journal of Chemical Engineering , vol. 8, no. 1, 189-201, (2012).
64. DulcyEvangelin, C., Gunasekaran, S.G, **Dharmendira Kumar, M**. "Preparation and characterization of chemically modified silk cotton hull activated carbon and its effects on Cd(II) removal from aqueous solution", Bioremediation Journal, vol. 17, no. 1, 1-12,(2012).
65. K.Tamilarasan, **M.Dharmendira Kumar**, "Purification and characterization of solvent tolerant lipase from Bacillus sphaericus MTCC 7542" Biocatalysis and Agricultural Biotechnology, vol. 1, no. 4, 309-313.
66. DulcyEvangelin, C, SaiVenkatNaren, **Dharmendira Kumar, M** "Comparison of the features of the three chemically modified silk cotton hull activated carbons" Oriental Journal of Chemistry, vol 28, no 4, 1761-1768, (2012).
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69. S.Sasikumar, **M. Dharmendra Kumar** And SaiVenkatNaren" Scrutiny of b- cyclodextrin efficiency for pharmaceutical formulation and oral drug delivery system analysis using cluster analysis of data mining ,Wulfenia Journal, vol 19, no.11,277-290, (2012).
70. C. DulcyEvangelin, Saivenkatnaren And **M. Dharmendra Kumar**" "Comparison of the Surface Features of the Three Chemically Modified Silk Cotton Hull Activated Carbons" OJCHEG 2012, Vol. 28, No. (4): Pg. 1761-1768.
71. S.Sasikumar , **M, Dharmendra Kumar** And S., Renganathan " application of canal data mining technique in pharmaceutical formulation and oral drug delivery system analysis " European Journal of Scientific Research vol .86 .1 ,135-146, (2012).
72. Padmanaban, A, **Dharmendra Kumar, M**, Sakthivel, P.B, Elanagovan, N.S, 'A Case Study on Chemical Properties of Ground Water in Madurai District, Tamil Nadu, India', International Journal of Engineering and Advanced Technology, vol.2, no. 4, 713-718, (2013).
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74. Elangovan, N. S, **Dharmendra Kumar, M**, "Assessment of Ground water Quality along the Cooum River, Chennai, Tamil Nadu, India," Journal of Chemistry, vol 2013, no. 2013, 1-10.
75. Gunasekaran, S.G & **Dharmendra Kumar, M** 2013, 'Carboxyl-tailed ionic liquid promoted aqueous dispersion of multi-walled carbon nanotubes', High Performance Polymers, Vol. 26. 274-282, (2013).
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78. Dhanasekaran, K. and **Dharmendra Kumar, M.** "Characterization & Optimization of Biodiesel from Waste Cooking Oil" Australian Journal of Basic and Applied Sciences, Vol.2, 157-164, 2013.
79. R. Padmanaban , **Dharmendra Kumar, M.** P.B. Sakthivel , and N.S.Elangovan " Ground Water Quality of Madurai District in Tamil Nadu, India - A Case Study" International Journal of Engineering Research and Development, Volume 6, Issue 10 (April 2013), PP. 50-53.
80. C.Dulcyevangelin ,S. Gunasekaran and **Dharmendra Kumar, M** " Removal of lead ions from aqueous media by adsorption onto chemically modified silk cotton hulls by different oxidizing agent "Asiapacific Journal of Chemical Engineering ,8,189-201,2013.
81. G. Kishan , P. Gopalakannan , C. Muthukumar , K. Thirumalai Muthukumaresan , **M. Dharmendra Kumar** , K. Tamilarasan "Statistical optimization of critical medium components for lipase production from *Yarrowialipolytica* (MTCC 35)" Journal of Genetic Engineering and Biotechnology (2013) 11, 111–116.
82. S.G.Gunasekaran, K.Rajkumar , M.Alagar **M. Dharmendra Kumar** "siloxane core dianhydride modified ether linked cyclohexyldiamine based multi-walled carbon nano tube reinforced polyamide (MWCNT/PI) nanocomposites" Journal of Polymer Research 21: 342, 2013.
83. Gunasekaran, S.G, Devaraju, S, Alagar, M &**Dharmendra Kumar, M** 2014, "Studies on synthesis and characterization of multi-walled carbon nanotube-reinforced polyimide nanocomposites based on a siloxane-modified anhydride", High Performance Polymers, vol. 26, no. 1, 1-9,2013.
84. D.Veenaraja, V.Muthukumar , R.Venkadasamy, **M.Dharmendirakumar** ,A.Sureshbabu , N. Senthilkumar , Impact of Machining Parameters on the EDM Process Responses : A Taguchi Approach For Al-SiC MMC, Procedia engineering ,2013.

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86. Dhanasekaran, K. and **Dharmendira Kumar, M** "Optimization Study of Biodiesel Used Frying Oil", "International Journal of Current Microbiology and Applied Sciences" Vol. 3 (02) 2014.
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89. Elsa Cherian, **Dharmendira Kumar, M** &Baskar, G , "Cellulosic Bioethanol Production by Sequential Fermentation Using Agricultural Waste". Int. J. Chemtech. Res., vol.6, no.14, pp.5653-5660,2014.
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91. D.Veenaraja, V.Muthukumar , R.Venkatasamy, **M.Dharmendirakumar** ,A.Sureshbabu , A.Antony George fernando, Surface Roughness Analysis And Optimization of EDM Machining Parameters In Machining Al/Sic MMC By Taguchi Method , international journal of applied engineering research vol.9no.26,pp.9386-9389, 2014.
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- for Bioethanol Production using Fruit Waste", Journal of Environmental Biology. Vol. 36, 1229-1237,(2015).
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NATIONAL JOURNALS:

INTERNATIONAL CONFERENCES:

NATIONAL CONFERENCES:

S.No.	Name of Conference /Workshop etc.	Duration		Days
		From	To	
1.	UGC Refresher Course on “Recent Trends in Crystal Growth and Applications”	05/02/2003	26/02/2003	21
2.	AICTE Refresher Course on QIP Short term Course on “Network Programming, Security and Management”	02/06/2003	14/06/2003	12

S.No.	Name of Conference /Workshop etc.	Duration		Days
		From	To	
3.	Course on “Mathematical Modeling and Simulation”	09/12/2003	12/12/2003	4
4.	UGC Refresher course on “Applications of Chemical Engineering principles for Biotechnology”	14/11/2005	03/12/2005	21
5.	Course on “Waste Management”	09/02/2006	09/02/2006	1
6.	National Workshop on “Effective Energy Management through Energy Audit”	24/12/2006	26/12/2006	3
7.	AICTE sponsored Staff Development program - Enhancing the Quality of Teaching.	07/12/2007	19/12/2007	18
8.	National Conference of Frontiers of Chemistry	24/01/2008	5/01/2008	02
9.	National Seminar on display Phosphors and Applications 2008	10/11/2008	11/11/2008	02
10.	Workshop on ETV/e content production	29/01/2010	30/01/2010	02
11.	AICTE sponsored National level Staff Development Programme on “Artificial Intelligence”	26/04/2010	09/05/2010	14
12.	Faculty Development Training Programme on CY 2111- Engineering Chemistry – I	08/06/2012	15/06/2012	7
13.	Faculty Development Training Programme on Instrumental Methods of Analysis	14/12/2012	21/12/2012	7
14.	Faculty Development Training Programme on GE9261 / GE9371 / GE2021 – Environmental Science & Engineering	11/12/2013	18/12/2013	7
15.	Training Programme on Prospects and Challenges in Fermentation and Downstream Processing	17/11/2014	06/12/2014	21
16.	Training Programme on CE6605 - Environmental Engineering –II	01/12/2016	11/12/2016	8

S.No.	Name of Conference /Workshop etc.	Duration		Days
		From	To	
		(Except 6, 7 & 8.12.2016)		
17.	Advances in Nano biotechnology and Analytical Instrumentation in Health Sciences	24.06.2016	7.06.2016	14
Total Number of days				163

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