

Dr.V.M.SIVAKUMAR

Assistant Professor
Department of Chemical Engineering,
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EDUCATIONAL QUALIFICATION

- ✓ PhD (Chemical Engineering) –University Sains Malaysia (USM), Pulau Penang, Malaysia (May**2011**)
- ✓ M.Tech (Chemical Engineering) –**First Class**, Bharathiar University, Tamil Nadu, India (March**2000**)
- ✓ B.E. (Chemical Engineering) –**First Class with Distinction**, Annamalai University, Tamil Nadu, India (April **1998**)

EXPERIENCE

- (a) Academic Teaching :- **17** years
- (b) Research :- **10** years
- **Assistant Professor**- Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, Tamil Nadu, INDIA (31 /01/2011– Till date)
- **Research Fellow / University Academic Tutor**–School of Chemical Engineering, Universiti Sains Malaysia (USM), MALAYSIA (2/04/ 2007–30/01/2011)
- **Lecturer(OG)** –Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, INDIA (5/06/ 2003 – 31/03/2007)
- **Lecturer(Temporary)** –Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, INDIA (29/02/2000 – 4/06/2003)

Subjects Handled:

- Fluid Mechanics
- Mechanical Operations
- Process Equipment Design and Drawing
- Chemical Reaction Engineering Lab

Researcher ID :E-7994-2010 (Thomson Reuters)

Scopus Author ID : 35206655400

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Google Scholar
Citations : 224
h-index : 8
i-10 index : 8

PUBLICATIONS : 84

(A) INTERNATIONAL JOURNAL PUBLICATIONS

Total Journal Publications :40

- Published : 37
- In Review : 03

1. A.Gouthaman, Raja.S.Azarudeen, A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "Polymeric nanocomposites for the removal of Acid red 52 dye from aqueous solutions: Synthesis, characterization, kinetic and isotherm studies" Ecotoxicology and environmental safety, 2018, Vol.160, pp. 42-51.
2. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "Investigation of a novel PVP capped and Nd doped ZnO nanoparticles with enhanced photocatalytic activity using Brilliant green dye" Iranian Journal of Chemistry and Chemical Engineering (IJCCE)- Articles in Press, Accepted Manuscript , Available Online from 18 March 2018.
3. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "Facile one step synthesis of Nd doped BiOCl nanoparticles with the excellent photocatalytic behavior", Asia- Pacific Journal of Chemical Engineering, doi: 10.1002/apj.2112. [ISI Thomson Reuters Impact Factor: 0.836]
4. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "Facile Synthesis of Mg doped BiOCl Photocatalyst by a Novel One Step Solvothermal Method: Synthesis and Characterization" submitted to International Journal of Nanotechnology- 2017 (**in review**)
5. Chandrasekaran Muthukumaran, **Vaiyazhipalayam Murugaiyan Sivakumar**, Sethupathi Sumathi, Marimuthu Thirumarimurugan "Modeling and optimization of crystal violet dye removal by surfactant modified magnetic nanoadsorbent using response surface methodology" Rendiconti Lincei Scienze Fisiche e Naturali (LYNC), Springer – 2017 (**in review**)
6. Chandrasekaran Muthukumaran, **Vaiyazhipalayam Murugaiyan Sivakumar**, Sethupathi Sumathi, Marimuthu Thirumarimurugan "Adsorptive removal of Auramine-O dye using surfactant modified Fe₃O₄ nanoparticles" Journal of Dispersion Science and Technology, Taylor & Francis – 2017 (**in review**)
7. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar** and S.N.Saranya, "Model Based Approach on the effect of Isoflurane and Control of Critical Hemodynamic variables", International Research Journal of Pharmacy, 8(5), 2017, pp.130-137.
8. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar**, S.N.Saranya and N.Vinoth "Investigation on Regulation of Critical Hemodynamic Variables by Correlative Optimal Control Studies for Pharmacokinetic-Pharmacodynamic Model", Latin American Journal of Pharmacy, 36 (9), 2017, pp. 1892-1900.

9. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar** and S.N.Saranya, "Optimal Control Studies on Intravenous Cardiac Drug Infusion System to Control mean Arterial Pressure by mathematical Modeling Approach", SYLWAN, English edition, 161(6), 2017, Printed in Poland, pp.545-553.
10. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar** and S.N.Saranya, "Evaluation of Control Schemes for Blood Pressure Regulation", World Applied Sciences Journal, 35 (4), IDOSI Publications, 2017, pp.557-562.
11. S. Gowthami, M. Thirumarimurugan, **V.M. Sivakumar**, Sukanya, "Impending Heavy Metal Tolerance of Fungus Isolated from Dye Industrial Sludge", International Journal of Materials and Product Technology, Vol.55, Nos.1/2/3, 2017, pp.308-318.
12. P.Ezhilkumar, **V.M.Sivakumar**, A.Yogasri and M. Thirumarimurugan, (2017) "Biodegradation of Formaldehyde using *Bacillus Subtilisin* Batch Process", International Journal of Materials and Product Technology, Vol.55, Nos.1/2/3, 2017, pp.296-307.
13. C.Muthukumaran, **V.M.Sivakumar**, M.Thirumarimurugan "Adsorption isotherms and kinetic studies of crystal violet dye removal from aqueous solution using surfactant modified magnetic nanoadsorbent" – Journal of Taiwan Institute of Chemical Engineers Vol. 63, June 2016, Pages 354–362 [ISI Thomson Reuters Impact Factor:3.000].
14. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "A study on Cu and Ag doped ZnO nanoparticles for the photocatalytic degradation of Brilliant Green dye: Synthesis and characterization" – Water Science and Technology, 2016,74 (6), 1426-1435 [ISI Thomson Reuters Impact Factor: 1.212].
15. Govindasamy Sharmila, Marimuthu Thirumarimurugan, **Vaiyazhipalayam Murugaiyan Sivakumar** "Optical, catalytic and antibacterial properties of phytofabricated CuO nanoparticles using *Tecoma castanifolia* leaf extract" –Optik - International Journal for Light and ElectronOptics,2016,127 (19), 7822-7828 [ISI Thomson Reuters Impact Factor: 0.677]
16. P.Ezhilkumar, K.V.Selvakumar, R.Jenani, N.Koperun Devi, M.Selvarani, **V.M. Sivakumar** "Studies on removal of formaldehyde from industrial wastewater by photocatalytic method" -Journal of Chemical and Pharmaceutical Sciences, Jan-Mar 2016, 259-264.
17. M.Thirumarimurugan, D.Mahalakshmi, **V.M.Sivakumar**, V.Dineshkumar "Evaluation of series and parallel cascade using optimal controller" - International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5 (1),2016,122-126.
18. V.Dineshkumar, **V.M.Sivakumar**, D.Mahalakshmi, M.Thirumarimurugan "Comparison of series and parallel cascade using PI controller" – Advances in Natural and Applied Sciences, Vol. 9 (17), 2016, 317-321.

19. D.Vijayanandh, **V.M.Sivakumar**, M.Thirumarimurugan "Design of Control System for a Pineapple Drying Process"-Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 10, October 2016, pp. 797-803.
20. V.Dineshkumar, **V.M.Sivakumar**, M.Thirumarimurugan "Fuzzy Logic Control based Parallel Cascade Controller for Distillation Column" - Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 9, September 2016, pp.490-499.
21. K.Sumithrabhai, M.Thirumarimurugan, **V.M.Sivakumar**, S.Sujatha "Expedient study on treatment of dairy effluent in fluidized bed reactor using immobilized microalgae" -International Journal of Advanced Engineering Technology/Vol. VII/Issue II/April-June, 2016, 231-235.
22. Umamaheswari.B, **V.M.Sivakumar**, P. Babu and M.Thirumarimurugan, "Performance Comparison and Kinetic Studies of UASB and HUASB for Treating Municipal Effluent", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77,2015, 255 -259.
23. V.Gannapriya, **V.M.Sivakumar** and M.Thirumarimurugan, "Comparison and kinetic studies on sago effluent using up flow anaerobic sludge blanket reactor and hybrid up flow anaerobic sludge blanket reactor", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77, 2015, 250-254.
24. Saranya K, Thirumarimurugan M, **Sivakumar VM** and Manivasagan V, "Comparative Studies In Batch Reactor on Removal of Hexavalent Chromium Using *Tabebuia aurea* , *Allium cepa*, *Hibiscus rosa-sinensis*, *Delonix regia* and *Saraca indica* leaves as a biosorbent by using Immobilization/Non-Immobilization technique", International Journal of Applied Engineering Research, Vol.10, No.9, 2015, pp.22403-22413, ISSN: 0973-4562.
25. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar** "Performance Prediction of refrigeration Systems by artificial neural network" - International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering – Vol. 4, Issue 9,2015.
26. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan "Influencing parameters in the photo catalytic degradation of organic effluent via nano photocatalyst" – Indian Journal of Materials Science – 2015, Volume 2015, Article ID 601827, 16 pages.
27. A.Gnanaprakasam, **V.M.Sivakumar**, PL.Sivayogavalli, M.Thirumarimurugan "Characterization of TiO₂ and ZnO nanoparticles and their applications in photocatalytic degradation of azodyes"-Journal of Ecotoxicology and Environmental Safety (Elsevier), 121, 2015, 121-125[DOI:<http://dx.doi.org/10.1016/j.ecoenv.2015.04.043>] [ISI Thomson Reuters Impact Factor: 2.482].

28. A.Surendhar, **V.M.Sivakumar**, T.Kannadasan "Prediction of air flow and temperature distribution inside a yogurt cooling room using computational fluid dynamics" – Journal of Applied Fluid Mechanics, Vol.8 (2), 2015, 197-206. (ISI Thomson Reuters Impact Factor, 0.505).
29. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan, T.Kannadasan, "Optimization studies of biofuel synthesis from waste palm oil using calcium oxide as catalyst"–Chapter5,2014,18-22.
30. A.Gnanaprakasam, **V.M.Sivakumar**, A.Surendhar, M.Thirumarimurugan and T.Kannadasan "Recent strategy of biodiesel production from waste cooking oil and process influencing parameters – a review" – Journal of Energy, Article ID 926392, 10pages, 2013.
31. A.Sivalingam, T.Kannadasan, S.T.Brahadeesh, M.Thirumarimurugan and **V.M.Sivakumar** "Hydrodynamic studies of cocurrent three phase fluidization using response surface method" –Chemical Engineering (Elixir International Journal) 65 (2013) 19934-19940.
32. **V.M.Sivakumar**, M. Thirumarimurugan, A. M. Xavier, A. Sivalingam, and T. Kannadasan "Colour Removal of Direct Red Dye Effluent by Adsorption Process Using Rice Husk" –International Journal of Bioscience, Biochemistry and Bioinformatics Vol.2 (6), 2012, 377-380.
33. M.Thirumarimurugan, **V.M.Sivakumar**, A.Merly Xavier, D. Prabhakaran, and T.Kannadasan "Preparation of Biodiesel from Sunflower Oil by Transesterification" – International Journal of Bioscience, Biochemistry and Bioinformatics Vol.2 (6), 2012, 443-447.
34. **V.M.Sivakumar**, A.Z.Abdullah, A.R.Mohamed, S.P.Chai "Optimized parameters for carbon nanotubes synthesis over Fe and Ni Catalysts via methane CVD" - Reviews on Advanced Materials Science Vol 27(1), 2011, 25-30.(ISI Thomson Reuters Impact Factor, 0.891).
35. **Sivakumar VM**, Abdul Rahman Mohamed, Ahmad Zuhairi Abdullah, Siang-Piao Chai"Role of reaction and factors of carbon nanotubes growth in chemical vapour decomposition process using methane – a highlight"- Journal of Nanomaterials, Article ID 395191, DOI:10.1155/2010/395191. (ISI Thomson Reuters Impact Factor, 1.023).
36. **V.M.Sivakumar**, Kok-Keong Lam, Abdul Rahman Mohamed "Synthesis of Carbon molecular sieve from palm shell using deposition of Polyfurfuryl alcohol" – Journal of the Korean chemical society, Vol 54(3), 2010, 323-328.
37. **V.M.Sivakumar**, A.Z.Abdullah, A.R.Mohamed, S.P.Chai "Influence of Fe/activated carbon catalyst and reaction parameters on methane decomposition during the synthesis of carbon nanotubes" – Chemical Papers, 64(6), 2010, 799-805.DOI: 10.2478/s11696-010-0066-y. (ISI Thomson Reuters Impact Factor, 0.791).

38. **V.M.Sivakumar**, A.Z.Abdullah, A.R.Mohamed, S.P.Chai “Studies on Carbon nanotubes synthesis via methane CVD process using CoOx as catalyst on Carbon supports” – Digest Journal of Nanomaterials and Biostructures, Vol 5(3), 2010, 691-698. (ISI Thomson Reuters Impact Factor, 1.75).
39. Siang-Piao Chai, Wei-Wen Liu, Kim-Yang Lee, Wei-Ming Yeoh, **V.M.Sivakumar**, Abdul Rahman Mohamed “Effect of FeOx loaded on CoOx/Al₂O₃ catalyst for the formation of thin-walled carbon nanotubes”– Materials Letters, Vol 63, 2009, 1428–1430. (ISI Thomson Reuters Impact Factor, 1.748).
40. Siang-Piao Chai, **V.M.Sivakumar**, Sharif Hussein Sharif Zein, Abdul Rahman Mohamed “The Examination of NiO and CoOx Catalysts Supported on Al₂O₃ and SiO₂ for Carbon Nanotubes Production via CCVD of Methane”– published in Carbon - Science & Technology, Vol.1,2008, 24-29.

CONFERENCES (International / National)

(B)Total Conference Proceedings: 44

1. Saranya SN, M.Thirumarimurugan, **V.M.Sivakumar** and G.C.Sowparnika, (2017), “Modeling and Control of Plate Type Heat Exchangers using PI and PID Controllers”, 2017 11th International Conference on Intelligent Systems and Control (ISCO), 5th and 6th January 2017, Karpagam College of Engineering, Coimbatore, pp.60-64
2. G.C.Sowparnika, M.Thirumarimurugan, **V.M.Sivakumar** and Saranya SN, (2016), “Modeling of Automatic Drug Delivery System to Control Mean Arterial Blood Pressure using PI and PID Controllers”, 2016 International Conference on Engineering and Technology (ICET), 16th& 17th December 2016, Coimbatore, pp.100-104.
3. Saranya SN, M.Thirumarimurugan, **V.M.Sivakumar** and G.C.Sowparnika, (2016), “An Analysis on Optimal Control of Shell and Tube Heat Exchanger using Various Controllers for Varying Time Delay and Disturbance”, 2016 International Conference on Engineering and Technology (ICET), 16th& 17th December 2016, Coimbatore, pp.245-249.
4. S.Gowthami, M.Thirumarimurugan, **V.M.Sivakumar** “Impending Heavy Metal Tolerance of Fungus Isolated From Dye Industrial Sludge” – National Conference on Recent Advances in Science and Engineering Research, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India during 18-19th March 2016
5. P.Ezhilkumar, **V.M.Sivakumar**, Yogasri “Biodegradation of formaldehyde using *Bacillus Subtilisin* batch process” –National Conference on Recent Advances in Science and Engineering Research, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India during 18-19th March 2016
6. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan “Facile Synthesis of Mg doped BiOCl Photocatalyst by a Novel One Step Solvothermal Method: Synthesis and Characterization” – National Conference on Recent Advances in Science and

Engineering Research, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India during 18-19th March 2016

7. V. Dinesh Kumar, **V. M. Sivakumar**, D. Mahalakshmi, M. Thirumarimurugan “Evaluation of series and parallel cascade using optimal controller” – National Conference on Recent trends in Electronics and Instrumentation Engineering (NCRE 2k16), India, 1-2nd March 2016
8. K.Saranya, M.Thirumarimurugan, **V.M.Sivakumar**, V.Manivasagan, S.Gowthami “In-vitro reduction of total chromium by using living biomass from the contaminated paint industrial effluent” 68th Annual Session of Indian Institute of Chemical Engineers, December 27-30th, IITGuwahati, India, 2015
9. S.Gowthami, M.Thirumarimurugan, **V.M.Sivakumar**, K.Saranya “Conversion of various toxic industrial solid wastes into resourceful product” 68th Annual Session of Indian Institute of Chemical Engineers, December 27-30th, IITGuwahati, India, 2015
10. A.Gouthaman, J Auslin Asir, **VM Sivakumar**, M Thirumarimurugan “Remediation of CarbonDioxide Gas Using Trickle Bed Reactor” 68th Annual Session of Indian Institute of Chemical Engineers, December 27-30th, IITGuwahati, India, 2015
11. V. Dinesh Kumar, **V. M. Sivakumar**, D. Mahalakshmi, M. Thirumarimurugan “Comparison of Series and Parallel Cascade using PI Controller” - Proceedings of the DRDO Sponsored 2ndInternational Conference on Electrical, Electronics, Instrumentation and Computer Communication (E²IC²2015), December 18-19th , 2015
12. Gowthami S, Thirumarimurugan M and **Sivakumar V M** “Potential utilization of Tannery Solid Waste (Steam Ground Leather Waste) in vermin-composting by heavy metals bioaccumulation characteristics of *Eudrilus Eugenia*” - International Conference on Advances in Chemical Engineering, December 20 – 22nd, 2015
13. V.Gaanapriya, M.Thirumarimurugan, **V.M.Sivakumar** “Performance comparison and kinetic studies of USAB and HUASB for treating municipal effluent” – International Conference on Green Technologies for Energy Management (ICGTEM“15), March 27-28th2015
14. B.Umamaheswari, M.Thirumarimurugan, **V.M.Sivakumar** “Comparison and kinetics studies on Sago effluent treatment using USAB and HUSAB reactor” –International Conference on Green Technologies for Energy Management (ICGTEM“15), March 27-28th2015
15. V.Gaanapriya M.Thirumarimurugan, **V.M.Sivakumar** “Performance comparison and kinetic studies of USAB and HUASB for treating dairy effluent” – 4thInternational Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World (ICTDAEEGW“15), February23-24th2015

16. B. Umamaheswari, M.Thirumarimurugan, **V.M.Sivakumar** "Comparison and kinetics studies on tannery effluent treatment using USAB and HUSAB reactor" – 4th International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World (ICTDAEEGW"15), February 23-24th 2015
17. S.Gowthami, M.Thirumarimurugan, **V.M.Sivakumar** "Removal of Chromium from synthetic solid waste by vermin composting using *Eisenia fetida*"– Proceedings of the International Conference on Water from Pollution to Purification (ICW 2015) Page 80, January 23-26th, 2015.
18. K.Saranya, M.Thirumarimurugan, **V.M.Sivakumar** "Studies on reduction of total chromium from effluent plant using *A.cepae*, *T.aurea*, *S.indica* leaves as biosorbent by immobilization technique" – Proceedings of the International Conference on Water from Pollution to Purification (ICW 2015) Page 109, January 23-26th, 2015.
19. A.Gnanaprakasam, **V.M.Sivakumar**, M.Thirumarimurugan, T.Kannadasan, "Optimization studies of biofuel synthesis from waste palm oil using calcium oxide as catalyst" – Proceedings of the International Conference on Advances in Chemical Engineering and Technology (ICAE TKMCE"14) pages 18-22, October 16-18th, 2014 (Elsevier Publications).
20. A.Gnanaprakasam, **V.M.Sivakumar**, PL.Sivayogavalli, M.Thirumarimurugan, "Characterization of TiO₂ and ZnO nanoparticles and their applications in photocatalytic degradation of azodyes" International Conference on Green Technology for Environmental pollution prevention and control (ICGTEPC 2014), 27-29th September 2014.
21. A.Gnanaprakasam, **V.M.Sivakumar**, A.Vasanthi, M.Thirumarimurugan, "Photocatalytic degradation of brilliant green and acid blue 40 dyes by using TiO₂ and N- TiO₂ under UV and visible light" International Conference on Green Technology for Environmental pollution prevention and control (ICGTEPC 2014), NIT Tiruchirappalli, 27-29th September 2014.
22. K.Saranya, M.Thirumarimurugan, **V.M.Sivakumar**, "Comparative studies on removal of hexavalent chromium using *A.cepae*, *T.aurea*, *H.rosa-sinensis*, *D.regia*, *S.indica* leaves as a biosorbent by immobilization technique in batch reactor" International Conference on Green Technology for Environmental pollution prevention and control (ICGTEPC 2014), NIT Tiruchirappalli, 27-29th September 2014.
23. S.Gowthami, M.Thirumarimurugan, **V.M.Sivakumar**, "Removal of Cr(VI) from tannery industrial solid waste by vermin composting method using *Eisenia fetida*" International Conference on Green Technology for Environmental pollution prevention and control (ICGTEPC 2014), NIT Tiruchirappalli, 27-29th September 2014.
24. PL.Sivayogavalli, A.Vasanthi, **V.M.Sivakumar**, T.Kannadasan, "Optimization of Microwave Assisted Extraction of Carbohydrates from Corn Pericarp", Indian Chemical Engineering Congress, Mumbai, December 27-30th, 2013.

25. A.Vasanthi, PL.Sivayogavalli, **V.M.Sivakumar**, T.Kannadasan, "Heat Exchanger Design Study Using Dynamic Simulator, Indian Chemical Engineering Congress, , Mumbai, December 27-30th, 2013.
26. S.P.Selvabharathi, **V.M.Sivakumar**, T.Viruthagiri, T.Kannadasan, "Peanut oil (groundnut oil) fats plitting using enzyme (soybean lecithin)", Indian Chemical Engineering Congress, Mumbai, December 27-30th, 2013.
27. S.P.Selvabharathi, **V.M.Sivakumar**, T.Kannadasan, "Comparison study for catalytic wet air oxidation of an azodye in trickle bed reactor", Indian Chemical Engineering Congress, Mumbai, December 27-30th, 2013.
28. D.Balakrishnan, S.Ananthan, Adithya Subramanian, V.P.MohanaJeya Valli, **V.M.Sivakumar**, T.Kannadasan, "Plant-Mediated synthesis of gold nanoparticles using sugar beet pulp", Indian Chemical Engineering Congress, Jalandhar, December 27-30, 2012.
29. S.Ananthan, Adithya Subramanian, D.Balakrishnan, V.P.Mohana Jeya Valli, **V.M.Sivakumar**, T.Kannadasan," Biosynthesis of silver nanowires using broth of cassia fistula lea", Indian Chemical Engineering Congress, Jalandhar, December 27-30, 2012.
30. Adithya Subramanian, D.Balakrishnan, S.Ananthan, V.P.Mohana Jeya Valli, **V.M.Sivakumar**, T.Kannadasan, "Treatment of cancer by using Hydrogen Peroxide", Indian Chemical Engineering Congress, Jalandhar, December 27-30, 2012.
31. A.Surendhar, **V.M.Sivakumar**, T.Kannadasan, "Cyclone separator- A first stage producer gas clean unit", Indian Chemical Engineering Congress, Jalandhar, December 27-30,2012.
32. **V.M.Sivakumar**, M.Thirumarimurugan, A.MerlyXavier, A.Sivalingam and T.Kannadasan "Colour removal of direct red dye effluent by adsorption process using rice husk" – APCBEES Sponsored International Conference on Future Bioengineering 2012" Bangkok, Thailand, 24-25Nov" 2012.
33. M.Thirumarimurugan, **V.M.Sivakumar**, A.Merly Xavier, D. Prabhakaran, and T.Kannadasan "Preparation of Biodiesel from Sunflower Oil by Transesterification" –APCBEES Sponsored International Conference on Future Bioengineering 2012" Bangkok, Thailand, 24-25 Nov" 2012.
34. **V.M.Sivakumar**, A.Z.Abdullah, A.R.Mohamed, S.P.Chai "Investigation of CoOx/AC Catalysts in Methane Chemical Vapour decomposition Process for Carbon Nanotubes (CNT) Synthesis" – IEEE Proceedings of the International Conference on *IVESC and NANO Carbon 2010*, Nanjing, China, 14-16 Oct"2010.
35. **V.M.Sivakumar**, A.Z.Abdullah, A.R.Mohamed and S.P.Chai "Optimized parameters for carbon nanotubes synthesis via chemical vapour decomposition of Methane over Active metal catalyst"– Proceedings of the International Conference on Nanoscience and Nanotechnology (*ICONN2010*), Chennai, India, 24-26 Feb"2010.

36. **Sivakumar VM**, Ahmad Zuhairi Abdullah, Abdul Rahman Mohamed "Different morphologies of Carbon nanotubes formed by CVD of methane over novel carbon supported metal catalyst"–*Chemical Engineering postgraduate colloquium 2009*, Bukit Jawi Golf Resort, Malaysia, 31 Oct -1 Nov"2009.
37. **Sivakumar VM**, Ahmad Zuhairi Abdullah, Abdul Rahman Mohamed "Single and multi-walled CNTs growth over Fe/Carbon catalyst by thermal CVD of methane" in *Cambridge– CNTsymposium'09*, St. John"s College, Cambridge, UK, 13 Nov"2009.
38. **Sivakumar VM**, Abdul Rahman Mohamed, Ahmad Zuhairi Abdullah, Siang-Piao Chai "Synthesis of carbon nanotubes over novel molecular sieve carbon supports by CVD of methane" *RSCE-SOMChE 2008* Conference, Impiana KLCC, Kuala Lumpur, Malaysia, 2-3Dec" 2008.
39. B.Balamurugan, **V.M.Sivakumar**, E.Ramasamy "Removal of heavy metals from aqueous solution using plantain stem fibre" Proceedings of the National conference on frontiers in Chemical engineering, *NCFCE-07*, IIT Guwahati, 12-14 Dec"2007.
40. P.Manikandan, **V.M.Sivakumar**, E.Ramasamy "Prediction of Corrosion rate in Petroleum Product: A mathematical modeling approach" Presented in the National Convention of Electrochemist (*NCE-12*) at Thiagarajar College of Engineering, Madurai, 18-19 Feb"2005.
41. **V.M.Sivakumar**, M.Thirumarimurugan, E.Ramasamy "Heat Transfer Studies in Agitated Vessel with Suspensions" Presented in the INDO-US International Conference jointly organized by IChE and AIChE at IIT BOMBAY, 28-30 Dec"2004.
42. **V.M.Sivakumar**, M.Thirumarimurugan, E.Ramasamy "Extraction of Fuel oil by Thermal Decomposition for the waste disposal of polymer plastic waste materials" Presented in the INDO-US International Conference jointly organized by IChE and AIChE at IIT BOMBAY, 28-30 Dec"2004.
43. K.Senthilkumar and **V.M.Sivakumar** "Techno-Economic Feasibility studies on the Characterization and Effective Utilization of a Solid waste" Published in the National Conference (*CHEMCON 2004*), IIT BOMBAY, 28-30 Dec"2004.
44. K.Senthilkumar and **V.M.Sivakumar** "Convince of Chemicals on size lessening of Materials" Published in the National Conference (*CHEMCON 2004*) Proceedings, IIT BOMBAY, 28-30Dec" 2004.

COURSE MODULE DEVELOPED:

- ❖ Prepared "Course module" for Cameron Manufacturing (India) Pvt. Ltd, Tidel Park collaboration Sakthi Excellence Academy, Coimbatore on the Subjects related to "**Oil and Gas Industry**" during the academic year 2014-2015.

HONOURS / AWARDS / PRIZES**(05)**

1. Recipient of “SANGGAR SANJUNG” prize from USM, Malaysia for the Publications in peer reviewed International Journals with Impact Factor for the year **2010**.
2. GOLD MEDAL for New Product Invention in the Project “Novel Production of Low Cost, High Quality Carbon Nanotubes” at Malaysia Technology Expo [*MTE 2009*], Kuala Lumpur, Malaysia Feb**2009**.
3. GOLD MEDAL for the Project entitled “Cost-effective production of multi-walled carbon nanotubes” as Co-researcher at “International Exhibition of ideas, Invention and Innovations” trade fair [*iENA 2009*] Germany Nov **2009**.
4. Research Assistantship - School of Chemical Engineering, Universiti Sains Malaysia (USM), Engineering Campus, Malaysia Apr 2007– Aug **2007**.
5. Recipient of Universiti Sains Malaysia -RESEARCH FELLOWSHIP at School of Chemical Engineering, USM, Malaysia for three consecutive academic years **2007-2010**.

FUNDED RESEARCH GRANTS:

International (Malaysia) : **02**
International (Norway) : **01**

GRANTS RECEIVED FROM FUNDING AGENCY

National (in India) : **02**
Research Proposals : **02** (submitted)
: **01** (Under Consideration in DST- SERB)

S. No	Project	Funding agency	Role	Amount	Status
1	Acidic gases removal using nanomaterial via adsorption (VAJRA)	DST, India	Principal Investigator	Rs. 54,55,000	Aug 2017 [Proposal Submitted]
2	Advanced Nano materials for Clean Energy Applications - A Joint collaborative project between Bergen University College, Norway and Coimbatore Institute of Technology, India	Research Council of Norway	Researcher	NOK 10,50,000	2015-2017
3	Development of Mesoporous heterogeneous catalysts	SERB,DST, India	Principal Investigator	Rs. 1,15,53,400	Dec 2014 [Proposal Submitted]

	for the waste water pollutants abatement by using advanced oxidation process (EMRF)				
4	Modernization of Chemical Reaction Engineering Laboratory (MODROBS)	AICTE, India	Co-coordinator	Rs. 10,50,000	2013 - 2014
5	Intellectual Patent Rights Awareness in E & IT Sector- National Level (Seminar)	Ministry of Communications & IT, India	Co-coordinator	Rs. 1,00,000	16 th Mar 2012
6	Catalyst development and its characterization (University - Research grant)	USM, Malaysia	Research Assistant	RM 750,000	Sep 2009- Dec 2010
7	Synthesis of carbon nanotubes using novel carbon molecular sieve supported catalyst	MOSTI, Malaysia	Research Assistant	RM 2,80,000	Oct 2007- Aug 2009

RESEARCH PROJECT GUIDANCE

Doctoral degree (PhD - Scholars)

- Completed : 02
- Ongoing : 09

S. No	Completed PhD Thesis	Name of the Scholar	Date of Viva-Voce Examination
1	Photocatalytic degradation of harmful waste pollutants from industries using Nanocatalysts	Mr.A.Gnanaprakasam	06.11.2017
2	Investigations on intelligent controllers for temperature and flow control of distillation column	Mr.V.Dinesh Kumar	06.10.2017

Masters Project (Completed: 12)

1. Treatment of Dairy Effluent In fluidized bed bioreactor using immobilized microalgae(2015-2016)
2. Degradation of Formaldehyde using bacterial species in batch reactor (2015-2016)
3. A simulation study on control strategies for the application of distillation column using parallel cascade controller (2015-2016)
4. Investigation on performance and kinetics of UASB with HUASB reactor for the treatment of Dairy and municipal effluent(2014-2015).

5. Preparation, Characterization and Photocatalytic activity of nano TiO₂, ZnO, Nitrogen doped ZnO for degradation of Acid Red 27 and Coralline Red F₃BS and their kinetic studies” (2013-2014)
6. Photo catalytic degradation of Brilliant Green and Acid Blue 40 Dyes by using nano TiO₂, N-TiO₂, Citrate –Silver under UV and Visible light (2013-2014)
7. Heat transfer studies on Newtonian and Non-Newtonian fluids using packed bed heat exchanger and simulation studies using ANSYS (2013-2014)
8. Prediction of heat transfer and flow distribution studies in a yogurt cooling room using computational fluid dynamics(2012-2013)
9. Optimization of parameters for biofuel synthesis from waste palm oil via transesterification by surface response methodology (2011-2012)
10. Treatment of Effluents by Using Plantain Stem fibre as Biomaterials (2005 - 2006)
11. Heat Transfer studies in an Agitated Vessel using Suspensions(2003 - 2004)
12. Prediction of Corrosion rate in Petroleum Product: A mathematical modeling approach (2004- 2005) - Work Carried out in Central Electrochemical Research Institute (CECRI)–CSIR Lab, Karaikudi, India.

GUEST LECTURES / INVITED SPEAKER

(12)

1. Invited speaker for the AICTE-QIP One week FDP on “Nanomaterials and their applications” Department of Physics, Coimbatore Institute of Technology, Coimbatore on 6th May 2016.
2. Invited speaker for the AICTE-QIP One week FDP on “Advanced Additive Manufacturing Technologies” Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore on 4th Feb 2016.
3. Invited speaker for the workshop on “Over view of Petroleum and Petrochemical Engineering” Department of Petrochemical Engineering, JCT College of Engineering and Technology, Coimbatore on 8th Sep 2015.
4. Invited speaker for the Faculty development programme on “**Mass Transfer Operations**” Organized by Department of Chemical Engineering, Erode Sengunthar Engineering College, Thudupathi, Erode District on 27th May 2014.
5. Invited speaker for the workshop on “**Avenues and Opportunities for Petrochemical and petroleum Engineers in India and abroad**” Department of Petrochemical Engineering, JCT College of Engineering and Technology, Coimbatore on 22nd Jan 2014.
6. Invited speaker for the workshop on TEQIP Sponsored Faculty Development Programme on “**Corporate Information Security and policies for Chemical and Allied Industries**” Organized by Department of Chemical Engineering, CIT, Coimbatore, India 17-21st Dec 2013.

7. Invited speaker for the TEQIP Sponsored short term Course on “**Integrating Energy and Environmental issues towards Cleaner Environment**” Organized by Department of Chemical Engineering and Chemistry, NIT, Tiruchirappalli, during 2- 3rd **Dec 2013**.
8. Invited speaker for the *Ministry of Earth Science* Sponsored National Seminar on “**Chemical Control Strategies and the contribution of Green Chemistry for sustainable development**” Department of Chemical Engineering, Kongu Engineering College, Perundurai, Erode - 638052,” on 16th **Mar 2013**.
9. Invited speaker for the workshop on “**Scope and Avenues of Petrochemical Engineers in developing countries**” Department of Petrochemical Engineering, JCT College of Engineering and Technology, Coimbatore on 14th **Aug 2012**.
10. Invited speaker for the *Council for Scientific and Industrial Research (CSIR)* Sponsored National Seminar on “**Application of Nanotechnology in Environmental Bio-processing**” Department of Chemical Engineering, Kongu Engineering College, Perundurai, Erode - 638 052 on 21st **July 2012**.
11. Invited speaker for the National Seminar on “**Geological Sequestration of Carbon-di-oxide(CO₂) and innovative green technologies to protect atmosphere**”, Sponsored by *Ministry of Earth Sciences, New Delhi* Organized at Erode Sengunthar Engineering College, Thudupathi, Erode District on 17th **Mar 2012**.
12. Invited speaker for the “**Green Engineering Concepts for Process design and Industrial Operations**” *Sponsored by All India Council for Technical Education (AICTE)*, Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, 7-13th **Nov 2011**.

SPONSORED - TRAINING PROGRAMME

(a) **Organized:** 06

1. AICTE Sponsored QIP One week Short term course on “Current Scenario in Nano and Biotechnological applications” 8th–14th April **2018** at Coimbatore Institute of Technology, India.
2. AICTE Sponsored Two week Short term course on “Recent Trends in Alternative and Renewable Energy technologies and Solid waste Management” 13th–26th Nov **2017** at Coimbatore Institute of Technology, India.
3. AICTE Sponsored QIP One week Short term course on “Occupational Health, Safety and security management in Engineering Industry” 7th–13th Dec **2015** at Coimbatore Institute of Technology, India.
4. UGC Sponsored Faculty Development Programme on “Synthesis, Characterization and Applications of Biomaterials” 20th–24th July **2015** at Coimbatore Institute of Technology, India.

5. AICTE Sponsored QIP One week Short term course on “Bio-Inspired Nanomaterials and Applications” 24th–30th Nov **2014** at Coimbatore Institute of Technology, India.
6. TEQIP (Technical Education Quality Improvement Programme) Sponsored One week Faculty Development Programme (FDP) on “Green Initiatives and Nanotechnology for Energy, Environment and Health” 19th–25th Sep **2014** at Coimbatore Institute of Technology, India.

SPONSORED - TRAINING PROGRAMME [ATTENDED]:

(17)

1. AICTE Sponsored Two week Faculty Development Programme on “Current Scenario in Advanced Material Science & Engineering (NANO-BIO 2017)” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, India 30th October–12th November **2017**
2. TEQIP – II Sponsored - Three day Faculty Development Programme on “ Outcome Based Education” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore in association with Centre for Education Technology (CET), IIT Kharagpur, India 4-6th November **2016**
3. TEQIP – II Sponsored- Two day Faculty Development Programme on “ Application of ANSYS in Heat Transfer” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 2 & 3rd September **2016**
4. AICTE Sponsored QIP One week Short term course on “Nanomaterials and their applications” Organized by Department of Physics, Coimbatore Institute of Technology, India 2nd– 8th May **2016**
5. AICTE Sponsored “Modern Trends, Challenges in Industrial Waste Water Treatment and Sludge disposal” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 8th- 14th Feb **2016**
6. AICTE Sponsored “Recent Trends in Energy, Environment and E-waste Management” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 2nd– 8th Nov **2015**
7. TEQIP – II Sponsored “Basic Pedagogy training : objective and outcome based education system – transforming engineering education to match global needs” Organized by EQUATE INDIA, New Delhi at Coimbatore Institute of Technology, India, 17th–19th Nov **2014**
8. TEQIP – II Sponsored FDP on “Recent Design Concepts of Heat transfer equipments in Refineries and Allied Industries” Organized by Department of Chemical Engineering, C.I.T, Coimbatore, India, 17th Aug **2013**
9. AICTE Sponsored “Green Engineering Concepts for Process design and Industrial Operations” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 7th–13th Nov **2011**

10. "Short Course in Catalysis - Heterogeneous Catalysis: An introduction to principles and Industrial applications" organized by School of Chemical Sciences, Universiti Sains Malaysia, P. Pinang, Malaysia, 4th–5thDec**2007**
11. "Research and Scientific writing" organized by Institute of Post-graduate studies, University Sains Malaysia, Bayview beach resort, Batu Ferringhi, Penang, Malaysia, 3rd– 4thNov**2007**
12. MHRD Sponsored "Nanoscience and Nanotechnology" organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, 6th–10th Dec**2006**
13. "Computational Fluid Dynamics and its applications" organized by School of Energy, PSG College of Technology, Coimbatore, India on 1stJul**2006**
14. AICTE- ISTE Sponsored "Electrochemical Treatment of Organic Effluents and Modeling of Electrochemical Reactors" organized at Coimbatore Institute of Technology (CIT), Coimbatore, India 14th–27th May**2004**
15. AICTE- ISTE Sponsored "Renewable Energy Sources and Conversion Technology" organized at Coimbatore Institute of Technology (CIT), Coimbatore, India 26th– 31st May**2003**
16. AICTE Sponsored "Modeling, Simulation and Analysis of Enhanced Distillation Processes" at Indian Institute of Technology (IITM), Madras, India 12th–16th May**2003**
17. AICTE-ISTE Sponsored "Biotechnology- Emerging Trends and Challenges Ahead" Sponsored by, at Annamalai University, Annamalai Nagar, India 11th– 22ndNov**2002**

SPONSORED -WORKSHOPS [ORGANIZED]:

(09)

1. TEQIP Phase II (Technical Education Quality Improvement Programme), India - Sponsored Two day Workshop on "New Challenges for Young Professionals in Materials Engineering" Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 6-7th October **2016. (Coordinator)**
2. AICTE Sponsored – QIP One day Refresher Course on "Industrial Effluent Treatment and Industrial Safety for Engineers" Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 13th Feb **2016. (Co- Coordinator)**
3. TEQIP Phase II (Technical Education Quality Improvement Programme), India – Sponsored One day Workshop on "Industrial Safety and Hazards" Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 25th Aug **2014. (Coordinator)**

4. TEQIP Phase II (Technical Education Quality Improvement Programme), India - Sponsored One day Workshop on “Biopolymers and Bioplastics” Organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 25th Sep **2014. (Coordinator)**
5. UGC Sponsored One day Workshop on “Industrial Lubricants and chemicals: Global Scenario & New Trends” in association with Indian Institute of Chemical Engineers (IChE), Coimbatore Regional Chapter, Coimbatore and Chemical Engineering Association, Organized by Department of Chemical Engineering, CIT, Coimbatore, India 21st Sep **2013. (Coordinator)**
6. One day Workshop on “Biomimetic Materials and Industrial Applications” Sponsored by Indian Institute of Chemical Engineers (IChE), Coimbatore Regional Chapter, Coimbatore and Chemical Engineering Association, Organized by Department of Chemical Engineering, CIT, Coimbatore, India 22nd Jun **2013. (Coordinator)**
7. One day Workshop on “Current Challenges in Oil, Gas and Allied Sectors” Sponsored by Indian Institute of Chemical Engineers (IChE), Coimbatore Regional Chapter, Coimbatore and Chemical Engineering Association, Organized by Department of Chemical Engineering, CIT, Coimbatore, India 22nd Mar **2012. (Coordinator)**
8. Ministry of Communication and IT Sponsored - One day National level Seminar on “Intellectual Property Rights Awareness in E & IT sector” Organized at CIT, Coimbatore, India 16th Mar **2012. (Co-coordinator)**
9. “IEEE sponsored International Pre-conference workshop on “Trends in Process Automation, Control & Computing”, organized by Coimbatore Institute of Technology (CIT), Coimbatore, India 18-19 Jul **2011. (Coordinator)**

SPONSORED -WORKSHOPS [ATTENDED]

(12)

1. TEQIP Sponsored Workshop on “Capacity Management Enhancement for Professors” Organized by The Coimbatore Productivity Council, at Kodaikanal, India 19th-21st Aug **2016.**
2. TEQIP Sponsored Faculty Development Programme on “Corporate Information Security and policies for Chemical and Allied Industries” Organized by Department of Chemical Engineering, CIT, Coimbatore, India 17th-21st Dec **2013.**
3. TEQIP Sponsored Faculty Development Programme on “Recent Design concepts of Heat transfer equipments in Refineries, Fertilizers and Allied Industries” Organized by Department of Chemical Engineering, CIT, Coimbatore, India 17th Aug **2013.**

4. Indo-US NSF workshop on “Sustainability in water and energy resources” organized by Department of Chemical Engineering, Indian Institute of Technology, Madras (IITM), India 27thDec **2011**.
5. “IBM High Performance Computing Road show” sponsored by IBM India Pvt. Ltd., organized by Coimbatore Institute of Technology (CIT), Coimbatore, India 8th–9thApr **2011**.
6. “Occupational safety and Health course” organized by Universiti Sains Malaysia (USM), Pulau Pinang, Malaysia, 28thFeb **2009**.
7. “Basic Nanomaterials Characterization” organized by Advanced Materials Research Centre (AMREC), SIRIM Berhad, Malaysia, 29th–31stOct **2008**.
8. “Synthesis and Characterization of Nanomaterials” organized by Advanced Materials Research Centre (AMREC), SIRIM Berhad, Malaysia, 29th– 30thJul **2008**.
9. “Scientific Writing, Research Design, Methodology and Data Analysis” at Institute of Post graduate studies (IPS), Universiti Sains Malaysia, Pulau Pinang, Malaysia, 13th - 28thJun **2007**.
10. “Nanotechnology- Materials and Methods” organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, India 22ndJun **2006**.
11. “Application of ASPEN PLUS in Process Simulation” organized by Department of Chemical Engineering, Sri Venkateswara College of Engineering (SVCE), Sriperumbudur, India 24th – 25thFeb **2006**.
12. “Treatment of Industrial Effluents” Sponsored by AICTE- New Delhi in association with the Indian Institute of Chemical Engineers organized by Department of Chemical Engineering, Coimbatore Institute of Technology, at Coimbatore, India on 18thDec **2004**.

Membership - Professional Societies/ Institutes

1. Life Member (LM - 44936), Indian Institute of Chemical Engineers (IChE), India
2. Senior Member (100625), Asia-Pacific Chemical, Biological & Environmental Engineering Society, Hong Kong
3. Associate Member (AM), Institute of Nanotechnology (IoN), United Kingdom

Editorial team

- Canadian Journal of Basic and Applied Sciences
- IGI Global Resources

Reviewer - International refereed Journals

- Journal of Alloys and Compounds
- Asia Pacific Journal of Chemical Engineering
- International Journal of Chemical Kinetics
- Bulletin of Material Science
- Polish Journal of Chemical Technology
- Journal of Nano Research
- Iranian Journal of Chemical Engineering
- Journal of Nanotechnology
- Current Nanoscience
- Journal of Taiwan Institute of Chemical Engineers
- Water Science and Technology

Extra-Curricular Activities

- TEQIP II – **Department Coordinator**– Chemical Engineering Department, C.I.T, Coimbatore, June 2013 – Till Date
- Board of Studies – **Department Coordinator** – Chemical Engineering Department, C.I.T, Coimbatore, June 2014 – Till Date
- Students chapter, **Faculty Coordinator** – Received Best Student Chapter– “Ambuja Award 2014” - Indian Institute of Chemical Engineers (IChE), Chandigarh, 27thDec 2014.
- **Faculty Advisor**- Indian Institute of Chemical Engineers (IChE), Students chapter, C.I.T, Coimbatore (July 2013–till date).
- **Honorary Treasurer**- Indian Institute of Chemical Engineers (IChE), Southern Region, Coimbatore Regional Centre, Coimbatore (2011–till date).
- **Staff Advisor** – “TECHNOVATION” –Inter College National level students’ symposium, Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore (2012 & 2013).
- **Staff Advisor** – Chemical Engineering Association, Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore (June 2011-March 2013).
- **Academic Faculty Advisor** (in-charge) for B.Tech (Chemical Engg) students Batch: 2011-2015.
- IBM – High performance computing Road show – Committee member, Coimbatore Institute of technology (2011).
- Panel member – Mock Interview programme – MARA – Junior Science College, Transkrian, Pulau Pinang, Malaysia (2010).

- Member – Chemical Engineering Post graduate Society (CEPS), School of Chemical Engineering, Universiti Sains Malaysia (USM), Pulau Pinang, Malaysia (2007–2010).
- Bowling Championship Trophy Winner – School of Chemical Engineering, Universiti Sains Malaysia (USM) –2008.
- **Staff Advisor** – Karate Club, Coimbatore Institute of Technology, Coimbatore (2004 - 2007).
- **Honorary Treasurer**–Indian Institute of Chemical Engineers, Southern Region, Coimbatore Regional Centre, Coimbatore (2004 - 2006).
- **Honorary Secretary**- Indian Institute of Chemical Engineers, Southern Region, Coimbatore Regional Centre, Coimbatore (2006 - 2007).

(V.M.SIVAKUMAR)