

**SSN College of Engineering**  
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**Publication of Research Papers in Refereed Journals - 2013**

1. **K. J. Jegadish Kumar**, S. Sathrapathi Sivaji, G.Y. Deepak, “ A Substitution Permutation Network Design using Cellular Automata For Cipher systems,” In International Journal of Advanced and Innovative Research (IJAIR) , Vol. 2, Issue. 1, No. 39, ISSN No. 2278 -7844, Jan 2013, pp 237- 243.
2. **K. J. Jegadish Kumar**, G.Y. Deepak, S. Sathrapathi Sivaji, “A Novel Cellular Automata Based Stream Cipher YUGAM: 128,” International Journal of Advanced and Innovative Research (IJAIR), Vol. 2, Issue. 1, No. 38, ISSN No. 2278-7844, Jan 2013, pp 231-236.
3. R. Revathy and **K.J.Jegadish Kumar**, "MEMS based top-loaded monopole antenna operating at 77 GHz for automotive radar system, "International Journal of Advanced and Innovative Research, IJAIR, Vol 2, Issue 3, ISSN: 2278-7844, March 2013, pp 417-421.
4. K.R Jaya Kumar, **S. Hanis**, published a paper titled “ Speckle Noise Reduction of SAR Images using Hybrid GMAP- Median Filter in International Journal of Advanced and Innovative Research Vo.2 Issue 3 ISSN:2278-7844, March 2013, pp 53-59
5. **K.T. Selvan**, “A simpler version of optimum pyramidal horn design equations,” IEEE Antennas and Propagation Magazine, vol. 55, no. 2, April 2013, pp 235-236.
6. Godwin Jacob D, **Karthika S**, "Performance analysis of MAC protocols in underwater communication by using optimum packet size," in the proceedings of International Journal of Advanced and Innovative Research, IJAIR 2013, Vol 2 Issue 3, ISSN: 2278-7844, April 2013, pp 584-590.
7. Kamesh M and **Karthika S**, "Performance improvement in underwater wireless sensor networks using MFBR technique with error control coding" in the proceedings of International Journal of Advanced and Innovative Research, IJAIR 2013, Vol 2 Issue 3, ISSN: 2278-7844, April 2013, pp 602-606.
8. **Prabagarane N**,Prasaanth M,Sabarish Karthik,Yuvika Ashwina R, Shriram S, “MUTP assisted uplink multi cell MIMO system with base station cooperation over frequency selective channels”, Elsevier -Computers and Electrical Engineering, Vol 39, issue 3, ISSN No: 0045-7906, April 2013, pp 1016-1025.
9. Shruthi R, **Prabagarane N**,Selvam PD,Sriram R,Nithin S, “Transmitter preprocessing assisted cooperative relaying with fixed infrastructure relays”, Elsevier -Computers and Electrical Engineering, Vol 39, issue 3, ISSN No: 0045-7906, April 2013, pp 996-1005.
10. **Muthumeenakshi.K and Radha.S**, "Distributed Cognitive Radio Spectrum Access with Imperfect Sensing using CTMC", International Journal of Distributed Sensor Networks, Volume 2013, Article ID 257801, 11 pages. ISSN NO: 1550-1329, April 2013.
11. Anbuselvi M, Salivahanan S, "Analysis of reduced complexity Nonbinary LDPC coding based on Matrix structure modifications" ,International review on modeling and simulation Vol 6. No.2, April 2013, pp 663-667.
12. K.J.Jegadish Kumar, K.Chenna Kesava Reddy, S.Salivahanan,"Improving Resistance Against attack of L2DCASKE Encryption algorithm by using RCA Rule 30 based S-Box", International journal of computer Applications, Volume-70-No:16, May 2013, pp 26- 30.

13. Kuttathatti Srinivasan Vishvakshenan, R.Seshasayanan and Yuvaraj Krishnamoorthy, "Performance of joint transmit scheme assisted multiple-input multiple-output multi-carrier IDMA system", Elsevier Journal of computers and Electrical Engineering, 2013, Vol.39, June 2013, pp 984-995.
14. S. J. Sugumar and R. Jayaparvathy, "An early warning system for elephant intrusion along the forest border areas", Current Science Journal, Vol. 104, No. 11, June 2013, pp 1515-1526.
15. Prabagarane N, Yuvika Ashwina R, Sabarish Karthik, Prasaanth M, "Performance of multi user transmitter preprocessing assisted MIMO system over correlated Frequency selective channel", Elsevier-Physical Communication, Vol 7, June 2013, ISSN No: 1874-4907, pp 61-72.
16. C.Y. Tan and K.T.Selvan, "A circularly polarized conical horn with an Inserted Metallic Cone-Sphere," IEEE Antennas and Propagation Magazine, Vol 55, No 3, June 2013, ISSN NO: 1045-9243, pp 146-154
17. G. Gnanagurunathan and K. T. Selvan, "Artificial magnetic conductors on wideband patch antenna," \*Progress in Electromagnetics Research Letters\*, Vol. 36, June 2013 ISSN NO: 1937-6480, pp 9-19
18. Y.Asnath Victry Phamila and R. Amutha, "Low complexity energy efficient very low bit-rate image compression scheme for wireless sensor network", Information Processing Letters (Elsevier), vol.113, no.18, June 2013, ISSN No: 0020-0190, pp 672-676
19. Kuttathatti Srinivasan Vishvakshenan, R.Seshasayanan and Yuvaraj Krishnamoorthy, "Performance of joint transmit scheme assisted multiple-input multiple-output multi-carrier IDMA system", Elsevier Journal of computers and Electrical Engineering, 2013, Vol.39, June 2013, pp 984-995.
20. Florence Monica and Venkateswaran, "Algorithm for Image Scale-Up using Sparse Signal Processing", International Journal of Electronics and Communication Technologies (IJECT), vol.4, no.2, July 2013, pp 150-155.
21. Ganesh.S, R.Amutha "Efficient and Secure Routing Protocol for Wireless Sensor Networks through SNR based Dynamic Clustering Mechanism" Journal of Communication and Networks, Vol. 15, No. 4, pp 422 -429, Aug 2013 ISSN: 1229-2370 (Print), ISSN: 1976-5541 (Online).
22. S. Joseph Gladwin, S. Salivahanan, "VLSI Implementation of Channel Estimation for MIMO-OFDM Transceiver", American Journal of Applied Sciences, Volume 10, Issue 10, 2013 DOI : 10.3844/ajassp, Sep 2013.1280.1286, pp 1280-1286.
23. K. J. Jegadish Kumar, K. Chenna Kesava Reddy, S. Salivahanan, S. D. Karthik, V. Praveen, "Exclusive -128 Bit NLFSR Stream Cipher for Wireless Sensor Network Applications," International Journal of Engineering and Technology, Volume 5, No. 5, OCT-NOV 2013, pp 3668-3675.
24. Yesudhas Asnath Victry Phamila; Ramachandran Amutha , "Low-complex energy-aware image communication in visual sensor networks", Journal of Electronic Imaging, 22 (4), 041107, Oct 2013.
25. Muthulingam Seenuvasan, Carlin Geor Malar, Sridhar Preethi, Nagarajan Balaji, Jeyaraj Iyyappan, Madhava Anil Kumar, K.Sathish Kumar, "Fabrication, characterization and application of pectin degrading Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub> nanobiocatalyst", Material science and Engineering C, Vol.33, 2273-2279, 2013. (IF – 2.596)

26. A.Robin, V.A.Veni, M.Thanigaivel, J.Madhusudhanan and K.Sathish Kumar, "Biofunctionlaised nanoparticle for drug delivery", Research Journal of Biotechnology, Vol.8, issue 4, pp.70-77, 2013. (IF- 0.294)
27. Muthulingam Seenuvasan, Carlin Geor Malar, Sridhar Preethi, Nagarajan Balaji, Jayaraj Iyyappan, Anil Kumar, K.Sathish Kumar, "Immobilization of pectinase on co-precipitated magnetic nanoparticles for enhanced stability and activity", Research Journal of Biotechnology, Vol.8, issue 5, pp.24-30, 2013. (IF -0.294).
28. Madhu Bala Sathyanarayanan, Reneta Balachandranath, Yuvasri Genji Srinivasulu, Sathish Kumar Kannaiyan, and Guruprakash Subbiahdoss, "The Effect of Gold and Iron-Oxide Nanoparticles on Biofilm-Forming Pathogens" ISRN microbiology, Volume 2013, Article ID 272086, <http://dx.doi.org/10.1155/2013/272086>. (ISSN : 2090 7478).
29. B.Chitra, K.Sathish Kumar, D.Manoj and S.Mohan Kumar, "Experimental study to enhance the thermal conductivity of Nanofluid", Research Journal of Engineering and Technology, Volume 4, issue 4, 272-279, 2013. (ISSN: 0976 2973).
30. P.Shekar, G.Krithiga devi and K.Sathish Kumar, "Analysis of lymphoma neoplasm and their phenotypes", Research Journal of Engineering and Technology, Vol.4, issue 4, 191-195, 2013 (ISSN:0976 2973).
31. P. Rajkumar, P. Senthil Kumar, S. Dinesh Kirupha, T. Vidhyadevi, J. Nandagopal, S. Sivanesan, "Adsorption of Pb(II) ions onto surface modified Guazuma ulmifolia seeds and Batch adsorber design", - Environmental Progress & Sustainable Energy Vol. 32, Issue No. 2, pp 307 -316, 2013, IF: 1.649.
32. C. Senthamarai, P. Senthil Kumar, M. Priyadharshini, P. Vijayalakshmi, V. Vinoth kumar, P. Baskaralingam, K.V. Thiruvenkadaravi, S. Sivanesan, "Adsorption Behavior of Methylene Blue Dye onto Surface Modified Strychnos potatorum Seeds" - Environmental Progress & Sustainable Energy, Vol. 32, Issue No. 3, pp 624 -632, 2013 IF: 1.649.
33. P. Senthil Kumar, C. Senthamarai, A.S.L. Sai Deepthi, R. Bharani, "Adsorption isotherms, kinetics and mechanism of Pb(II) ions removal from aqueous solution using chemically modified agricultural waste", - The Canadian Journal of Chemical Engineering, Vol. 91, pp 1950 -1956, 2013, IF: 1.003.
34. P. Senthil Kumar, A.S.L. Sai Deepthi, R. Bharani, C. Prabhakaran, "Adsorption of Cu(II), Cd(II) and Ni(II) ions from aqueous solution by unmodified Strychnos potatorum seeds", - European Journal of Environmental and Civil Engineering Vol. 17, Issue No. 4, pp 293 -314, 2013 IF: 0.332.
35. M.P. Premkumar, V. Vinoth Kumar, P. Senthil Kumar, P. Baskaralingam, V. Sathyaselvabala, T. Vidhyadevi, S. Sivanesan, "Kinetic and Equilibrium Studies on the Biosorption of Textile Dyes onto Plantago ovata seeds", - Korean Journal of Chemical Engineering, Vol. 30, Issue No. 6, pp 1248-1256, 2013 IF: 1.059.
36. P. Senthil Kumar, "Adsorption of Zn(II) ions from aqueous environment by surface modified Strychnos potatorum seeds, a low cost adsorbent", - Polish Journal of Chemical Technology, Vol. 15, Issue No. 3, pp 35 – 41,2013 IF: 0.444.
37. P. Senthil Kumar, S. Ramalingam, "Process optimization studies of Congo red dye adsorption onto cashew nut shell using response surface methodology", - International Journal of Industrial Chemistry, Vol. 17, Issue No. 4, pp 1 -10, 2013 Springer link. ISSN 2228-5547.
38. D. Ramya, K.R. Varsha, V. Ranjitha, P. Senthil Kumar, V. Vinoth Kumar, "Magnetic Nanoparticles as Versatile Carriers for Immobilization of Laccase", - Research Journal of Engineering & Technology, Vol. 4, Issue No. 4, pp 279 -283, 2013. ISSN.

39. D. Gnana Prakash, S. Thenesh Kumar and N. Nagendra Gandhi, "Enhancement of solubility and mass transfer coefficient of benzoic acid through hydrotrophy" , Polish Journal of Chemical Technology, Vol: 15 (1), 2013 PP. 46-50, Impact Factor: 0.44.
40. Modepalli Susree, P. Asaithambi, R. Saravanathamizhan, Manickam Matheswaran, "Studies on various mode of electrochemical reactor operation for the treatment of distillery effluent", Journal of Environmental Chemical Engineering 1 (2013) 552–558, ISSN: 2213-3437.
41. A.K.Parvathy and V.Kamaraj, "Explicit necessary and sufficient conditions for Quadratic linearization" Asian Journal of Control, Wiley, Vol.15, Issue1, Jan.2013.Impact Factor: 1.034.
42. C.K.Kannan and V.Kamaraj, " Sensoreless based speed control of Switched Reluctance Drive using an artificial neural network and field programmable analogue array for automotive applications", Australian Journal of Electrical and Electronics Engineering, Vol 10 No 3, (2013) ISSN:1448-837X(jan)
43. Ram Meenakshi,RanganathMuthu, "An Overview of Power Point Tracking Techniques for Wind Energy Conversion Systems", Advanced Materials Research, Vols. 622-623, January 2013, pp. 1030-1034 (SNIP 0.158, SJR 0.030).
44. Nirmala S. A., VeenaAbirami and RanganathMuthu, "A comparative study of linear model predictive control strategies for Multi-Drug Infusion Control for critical care patients", Wulfenia Journal Vol. 20, No. 4, pp. 248-258 April 2013(0.267).
45. Nalin Kant Mohanty and RanganathMuthu , "Simulation and Experimental Based Four Switch Inverter Fed Induction Motor Drive World Journal of Modelling& Simulation, Vol. 9 (2013), No. 2, pp. 83-86 April – June SNIP 0.203, SJR, 0.027.
46. S. Vishnuvardhan, S. S. Sudharshan, K. Murugesan and RanganathMuthu , "Design of D-STATCOM for Power Factor Correction in a Medium Transmission Line Using Vector Based Hysterisis Current Controller ",International Review on Modelling and Simulations", Vol. 6, No. 2, pp. 498-503, April 2013 SNIP 1.199
47. T. Porselvi and RanganathMuthu, "Modeling and Control of the PMSG for the Wind Energy Conversion System with the CHB Inverter with the New Selective Harmonic Elimination Technique",International Review on Modelling and Simulations, Vol. 6, No. 3, pp. 767-773June 2013 SNIP 1.199.
48. D.Vinodini, V.Vasanprabhu, V.Rajini," Design and Analysis of Digital PWM Controller for DC- DC Power Converter", International Journal of Computer Applications (0975 – 8887),Volume 65– No.12, March 2013
49. Subramoni, V.Rajini," Local Binary pattern approach for the classification of osteoarthritis in knee –Xray images", Asian Journal of scientific research, Vol. 6, No,3, 2013. ISSN 1992-1451, June0.3923/ajsr2013. ( 0.507 Annexure 2)
50. R.Deepalaxmi, M.Balaji, V.Rajini," Particle Swarm Optimization Based Selection of Optimal Polymeric Blend", IEEE Transactions on Dielectrics and Electrical Insulation, Vol.20. No 3, pp 922-931,June 2013, (0.9Annexure 1)
51. B. ShanthiSaravanal, V.Rajini," Application of wind energy source to Large scale desalination system Prefeasibility analysis- Investigation of wind power potential in coastal areas of Tamilnadu", International journal of Advanced Materials Research, Vol. 768 (2013) pp 57-63,ISSN 1022-6680 June 2013, (0.03 Annexure 2)
52. M. Subramoniam, V.Rajini," Computer aided diagnosis of osteoarthritis iin knee X-Ray images using haralick features", Jokull Journal, Vol 63,No 8, Aug 2013, (ISSN:0449-0576)( 1.62 Annexure 1)

53. K. N. Dineshababu, R. Ramaprabha V. Rajini and Kamal Bansal,” Analysis of Synchronization Techniques for Photovoltaic Fed Grid Systems”, WulfeniaJournal ,Vol. 20, No. 5. pp. 326-337, May 2013,(ISSN: 1561-882x) (0.267 Annexure 1)
54. S. Krishnaveni , V.Rajini,” Design and simulation of high voltage nano second pulse generator”, Journal of emerging Technologies in Electrical Engg, special issue ICBDM 2013, ISSN:0973-2993
55. Ganesan P , DrV.Rajini,” Segmentation and Denoising of Noisy Satellite Images based on Modified Fuzzy C Means Clustering and Discrete Wavelet Transform for Information Retrieval”, International Journal of Engineering and Technology, Vol 5, No 5, Oct-2013,pp 3858-3868,ISSN : 0975-4024 , ( 0.05Annexure 2)
56. M.Subramoniam, V.Rajini,” Diagnosis of Arthritis from Digital X-Ray Images Using Svm Classifier”, PARIPEX, Indian journal of research, Vol3, Issue 5, June 2013, ISSN 2250-1991
57. M. Subramoniam, V.Rajini,” Support Vector Machine Approach for the Diagnosis of Arthritis From Digital X-Ray Images Using Local Ternary Pattern”, Indian journal of applied research,Volume : 3 ,Issue : 9 , Sept 2013, ISSN - 2249-555X
58. V.VasanPrabhu, Dr.V.Rajini,” Investigation of Non Linear Dynamic characteristics of 8/6 Switched Reluctance motor drive for variable speed applications - Modeling and Implementation”, international review on modeling and simulations(IREMOS), vol.6 , no 4, AUG 2013 ,ISSN 1974-9821 ( 0.05Annexure 2)
59. Ganesan, P., and V.Rajini. “ Image Quality Parameters for the Analysis of Segmentation of Satellite Images in Two Different Color Spaces”, Indian Stream Research Journal, Vol III, Issue IX, October 2013, pp.3138-3147. (ISSN- 2230-7850) .
60. R.Seyezhai, &A.BharathiSankar Investigation of PMSG fed Diode-Clamped Multilevel Inverter for Wind Energy System Advanced Materials Research (AMR) (ISSN: 1022- 6680) Vol. 768, June 2013 SJR Impact factor 0.03
61. R.Seyezhai, , K.Radhasree, Sivapathy&V.VarhdamanAnalysisand Experimentation of aThree Phase Asymmetric Cascaded Multilevel Inverter for Electric VehiclesAdvanced Materials Research (AMR) (ISSN: 1022- 6680) Vol. 768, June 2013 SJR Impact factor 0.03
62. R.Seyezhai, &M.Tamilarasi Simulation and Hardware and Implementation of Directly Coupled Four Phase Interleaved Boost Converter for Fuel Cells Advanced Materials Research (AMR) (ISSN: 1022- 6680) Vol. 768, June 2013 SJR Impact factor 0.03
63. R.Seyezhai&V.Chamundeeswari Dynamic Analysis and Parameter Evaluation of Negative output SuperliftLuo Converter Wulfenia Journal No: 6, Vol.20, June 2013. SJR Impact factor 0.267
64. R.Seyezhai&T.Tamizhselvan Performance Study of Fundamental frequency & PWM switching of Hybrid Multilevel Inverter for Fuel Cells WulfeniaJournal,No: 6, Vol.20, June 2013. SJR Impact factor 0.267
65. R.Seyezhai and T.Saravanan&V.Venkatesh Current mode Hysteresis Control of Split capacitor Type Elementary additional series Positive output SuperliftLuo Converter European journal of social Sciences Vol. 38, No: 1, April 2013, pp.117-123 Impact Factor : 0.436
66. V. Chamundeeswari, R. Seyezhai and A. Arul Robin Implementation of Digital control for Negative Output SuperliftLuo Converter European Journal of Scientific Research Vol. 94 No 3 January, 2013 (SNIP 0.493, SJR 0.033)

67. M.Sudhakaran and R.Seyezhai Analysis of level shifted PWM techniques for a three phase nine-level inverter European Journal of Scientific Research, ISSN 1450-216X Vol. 95 No 1 January, 2013, pp.76-88 (SNIP 0.493, SJR 0.033)
68. T.Tamizhselvan and R.Seyezhai, A comparative study of multiple reference and multiple carrier pwm technique for a hybrid multilevel inverter European Journal of Scientific Research, ISSN 1450-216X Vol. 94 No 3 January, 2013, pp.414-422(SNIP 0.493, SJR 0.033)
69. R.Seyezhai and Inbarexy A Comparative Study of Active Power Factor Correction AC-DC Converters For Electric Vehicle Applications ARPN Journal of Engineering and Applied Sciences Vol.8, no: 9, September 2013, ISSN 1819-6608, (Impact factor : 0.05 ).
70. M.Sudhakaran and R.Seyezhai, "Simulation of Phase Shift PWM Technique for a Three-phase Nine level Cascaded MLI", Indian Streams Research Journal,. April 2013, ISSN :2230-7850 ISSN :2230-7850.(Published in India)
71. R.Seyezhai, K.Abhinaya, V.Akshaya&U.Induja, " Simulation Analysis and development of PV fed Quasi Impedance Source Inverter" International Journal of Electrical & electronics Engineering, Vol.3, Issue3, July 2013 ISSN 2250-155X,JCC Impact Factor : 5.6(Published in India)
72. R.Seyezhai, R.Anitha, S.Mahalakshmi&S.Bhavani Simulation and Implementation of High Gain Interleaved Boost Converter for Fuel Cell Applications International Journal of Innovative Research In Computer and Communication Engineering Vol.1, Issue, 5, July 2013. ISSN : 2320-9798.(Published in India)
73. R.Seyezhai, G.Ramathilagam, P.Chitra, V.Venila Investigation of Half-Bridge LLC Resonant DC-DC Converter for Photovoltaic Applications International Journal of Innovative Research in Electrical, Electronics Instrumentation and Control Engineering Volume 1, Issue 3, June 2013, ,pp. 76- 81.ISSN 2321-2004, ISSN 2321-5526,(Published in India)
74. R.Seyezhai,B.Savitha,PriyaaGomathi, "Simulation and Implementation of a seven-level Multistring Multilevel inverter for Fuel cell applications", International journal of innovative technology and research, Volume No. 1, Issue No. 5, August -September 2013, 380 - 385.ISSN 2320 -5547(Published abroad)
75. R.Seyezhai, AbhinayaVenkatesan, M.Ishwarya&K.Gayathri, "Analysis of Current Control Techniques on Bridgeless Interleaved Boost DC-DC Converter to Improve Power Quality", International Journal of Scientific Research in Computer Science and Engineering Vol.1, Issue,4, September 2013, pp.44-49 ISSN :2320-7639.
76. R.Seyezhai, MounicaGaunta, Pallamreddy,Nirupa and ThimmadiAkshitha, "Design and Simulation Of PWM Fed Two-Phase Interleaved Boost Converter For Renewable Energy Source", International Journal of Electrical, Electronics and Data Communication,Vol.1, Issue-1, 2013 ISSN (print) : 2320-2084.
77. R.Seyezhai, AbhinayaVenkatesan, Aiswarya Mohan and Gayathri, "Comparative Study Of Active Power Factor Correction in AC-DC Converters", International Journal of Electrical, Electronics and Data Communication, Vol.1, Issue-1, 2013 ISSN (print): 2320-2084.
78. R.Seyezhai and M.Tamilarasi, "Analysis and design of Directly coupled Interleaved Boost Converter for Fuel Cell International", Journal of Mathematical Sciences and Engineering Vol-2, Issue-1, May 2013, pp.32-40 ISSN : 2045-7057
79. R.Seyezhai, &A.BharathiSankar, " MATLAB Simulation of Power Electronic Converter for PMSG Based Wind Energy Conversion System",International Journal of Innovative

80. M. Venmathi and R. Ramaprabha, "A comprehensive survey on multi-port bidirectional DC-DC converters for renewable energy systems", ARPN Journal of Engineering and Applied Sciences , Vol. 8, No.5, pp. 348-356 , May 2013. SJR Impact factor 0.13
81. R. Ramaprabha, K. Balaji, S. Bhargav Rajand V. D. Logeshwaran, "Comparison of Interleaved Boost Converter Configurations for Solar Photovoltaic System Interface", Journal of Engineering Research, Vol. 10, No. 2, pp. 87-98, TJER 2013. SJR Impact factor 0.11.
82. S. Malathy and R. Ramaprabha, "Maximum Power Point Tracking Based on Look up Table Approach", Advanced Materials Research, Vol. 768, pp. 124-130, 2013. SJR Impact factor 0.14.
83. M. Venmathi and R. Ramaprabha, "Analysis of Three Port Full Bridge and Half Bridge DC-DC Converter Interfacing Renewable Energy System", Advanced Materials Research Vol. 768, pp. 3-8 , 2013. SJR Impact factor 0.14.
84. M. Pandikumar, R. Ramaprabha and RanganathMuthu, "Design and Modeling of Photovoltaic System Fed Brushless DC Motor" Advanced Materials Research, Vol. 768, pp. 136-142, 2013. SJR Impact factor 0.14.
85. G. Ramya and R. Ramaprabha, "Implementation of Soft Switching Two Phase Boost Converter for Photovoltaic System", International Journal of Advanced Research inElectrical, Electronics and Instrumentation Engineering, Vol. 2, No. 6, pp. 2240-2246, June 2013.
86. G. Shobana, P. Sornadeepika and R. Ramaprabha, "Global Maximum Power Point Tracking of Photovoltaic Array under Partial Shaded Conditions", International Journal of Engineering Research, Vol. 2 , No. 3, pp. 223-227 , July 2013.
87. B. S. Dhivya, V. Krishnan, R. Arvind and R. Ramaprabha, "Design of Power Converters for Solar Fencing System Employed in Agriculture", International Journal of Scientific Engineering and Technology, Vol. 2, No. 7, pp. 724-728, July 2013.
88. B. Angeline Jerusha, S. AnuVadhana, A. ArrulDhanaMathy and R. Ramaprabha, "Comparative Study of Hard Switching and Soft Switching Boost Converter Fed from a PV Source", International Journal of Engineering Research, Vol. 2 , No. 5, pp. 328-331 , Sep 2013.
89. MrunalDeshpande , "Optimization of Magnetic Levitation System", International Journal of Engineering Research and Development, Vol.8, Issue-7,(ISSN: 2278-067X),Sept 2013,pg 69-74.
90. MrunalDeshpande , "LC Tuned Magnetic Levitation System British Journal of Applied Science & Technology, Vol4, Issue-3 (ISSN: 2231-0843) 11 Nov 2013 pg 568-577.
91. S.V.Siva priya and S.R.Gandhi,"Experimental and Numerical behavior of Single Pile Subjected to Lateral Load",Indian Geotechnical Journal, Springer, Vol.43. No.1, 2013, pp 105-114.
92. B.Mahalingam and K.Nagamani,"The Influence of processed Fly ash on the Properties of Self Compacting Concrete in Fresh and Hardened State", Journal of Structural Engineering, SERC, Vol.39,No.6, February-March 2013, pp 647-658.
93. A. Rajalakshmi, K.V. Kanagasabapathy, M.V.R. Prasad , K.K. Satpathy The analytical investigations of ancient pottery from Kaveripakkam, Vellore dist, Tamilnadu by

spectroscopic techniques *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 121 (2014) 457–463

94. A. Naseerutheen<sup>1</sup>, R. Ravisankar, A. Rajalakshmi, G. Raja Annamalai A. Chandrasekaran FT-IR spectroscopic studies of Ancient Pottery from Kaveripakkam, Vellore Dist, Tamilnadu, India *International Journal of Chemical Studies* Vol. 1 No. 4, 2013
95. P.G.V. Ramesh, P. Nair, "A multi-layer approach for load balancing in optical burst switching networks", *Optik - Int. J. Light Electron Opt.* (Elsevier), Vol 124, No.17, September (2013), pg 2602-2607, ISSN: 0030-4026, IF 0.524.
96. V.Vijayabaskar, V.Rajendran, Mathews M Philip, "Frequency Domain Based Approach for Denoising the Underwater Acoustic Signal using EMD", *Journal of Intelligent Systems*, Vol.22, 2013, pp.67-80.
97. V. G. Sivakumar, V.Rajendran, "Ambient noise Coherence properties detection for various Hydrophone Spacing", *International Journal of Computer Science and Information Security*, Vol.11, No.2, Feb. 2013, pp.54-58.
98. V. G. Sivakumar, V.Rajendran, "Coherence properties estimation for various ocean depth", *Indian Journal of Computer Science and Engineering*, Vol.4, No.2, Apr-May. 2013, pp.80-85.
99. V. G. Sivakumar, V.Rajendran, Sailaja.M, "Ocean Ambient noise and its directionality measurements", *IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)*, Vol.2, No.1, Mar-Apr. 2013, pp.38-44.
100. V. G. Sivakumar, V.Rajendran, R.Saranya, "Comparison and Analysis of Vertical Coherence in the shallow water in two Ocean regions", *American Journal of Applied Sciences*, Vol.10, No.6, 2013, pp.542-548.
101. D. Sajan , K. Chaitanya , K. Safakath, Reji Philip, T. Suthan, N.P. Rajesh "Three-photon absorption and vibrational spectroscopic study of 2-methylamino-5-chlorobenzophenone " *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 106 (2013), pp 106, 253–261.
102. Julie Charles, 'Spectroscopic, thermal, impedance and hardness studies on uncured and cured Silicon rubber', *International Journal of Emerging Technologies in Computational and Applied Sciences*, Volume 3, Issue 4, pp. 263-268, May 2013.
103. Ramkumaar G.R, Bhoopathy T.J, Gunasekaran S, Gokilan C, Srinivasan S and Julie Charles, 'Experimental and theoretical investigation and NBO Analysis on the structure of Efavirenz HIV drug', *International Journal of Chem Tech Research*, Volume 5, No.5, pp. 2563-2574, September 2013
104. Ramkumaar G.R, Srinivasan S, Bhoopathy T.J, Gunasekaran S, Julie Charles, Ramesh J, 'Molecular structure, vibrational spectra, UV-vis, NBO and NMR analyses on nevirapine using ab initio DFT methods', *Journal of theoretical and Applied Physics*, Volume 7, No.51, pp. 1-14, September 2013.
105. P. Rajesh, P. Ramasamy, G. Bhagavannarayana, "Growth of ADP–KDP mixed crystal and its optical, mechanical, dielectric, piezoelectric and laser damage threshold studies" *Journal of Crystal Growth*, Volume 362, 1 pp 338-342, 2013
106. P. Rajesh, A. Silambarasan, P. Ramasamy, "Effect of crystal violet dye on the optical, dielectric, thermal and mechanical properties of <0 0 1> directed KDP single crystal" *Materials Research Bulletin*, Volume 49, January 2014, Pages 640-644
107. K. Boopathi, P. Rajesh, P. Ramasamy, Prapun Manyum "Comparative studies of glycine added potassium dihydrogen phosphate single crystals grown by conventional and



- Sankaranaryanan–Ramasamy methods” *Optical Materials*, Volume 35, Issue 5, pp. 954- 961, 2013
108. S.R. Thilagavathy, P. Rajesh, P. Ramasamy, K. Ambujam “A study on Fourier transform infrared spectroscopy, thermal, mechanical, NLO and laser damage properties on unidirectional Glycinium Picrate Mono Glycine crystal”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 115, pp. 747-752, 2013
  109. P Rajesh, P Ramasamy, “Development of high quality, direction controlled ADP single crystals and the effect of impurities on their growth” *AIP Conference Proceedings* 1512, 868, 2013
  110. K Boopathi, P Rajesh, P Ramasamy “Unidirectional growth of potassium hydrogen malate single crystals and its characterizations on optical, mechanical, dielectric, laser damage threshold studies” *AIP Conference Proceedings* 1512, 874, 2013
  111. A. Silambarasan, P. Rajesh, P. Ramasamy, “Synthesis, growth, structural, optical and thermal properties of an organic single crystal: 4-Nitroaniline 4-aminobenzoic acid”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 118, 24 pp 24-27, 2014
  112. B.Praba and R.Mohan, Rough Lattice, *International Journal of Fuzzy Mathematics and Systems*, Vol. 3, No.2, pp. 135-151 August, 2013.
  113. R. Sujatha, T. M. Rajalaxmi And B. Praba, Fuzzy Hidden Markov Chain for Web Applications, *International Journal of Information Technology & Decision Making* Vol. 12, No. 4, pp.813-835, July 2013.
  114. S. Srikrishna and B. Praba, Steady State Fuzzy Probability Distribution of Fuzzy Semi-Markov Model, *International Review of Applied Engineering Research*, Volume 3, No.2, pp. 137-146, August 2013.
  115. R. Sundara Rajan, Indra Rajasingh, T.M. Rajalaxmi and N. Parthiban, "Embedding of Circulant Networks into k-rooted Sibling Trees", *International Journal of Pure and Applied Mathematics*, vol. 86, pp. 1005 - 1012, May 2013.
  116. A.VijayaKumar and S.Sophia, Stationary solution to a tandem fluid queue with input controlled by exponential times, *International Journal of Operations Research*, Vol.18, No.1, pp.71-90, July 2013.
  117. Kalavani Chandran and Roopkumar Rajakumar, Fuzzy proper functions and net convergence in smooth fuzzy topological spaces, Vol.6, No.3, pp.705-726, November 2013.
  118. R. Saritha, Prime and Semiprime Bi-ideals in Ordered Semigroups, *International Journal of Algebra*, Vol. 7, 2013, no. 17, 839 – 845, December 2013.
  119. K.Subbaiah, M.Geetha, B.Shanmugarajan and S.R.Koteswara Rao, ‘Effect of welding speed on CO2 laser beam welded Aluminium-Magnesium alloy 5083 in H321 condition’, *Advanced Materials Research*, Vol.685, pp. 259–263, 2013
  120. Vijay Sekar K.S., Pradeep Kumar M, ‘Flow stress optimization for machining simulations’, *Advanced Materials Research*, Vol: 622-623, pp 91-98, 2013
  121. M.Suresh and A.Mani, ‘Performance evaluation of R134a/DMF based vapour absorption refrigeration system’, *Heat Transfer Engineering*, vol. 34, No.11-12, pp.976-984, 2013
  122. M.Suresh and A.Mani, ‘Heat and mass transfer studies on a compact bubble absorber in R134a-DMF based vapour absorption refrigeration system’, *International Journal of Refrigeration*, vol. 36, No.3, pp.1004-1013, 2013

123. R.Bharath Viswanath, Mukilan S.Michael and M.Suresh, 'Thermodynamic analysis of a heat pipe-thermal jet refrigeration system', Asian Journal of Scientific Research, vol. 6, No.2, pp.272-280, 2013
124. L.Bruno Augustin, Jigar Golecha, K.G. Sai Shreenaath, Vishnu Swami and M.Suresh, Numerical simulation of bubble pump using different working fluids, International Journal of Mechanical Engineering & Research, vol. 3, No.5, pp.335-340, 2013
125. L.Bruno Augustin, Jigar Golecha, K.G. Sai Shreenaath, Vishnu Swami and M.Suresh, Numerical studies on the performance of a bubble pump, Applied Mechanics and Materials, vol. 330, pp.203-208, 2013
126. S. Aravindan, K. Rajkumar, Wear performance of Al-SiC-B4C hybrid composites under dry sliding conditions, Materials and Design, vol. 47, pp.456-464, 2013
127. K.Rajkumar and S.Aravindan, Tribological behaviour of microwave processed copper-nanographite composites, Tribology International, vol. 57, pp.282-296, 2013
128. K. Yamuna, S. Vijayan, S. R. K. Rao<sup>3</sup> and V. S. Gayathri, "Green Inhibitors: Inhibitory Effect Of Acacia Auriculiformis And Ixora Coccinea Extracts Against Corrosion Of AA5083 In Acidic Medium", International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 3, March – 2013.
129. Alphin M S and K Sankaranarayananasamy , Identification of Vibration Exposure Disorder in Operators of Compaction Roller, Mobile Crane, Tracked Excavator with Breaker and Industrial Truck through Field Survey, Journal: Engineering Management Reviews,PP.30-35, Volume 2, Issue 2, June 2013.
130. Alphin M S and K Sankaranarayananasamy, Hand transmitted vibration in tracked excavators with breaker, International Journal of Acoustics and Vibration, Volume 18, No 2, June 2013
131. Shasank S, Sriteja, Venkatesh Adithya S,Hari Krishna K L, Experimental analysis of vibration in a motorcycle footrest, International Journal of Mechanical Engineering & Computer applications, May - June 2013.
132. Selvaraj M, Vela Murali and S. R. Koteswara Rao, Mechanism of Weld Formation during Friction Stir Welding of Aluminium Alloy, Journal of Materials and Manufacturing Processes, Vol. 28, pp.595 – 600, 2013
133. Selvaraj M, Vela Murali and S.R. Koteswara Rao, Thermal model for friction stir welding of mild steel, Multidiscipline Modeling in Materials and Structures, Vol. 9, No. 1, pp.49 – 61, 2013.
134. P. Raghu, Mukilan S. Michael, R. Bharath Viswanath, S. Audithya Krishna, and N. Nallusamy, "Experimental study on the spray characteristics of diesel and biodiesel (Jatropha oil) in a spray chamber", Jl. Advanced Materials Research, Vol. 768, pp. 180 – 187, 2013.
135. Raghu. P, Thilagan. K, Thirumoorthy. M, Siddharth Lokachari and N. Nallusamy, "Spray characteristics of diesel and biodiesel in direct injection diesel engine", Jl. Advanced Materials Research, Vol. 768, pp. 173 – 179, 2013.
136. Prithiv John, B Sriram, Senthil Kumar R, S Vinoth Kumar, Prakash Ramasamy, C Vijayram "Ventilation Improvement in A Non-Ac Bus" SAE Technical Paper Series, 2013.
137. Suresh Kumar.S, Bhojanaga Sairam and Aravind Raj, 'Estimation of Mixed mode Stress Intensity Factor and Interaction Behaviour of Surface Cracks in Rectangular Bar', International Journal of Scientific & Engineering Research, Volume 4, Issue 8, 2013.

138. Balasubramanian V, Lakshminarayanan AK, Malarvizhi S 'Effect of Welding Processes on Fatigue Behaviour of AISI 409M Grade Ferritic Stainless Steel Joints' *Advanced Materials Research* Vol. 794, pp 391-412, 2013.
139. Lakshminarayanan AK, Balasubramanian V, Use of DL-EPR Test to Assess Sensitization Resistance of AISI 409M Grade Ferritic Stainless Steel Joints, *Journal of Materials Engineering and Performance*, 1-11, 2013.
140. R.Ramanujam, K. Venkatesan, S.Vijayan and R.Raju, 'Multi-response Optimization of Machining Parameters in Turning Hybrid Metal Matrix Composites Reinforced with Graphite Particles for Tribological Applications', *International Journal of Applied Engineering Research*, Volume 8, Number 11, pp. 1315-1326, 2013.
141. K.Rajkumar, J. Maria Antony Charles, K. Vinoth Kumar, J. John Charles Praveen and A. Padmanathan, Comparison Studies on Microwave & Muffle furnace Heat Treatment for Al-B4C Composite, *Advanced Materials Research*, Vol. 768, pp. 280-284, 2013.
142. R. Sivaramakrishnan, C. Arun "Connected Components Labeling and Extraction Based Interphase Removal from Chromosome Images", *International Journal of Bio-Science and Bio-Technology*, February 2013, Vol.5, No.1, pp.81-90 (ISSN:0974-3987).
143. R. Anbarasi, R. Hemavathy, M. Dhanalakshmi, "Deaf-Mute Communication Interpreter", *International Journal of Scientific Engineering and Technology*, May 2013, Vol.2, No. 5, pp. 336-341 (ISSN:2277-1581) (IF:0.489).
144. R. Sivaramakrishnan, V. Ganesh, C. Arun "Segmentation and Removal of Interphase Cells from Chromosome Images using Multidirectional Block Ranking", *International Journal of Bio-Science and Bio-Technology*, June 2013, Vol.5, No.3, pp.79-92 (ISSN:0974-3987).
145. S. Janani, S. Lakshmi Bhavani, A. Kavitha, "Quantitative Analysis of Digitized Mammograms Using Nonsampled Contourlets and Evolutionary Extreme Learning Machine" *J Med Img Health Inf*, June 2013, Vol. 3, No. 2, pp. 206-213 (ISSN:2156-7018) (IF:0.642) .
146. R. Subashini, V. Mahesh, A. Kavitha, B. Geethanjali, S.U. Rakshitha "Comparative Evaluation of Antimicrobial Activity of Selected Three Herbal Plants Extract with Digital Image Processing Technique" *EJBI* 2013, Vol. 9, No. 1, pp. 14-19 (ISSN:1801-5603). JAN
147. S. Ganapathi, S.T. Premkumar, T. Malaikannu, A. Kavitha, "Musculoskeletal Modeling of Hip Joint and Fracture Analysis for Surgical Planning Using FEM" *EJBI* 2013, Vol. 9, No. 1, pp. 27-37 (ISSN:1801-5603). JAN
148. S. Madhu Bala, B. Reneta, G.S. Yuvasri, K. Sathish Kumar, S. Guruprakash, "The effect of Gold and Iron-oxide Nanoparticles on Biofilm-forming Pathogens" *ISRN Microbiology*, Sep 2013, article id:272086, doi:10.1155/2013/272086 (ISSN:2090-7478).
149. S.Ponmalar, R.Shanthini, R.C.Tharani, M.Dhanalakshmi, Computer-aided diagnostic tool for the detection of macular disorder using retinal OCT images, *International Journal of Advances in Computer Science and its Applications*, Sep 2013, Vol 3, No 3, pp 119-123 (ISSN 2250-3765).
150. R. Sivaramakrishnan "Meditation Research: A Comprehensive Review", *International Journal of Engineering Research and Applications*, 2013, Vol.3, No.6, pp.109-115. (ISSN 2248-9622) (IF:1.69) AUG
151. R. Sivaramakrishnan, C. Arun. Lukasiewicz Logic based Fuzzy Similarity Classifier for Denver Group Chromosomal Classification. *Bioscience Journal*, 2013 (accepted for publication). (ISSN 1516-3725) (IF: 0.275) AUG

152. K.Vijaimohan & J. Mallika. Regulation Of Voltage-Dependent Anion Channel-1 And 78 Kda Glucose-Regulated Protein By Carvedilol And Tocotreniol In Doxorubicin Mediated Cardiotoxicity. *Clinical Pharmacology in Drug Development*. Oct 2013, Vol 2, No.S1, 36-38. (ISSN 2160-7648) (IF- 2.96)
153. SV Hari Krishna, MS Muthukaruppan, P Paruthi, V Mahesh. ‘Performance evaluation of PPG signal using time-frequency features’, *International Journal of Engineering Research & Technology*, 2013, Vol. 2, No. 8, pp.988-992 (ISSN 2278-0181) (IF- 1.76).
154. T. Sree Sharmila, K. Ramar, T. Sree Renga Raja, “Impact of applying preprocessing techniques for improving classification accuracy”, *Signal, Image and Video processing*, Springer-Verlag London Limited, ISSN : 1863-1703, July 2013. (IF:0.409)
155. B. Lakshmi, R. Srinivasan, “Performance analysis of dual metal gate work function in junctionless transistors”, *Journal of Computational and Theoretical Nanoscience*, Vol.10, 1-5, 2013. (IF-0.91) feb
156. M. Fathima Nadheen, S. Poornima, "Feature Level Fusion in Multimodal Biometric Authentication System", *International Journal of Computer Applications* (0975 – 8887), Volume 69–No.18, pp. 36-40, ISBN: 973-93-80874-78-3, May 2013. (IF 0.814)
157. V. N. Ramakrishnan, R. Srinivasan, “Effect of underlap and soft error performance in 30nm FinFET-based 6T-SRAM cells with simultaneous and independent driven gates”, *Journal of Computational Electronics*”, Vol. 12, No. 3, pp. 469-75, DOI:10.1007/s10825-013-0460-0, 2013. (IF:1.23) feb
158. S. Chithra, A. Sheila “Outlier Detection in Reputation Management system for P2P networks using Rough Set Theory”, *Wiley Publications – Security and Communication Networks*, Vol. 6, P. 1153 – 1160, 2013 (IF: 0.4) mar
159. T. Sree Sharmila , K. Ramar, “Comparative analysis of satellite image pre-processing techniques”, *Journal of Computer Science*”, ISSN 1549-3636, April 2013.(IF : 1.35)
160. B. Lakshmi, R. Srinivasan, “Effect of process parameter variation on ft in n-type junctionless FETs”, *Journal of Computational Electronics*”, Vol. 12, No. 3, pp. 454-59, DOI :10.1007/s10825-013-0455-x, 2013. (IF:1.23) mar
161. S. Poornima, "Performance Study of Fusion in Multimodal Biometric Verification using Ear and Iris Features". *International Journal of Computer Applications (IJCA)-Proceedings on International Conference on Research Trends in Computer Technologies 2013 ICRTCT* (4):133-16, Published by Foundation of Computer Science, New York, USA. ISBN: 973-93-80873-29-1, February 2013. (IF: 0.814).
162. T. Sree Sharmila, K. Ramar, T. Renga Raja, “Developing an efficient technique for satellite image denoising and resolution enhancement for improving classification accuracy”, *Journal of Electronic Imaging*, Volume. 22, Issue.1, DOI: 10.1117/1.JEI.22.1.013013, 2013. (Impact Factor: 0.694)
163. Chamundeswari, A. and ChitraBabu, “Developmental Size Estimation for Object Oriented Software based on Analysis Model”, *International Journal of Software Engineering and Knowledge Engineering*, Vol.23, No.3 (April 2013), pp: 289-308. DOI: 10.1142/S0218194013500083, Print ISSN: 0218-1940, Online ISSN: 1793-6403
164. Dhivya S and SenthilVelan S, “Quantitative Evaluation of AO based SOA Application for University Automation using an Experimental TestBed”, *International Journal of Computer Applications* (ISSN: 0975-8887) (International Conference on Systems Engineering and Modeling- ICSEM 2013), pp: 29-34.

165. R. Kishore Kumar, R. Kanchana and ChitraBabu, "Security for SOAP based Communication among Web Services", International Journal of Computer Applications (ISSN: 0975 - 8887) [International Conference on Systems Engineering and Modeling "ICSEM-2013], August 2013, pp.46-51
166. Akshaya G, Kanchana R and ChitraBabu, "DyCSR: Dynamic Composition of SOAP Services and Restful Services in e-Governance Applications", International Journal of Computer Applications (ISSN: 0975 - 8887) [International Conference on Systems Engineering and Modeling "ICSEM-2013], August 2013, pp.46-51
167. Sowmya B and ShahulHamead H, "Third Party Auditing with Multi-Writer Model", International Journal of Systems, Algorithms and Applications, Volume 3, Issue ICASE13, ISSN Online: 2277-2677, April 2013, pp.45-47
168. KanchanaRajaram and ChitraBabu, "Specification of Transactional Requirements for Web Services Using Recoverability", International Journal of Information Technology and Web Engineering, 8(1), January-March 2013, pp.51-65, ISSN: 1554-1045
169. Tanya Sheryl and D. Thenmozhi, "Visualization of Very Large Graphs", International Journal on Advanced Computer Theory and Engineering [International Conference on Recent Advances in Computer Engineering and Technology], Kochin, June 9, 2013, ISSN (Print): 2319 – 2526, Volume 2, Issue 4, Impact Factor: 0.8, pp.72-76
170. Nanmozhi. R and Mirunalini. P, "Segmentation using Multiscale Morphological Reconstruction", International Journal of Engineering Science and Technology, Volume 5, Issue 4S, e-ISSN : 0975-5462, p-ISSN : 2278-9510, April 2013, pp.163-168
171. Rajesh A and Rajalakshmi S, "Web Service Computation using Multi-Agent Systems", International Journal of Research in Engineering and Advanced Technology[National Conference on Recent Trends in engineering and Technology, Agni College of Technology, Chennai, March 15, 2013], Volume 1, Issue 1, ISSN : 2320-8791, pp.1-4
172. J. Sheik Mohamed Meera and S. Lakshmi Priya, "Image to Document Conversion Using Difference Vector Quantization and Zig-Zag", IJREAT International Journal of Research in Engineering & Advanced Technology, [Proceedings of National Conference on Recent Trends in Engineering and Technology], Agni College of Technology, Chennai, Volume 1, Issue 1, March 15, 2013, pp.1-5
173. K. Aravinth, G. Anandha Babu and P. Ramasamy," Flux Growth and characterization of lead-free Sodium Bismuth Titanate -Barium Titanate (NBBT)" , at composition near the morphotropic phase boundary Journal of Crystal Growth, Accepted, Journal of Crystal Growth.
174. A. Arunkumar, P. Ramasamy, K. Vishnu and M. K. Jayaraj "Growth, structural, thermal, optical and electrical properties of potassium succinate – succinic acid crystal", Journal of Materials science (Manuscript ID: JMISC-S-13-03051), Accepted.
175. K. Mohana Priyadarshini, A. Chandramohan, G. Anandha Babu and P. Ramasamy, "Synthesis, crystal growth, structural, spectral, optical, thermal and dielectric studies of a new nonlinear optical material: 4-hydroxy-L-proline-L-tartaric acid (1:1)", Solid State Sciences, In Press, Accepted Manuscript, Available online 25 December 2013.
176. E. Selvakumar, A. Chandramohan, G. Anandha Babu and P. Ramasamy," Synthesis, growth, structural, optical and thermal properties of a new organic salt crystal: 3-nitroanilinium trichloroacetate", Journal of Crystal Growth, In Press, Corrected Proof, Available online 20 November 2013.
177. A. Arunkumar, P. Ramasamy," Studies on the structure, growth and characterization of morpholinium perchlorate single crystals", Journal of Crystal Growth 388 (2014) 124-131.

178. K. Boopathi, P. Ramasamy and G. Bhagavannarayana, "Growth and characterization of Cu (II) doped negatively soluble lithium sulfate monohydrate crystals", *Journal of Crystal Growth*, Volume 386, (2014), Pages 32-37.
179. D. Joseph Daniel, U. Madhusoodanan, R. Nithya, and P. Ramasamy," Irradiation effect on luminescence properties of fluoroperovskite single crystal (LiBaF<sub>3</sub>:Eu<sup>2+</sup>)", *Original Research Article Radiation Physics and Chemistry*, Volume 96, (2014), Pages 135-139.
180. N. Karunagaran, P. Ramasamy, and R. Perumal Ramasamy," Growth and characterization of propyl-para-hydroxybenzoate single crystals", *Accepted in Bulletin of Materials Science*.
181. M. Magesh, A. Arunkumar, P. Vijayakumar, G. Anandha Babu, and P. Ramasamy," Investigation of optical property in LiInSe<sub>2</sub> single crystal grown by Bridgman Stockbarger method using stepper translations for mid IR laser application ", *Optics & Laser Technology*, Volume 56, (2014), Pages 177-181.
182. K. Mohana Priyadarshini, A. Chandramohan, G. Anandha Babu and P. Ramasamy, "Synthesis, crystal growth, spectral, optical, thermal and dielectric studies of dichloro(4-hydroxy-l-proline)cadmium(II) single crystals", *Optik - International Journal for Light and Electron Optics*, Volume 125, Issue 3, (2014) Pages 1390-1395.
183. P. Vijayakumar, M. Magesh, A. Arunkumar, G. Anandha Babu, P. Ramasamy and K.G.M. Nair," Investigations on synthesis, growth and physical characterization of Lithium selenoindate single crystals *Journal of Crystal Growth*, *Accepted*.
184. P. Vijayakumar, G. Anandha Babu, and P. Ramasamy, "Growth and physical characterization of AgGa<sub>1-x</sub>In<sub>x</sub>Se<sub>2</sub> (X=0.5) Single crystals grown by modified vertical Bridgman method", *Journal of Crystal Growth*, *In Press*, *Accepted Manuscript*, Available online 11 December 2013.
185. P. Vijayakumar, M. Magesh, A. Arunkumar, G. Anandha Babu, P. Ramasamy, and S. Abhaya ," Investigations on Synthesis, Growth, Electrical and Defect studies of Lithium Selenoindate Single Crystals", *Journal of Crystal Growth*, Volume 388, 15 February 2014, Pages 17-21.
186. E. Selvakumar, G. Anandha babu, P. Ramasamy, Rajnikant, V. Murugesan and A. Chandramohan," Synthesis, growth and spectroscopic investigation of an organic molecular charge transfer crystal: 8-Hydroxy quinolinium 4-nitrobenzoate 4-nitrobenzoic acid", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 117, (2014), Pages 259-263.
187. A. Arunkumar, P. Ramasamy," Bulk single crystals of ammonium acid phthalate grown by the Sankaranarayanan–Ramasamy method for optical limiting applications", *Journal of Crystal Growth*, *In Press*, *Corrected Proof*, Available Online 14 (2013).
188. S.R. Thilagavathy, P. Rajesh, P. Ramasamy and K. Ambujam," A study on Fourier transform infrared spectroscopy, thermal, mechanical, NLO and laser damage properties on unidirectional Glycinium Picrate Mono Glycine crystal", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 115, (2013), Pages 747-75.2.
189. Jovita Theodore, K. Boopathi, A. Ramanand, P. Sahayaraj and P. Ramasamy, "Synthesis, growth and characterization of 4-methyl anilinium phenolsulfonate single crystal.", *Journal of Crystal Growth*, Volume 380, (2013), Pages 218–223.
190. A. Arunkumar, P. Ramasamy," Growth and characterization of ammonium acid phthalate single crystals", *Optical Materials*, Volume 35, Issue 6, (2013), Pages 1151-1156.

191. A. Arunkumar, P. Ramasamy," Synthesis, crystal structure, spectral and thermal properties of 4-dimethylaminopyridinium salicylate monohydrate", *Applied Physics A*, Volume 111, Issue 4, (2013), pp 1165-1173.
192. Urit, P. Ramasamy, and P. Manyum," Unidirectional growth, improved structural perfection and physical properties of a semi-organic nonlinear optical dichlorobis (L-proline)zinc(II) single crystal", *Journal of Crystal Growth*, Volume 362, (2013), Pages 220–226.
193. P. Rajesh, P. Ramasamy, G. Bhagavannarayana," Growth of ADP-KDP Mixed Crystal and its Optical, Mechanical, Dielectric, Piezoelectric, and Laser Damage Threshold Studies", *Journal of Crystal Growth*, Volume 362, (2013), Pages 338-342.
194. D. Joseph Daniel, P. Ramasamy and U. Madhusoodanan," Optical properties and irradiation effects of Cu<sup>+</sup> and Eu<sup>2+</sup> doped alkali halide single crystals grown from melt using Czochralski technique", *Optik - International Journal for Light and Electron Optics*, Volume 124, Issue 13, (2013), Pages 1466–1468
196. G. Venkatesan, G. Anandha Babu, P. Ramasamy, and A. Chandramohan, "Synthesis, structure and characterization of novel metal-organic single crystal: Dibromobis(l-proline)zinc(II)", *Journal of Molecular Structure*, Volume 1033, (2013), Pages 121-126.
197. G. Venkatesan, G. Anandha Babu, P. Ramasamy and Rajnikant, "Synthesis, growth, spectral, X-ray diffraction, magnetic and thermal studies of metal–organic complex: Diiodobis(2-aminopyridine) Cadmium(II) single crystal", *Journal of Molecular Structure*, Volume 1042, 24 June 2013, Pages 25-31.
198. V. Rajini, Prof./EEE "Image Quality Parameters for the Analysis of Segmentation of Satellite Images in Two Different Color Spaces", *Indian Stream Research Journal*, Vol. III, Issue IX, October 2013, pp.3138-3147.
199. Dr. V. Rajini, Prof./EEE "Segmentation and Denoising of Noisy Satellite Images based on Modified Fuzzy C Means Clustering and Discrete Wavelet Transform for Information Retrieval", *International Journal of Engineering and Technology*, Vol. 5, No. 5, Oct-2013, ISSN : 0975-4024,pp 3858-3868.
200. Dr. Mrunal Deshpande, Asso. Prof./EEE "LC Tuned Magnetic Levitation System" *British Journal of Applied Science & Technology*, Vol4, Issue-3, 11 Nov 2013 pg. 568-577.
201. Mr. R. Sivaramakrishnan, AP/BME "Meditation Research: A Comprehensive Review" *International Journal of Engineering Research and Applications*, 3(6) 2013, pp. 109-115.
202. Dr. S. Pravin Kumar, Asso. Prof./BME "A Novel Design of Low Cost LED Photo Therapy Equipment", *International Journal of Engineering & Technology Research*, Vol. 1, Issue. 2, October -December 2013.
203. Dr. P. Senthil Kumar, Asso.Prof./Chemical "Removal of fluoride from aqueous media by magnesium oxide coated nanoparticles" *Desalination and Water Treatment*.
204. Mr. R. Sivaramakrishnan, AP/Mech. "Meditation Research: A Comprehensive review" in the *International Journal of Engineering Research and Applications*, 3(6) 2013, pp. 109-115.
205. Dr. S. Pravin Kumar, Asso. Prof./BME "A Novel Design of Low Cost LED Photo Therapy Equipment", *International Journal of Engineering & Technology Research*, Vol. 1, Issue. 2, October -December 2013.
206. Dr. S. Salivahanan, Principal and Mr. S. Joseph Gladwin, AP/ECE "VLSI Implementation of Channel Estimation for MIMO-OFDM Transceiver" *American Journal of Applied Sciences*, Volume 10, Issue 10, Pages 1280-1286, 2013.

207. Ms. S. Malathy, AP/EEE and Dr. R. Ramaprabha, Asso. Prof./EEE “Soft Computing Optimization Techniques for Solar Photovoltaic Arrays”, ARPJ Journal of Engineering and Applied Sciences (ISSN: 1819-6608), Vol. 8, No.11, pp 948-953, Nov 2013. SJR Impact factor 0.13.
208. Dr. R. Seyezhai, Asso. Prof./EEE, V.Nithin, P.Sivapriya, N.Siva Sumanth and K.Vigneshwar, (III Year EEE), “Investigation of Two-phase Bridgeless Interleaved Boost Converter for Power Factor Correction” International Journal of Recent Advances in Engineering and Technology, IJRAET, Vol.1, Issue-3, 2013,pp.155-159.
209. Dr. R. Seyezhai, Asso. Prof./EEE, V. Abhinaya, M. Aishwarya & K.Gayathri (Passed out UG Students, 2013) “Hardware Implementation of Two-Phase Bridgeless Interleaved Boost Converter for Power Factor Correction”, Caribbean Journal of Science & Technology, Vol.1, 2013, pp.194-202, ISSN – 0799-3757.
210. Dr. N. Lakshmi Narsimhan, Asso. Prof./Mech. “Studies on the performance of a small reciprocating compressor with different nitrogen-hydrocarbon mixtures” in the International Journal of Refrigeration 36 (2013), 2091-2096.