



Dr.K.KUPPUSAMY
Professor

Contact

Address : Department of Computer Science
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Alagappa University
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Employee Number : 51404

Date of Birth : 13-04-1962

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Academic Qualifications: M.Sc., M.Phil., M.C.A.,B.Ed.,Ph.D

Teaching Experience: 29 Years

Research Experience: 15 Years

Additional Responsibilities

1. Chairperson, School of Computer Sciences, Alagappa University from 22-6-2015 onwards
2. Warden, PG Men's Hostel, Alagappa University from 8-8-2013 onwards
3. Director *i/c*, Computer Centre, Alagappa University, Karaikudi. From 30-10-2009 to 29-11-2011

4. Chief Superintendent for University PG, B.Ed.,M.Ed and M.Phil Examinations April 2011, December 2011 and April 2012
5. Chief Superintendent for DDE Examinations May 2012.
6. Coordinator for M.C.A (Week End) Program from April 2008 to April 2012

Areas of Research

Network / Information Security, Neural Networks, Operations Research, Image Processing

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	7	5
	M.Phil.	36	7
Project	PG	128	9
	UG / Others (M.Tech)	2	--

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
88	31	6	43	Book - 1 Chapter - 1

Cumulative Impact Factor (as per JCR) :	78.053
h-index	7
i10 index	5
Total Citations	168

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	NTRO, New Delhi	8/2008	8/2012	CDBR - Smart and Secure Environment (Role : Addl. Co-Investigator)	100

2	AURF	4/ 2010	4/ 2011	Cryptanalysis of Image Encryption Algorithms (Role : Principal Investigator)	0.20
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Distinctive Achievements / Awards

Certification of Commemoration by Alagappa University - 25 years completion of service in Alagappa University - Teacher's day Sep.2016 Celebration

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 7

1. Organizing Secretary, Two Day Workshop on "Carrer Prospects and Developments in Computer Science", on 27th-28th Feb. 2017.
2. Organizer, Parents - Teachers Meeting on 28-09-2017.
3. Co-Convenor , International Workshop on "Data Science and Analytics" on 27th-28th Sep.2016
4. Member, Parent Teacher Association Meeting on 8th Nov, 2016
5. Co-Convenor, International Conference on Innovations in Computer Science and Technology (ICICST 2016) organized by Dept. of Computer Sci and Engg, Alagappa University, Karaikudi on 4-5 April 2016.
6. Conference Coordinator, National Conference on Mining, Internetworking and Data Security (MINDS 2014) organized by Dept. of Computer Science and Engg, Alagappa University, Karaikudi, Mar. 27-28, 2014.
7. Organizing Committee Member, National Seminar on Advanced Computing Technologies organized by School of Computer Science, Alagappa University, Karaikudi, March 31, 2010
8. Organizer, Computer Security Day organized by Alagappa University, Karaikudi 1st December 2010
9. Organizing Committee Member, Seminar on Convergent Technologies in IT Industry organized by Department of Computer Science and Engineering, Alagappa University Karaikudi, October 10, 2009

Events Participated

Conferences / Seminars / Workshops: 43

INTERNATIONAL CONFERENCES

1. IEEE -4th International Conference on Electronics Computer Technology (ICECT 2012) organized by IEEE & IETE held at Kanyakumari, India, April 6-8, 2012
2. IEEE - International Conference on Network and Computer Science (ICNCS 2011) organized by IACSIT, IETE & IEEE held at Kanyakumari, India on April 8-10, 2011
3. International Conference on Operations Research and its Recent Development and Applications organized by S.V.University, Tripati, 15-12-2008 to 17-12-2008
4. International Conference on Statistical Science, OR and IT organized by Dravidan University Kuppam and ISPS held at Tirupathi on 7-1-2007 to 9-1-2007
5. International Conference on Operations Research Applications in Infrastructure Development (ICORID) organized by Operations Research Society of India held at Indian Institute of Science, Bangalore on 27-12-2005 to 29-12-2005

NATIONAL CONFERENCES / SEMINARS

1. National Seminar on Recent Developments in Computer Networks (NSRDCN 2016) organized by Dept. of Computer Application on 7-8 Nov.2016
2. National Conference on Emerging Trends in Software Development (NCETSD-2016) organized by Skill Development Centre, Alagappa University, Karaikudi. on March 24, 2016
3. National Seminar on "Mobile Banking System and Indian Economy" organized by Dept. of Economics, Bharathidasan University, Tiruchirappalli, Feb.3, 2016
4. National Conference on Recent Developments in Software Development (NCRASD-2015) organized by Skill Development Centre, Alagappa University, Karaikudi. March 23, 2015
5. National Conference on Data Science (NCDS-2014) organized by Dept. of Computer Science and Research Centre, S.T.Hindu College, Nagercoil, August 8-9, 2014.
6. National Conference on Mining, InterNetworking and Data Security (MINDS-2014) organized by Dept. of Computer Science and Engineering, Alagappa University, Karaikudi, March 27-28, 2014.
7. National Conference on Future Computing, (NCFC-2012) organized by Dept. of Computer Science, Pondicherry University, Karaikal Campus, March 30, 2012.

8. National Conference on Advanced Computing organized by Jamal Mohamed College, Tiruchirappalli, February 8, 2011
9. National Conference on Recent Trends in Mathematics and its applications organized by Department of Mathematics, Alagappa University Karaikudi, December 22, 2010
10. National Seminar on Advanced Computing Technologies organized by School of Computer Science, Alagappa University Karaikudi, March 31, 2010
11. Seminar on Convergent Technologies in IT Industry organized by Department of Computer Science and Engineering, Alagappa University Karaikudi, October 10, 2009.
12. 9th National Tamil Science Congress, Alagappa University, Karaikudi organized by Alagappa University Karaikudi, September 11-13 2009
13. Seminar on Recent Trends in Information Technology organized by Dept. of Computer Science & Engg. Alagappa University Karaikudi, March 16-17, 2009
14. National Conference on Analysis of Computer Algorithms (NCAC-2005) organized by Department of Computer Science and Engineering, Annamalai University, Annamalainagar, March 19-20, 2005.
15. National Seminar on Fuzzy Mathematics and its applications organized by Dept. of Mathematics, Alagappa University, Karaikudi, 3-3-2006 to 4-3-2006
16. National Seminar on Fuzzy Mathematics and its applications organized by Dept. of Mathematics, Alagappa University, Karaikudi, 28-3-2008 to 29-3-2008

WORKSHOPS

1. Workshop on "Curriculum Designing and Development" for the Chairpersons of Boards of Studies of Affiliated Colleges organized by Curriculum Development Cell, Alagappa University, Karaikudi, 24-4-2013
2. National Workshop on "Expansion and Enrichment of Distance Learning" (EEDL-2012) organized by Directorate of Distance Education, Alagappa University, March 27-28, 2012.
3. 16th Workshop on Smart and Secure Environment Project (funded by NTRO New Delhi) organized by Alagappa University Karaikudi, December 17-18, 2010
4. 11th Workshop on Smart and Secure Environment Project (funded by NTRO New Delhi) organized by PSG College of Technology, Coimbatore 18-19 Sep 2009
5. Workshop on Smart and Secure Environment Project (funded by NTRO New Delhi) organized by Alagappa University, Karaikudi 20-21 June 2008

6. Workshop on Smart and Secure Environment Project (funded by NTRONew Delhi) organized by National Institute of Technology, Tiruchirappalli 23-24 March 2007
7. Workshop on Information Security Education & Awareness organized by Dept. of Computer Sci. &Engg, Pondicherry University,Pondicherry, 26-27 December 2006
8. Workshop on Information Security Education & Awareness organized by Dept. of Computer Sci. &Engg, Thiagarajar College of Engg, Madurai 26-27 September 2006
9. Workshop on Information Security Education & Awareness organized by Network Systems Laboratory, Dept. of Computer Sci. &Engg, I.I.T.M, Chennai, 26-27 June 2006
10. National Workshop on Restructuring Higher Education Curriculum in the context of Globalization organized by Curriculum Development Centre, Alagappa University, Karaikudi, 24-26 March 2006

Other Training Programs

1. Cloud Infrastructure and Services conducted by ICT Academy of Tamilnadu, Chennai at Alagappa University, Karaikudi, 23-2-2015 to 27-2-2015
2. J2EE and Best Practices in Application Development conducted by ICT Academy of Tamilnadu, Chennai at Alagappa University, Karaikudi, 8-9th October 2009

Membership in

Professional Bodies

- Member, Operational Research Society of India, Kolkatta.
- Member, Cryptology Research Society of India, Kolkatta.

Editorial Board

- Editorial Board Member, Thiagarajar Journal of Arts and Science (TeJAS)

Reviewer

- Neural Computing and Applications – Springer ISSN: 0941-0643
- Journal of Information Science and Engineering, Taiwan
- International Journal of VLSI design & Communication Systems (VLSICS) Publisher: Academy & Industry Research Collaboration Center (AIRCC)
- 2nd IEEE NATIONAL CONFERENCE REVIEW-ncetacs 2011, Shillong

Academic Bodies (such as Board of Studies etc.)

Alagappa University

- Member, Board of Studies in Computer Science (University Dept. MCA, M.Sc (CS), MPhil.(CS), MCA (DDE) Courses)
- Member, Board of Studies in M.Phil. Computer Science for Affiliated Colleges.
- Chairman, Board of Studies for Affiliated Colleges B.Sc. (Software).
- Chairman, Board of Studies for Affiliated Colleges PGDCA & DCA. .
- Member, Board of Studies for Affiliated Colleges B.Sc. (Computer Science) .
- Member, Board of Studies for Affiliated Colleges B.Com.(CA)
- Member, Department Doctoral Committee.
- Member, MCA, Admission Interview Committee
- Member, E-Literacy Cell
- Member, Placement Cell
- Member, Website Network Committee
- Affiliated Colleges Programmes / Research Centre Inspection Committee Member
- Nodel Officer, NMEICT-NKN Connectivity upto 29-11-2011

Other Institutions

- Member. SET 2011, Oct 2012 Examinations Computer Science, Bharathiar University
- Bharathidasan University Nominee, Board of Studies for Computer Science, Govt. Arts College, Pudukkottai
- Bharathidasan University Nominee, Board of Studies for Computer Science, National College, Trichirappalli.
- Member, Board of Studies for Computer Science, Scott Christian College, Nagercoil.
- Member, Research Committee, Saradha Nikethan College for Women, Amaravathi pudur, Karaikudi.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 11

1. Valedictory Address in National Conference on “Recent Trends in Computer Science and Applications” (NCRTCSA-2016) organized by Dept. of Computer Science and Applications, Rabiammal Ahamed Maideen College for Women, Tiruvarur. 23-24 Sep. 2016

2. Session Chair, National Conference on Emerging Trends in Software Development (NCETSD-2016) organized by Skill Development Centre Alagappa University, Karaikudi, 24-3-2016
3. Session Chair, National Conference on Emerging Trends in Software Development (NCETSD-2015) organized by Skill Development Centre Alagappa University, Karaikudi, 23-3-2016
4. Resource Person, "IT Trends and Security Concerns", TECHSA-15 National Seminar on "Current Trends in Computing Technologies" organized by PG Dept. of Computer Science, Govt. Arts College for Women, Ramanathapuram 28-2-2015
5. Session Chair, UGC sponsored National Conference on Data Science (NCDS-2014) organized by Dept. of Computer Science and Research Centre, S.T.Hindu College, Nagercoil, Aug. 8-9, 2014.
6. Felicitation Address, Short Term Course on Web-Designing, Image Editing and Office Automation Skills organized by Entrepreneurship & Skill Development Centre, Alagappa University, Karaikudi May 2, 2014
7. Key note Address on "Trends in Computing Technologies", TECHSA-14 Intra-department meet festival organized by PG Dept. of Computer Science, Govt. Arts College for Women, Ramanathapuram 6-3-2014
8. Valedictory Address, UGC sponsored Two day workshop on Adv. Research Concepts in Computer Science using Matlab (ARCICS-2013) organized by Alagappa Govt. Arts College, Karaikudi Feb.. 27-28, 2013.
9. Session Chair, IEEE - 4th International Conference on Electronics Computer Technology (ICECT 2012), organized by IETE & IEEE Kanyakumari April 6-8, 2012
10. Inaugural Address, Inaugural function of Computer Science Association organized by Dept. of Computer Science Alagappa University Evening College. Rameshwaram, September 10-12, 2012
11. Session Chair, IEEE - International Conference on Network and Computer Science (ICNCS 2011) organized by IACSIT, IETE & IEEE Kanyakumari April 8-10, 2011
12. Lecture on "IT Skills", National Workshop on Placement Training organized by Placement Cell, Alagappa University, Karaikudi, 25-26 March 2010
13. Resource Person, Lecture on "Network Security Challenges and Solutions" State Level Seminar on 3G Mobile Technology& E-Learning organized by Thiagarajar Arts College, Madurai 29th Sep 2009
14. Resource Person, Lecture on Network Security and Issues in National Seminar on "Resources and Challenges of Network Security" organized by Dept. of Comptuer

Others

1. No. of Ph.D Thesis evaluated : 22
2. No. of Ph.D Public Viva Voce Examination conducted : 23

Recent Publications

International / National Journals

1. K.Thamodaran and K.Kuppusmay, (2017), “Optimized Hash Based Security System for Big Data”, *International Journal of Engineering Sciences and Research Technology*”, Vol.6, No.4, (ISSN: 2277-9655), pp: 28-33. (IF: 4.116)
2. J. Mahalakshmi and K.Kuppusamy, “Security-as-a-Service” for files in cloud computing — A novel application model”, *IEEE Xplorer (ISBN: 978-1-4673-7807-9)*, 5, Nov. 2016. (I.F. 5.629)
3. P.Elango and K.Kuppusamy, “Fuzzy FP-Tree based Data Replication Management System in Cloud”, *International Journal of Engineering Trends and Technology (IJETT)*, (ISSN: 2231-5381), Vol.36, No.9, June 2016, pp. 481-489. (IF: 1.656)
4. J. Mahalakshmi and K.Kuppusamy “Data Security in Cloud Computing Via Bio – Inspired Optimization Technique”, *International Journal of Advanced Research Trends in Engineering and Technology(IJARTET)*, (ISSN:2394-3777),Vol.3, Special Issue 20, April.2016, pp 573-577. (I.F. 4.753)
5. P.A.Moralie and K.Kuppusamy “CBIC: A Novel Image compression Algorithm”, *International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)*, (ISSN:2394-3777), Vol.3, Special Issue 20, April.2016, pp 631-634. (I.F. 4.753)
6. A. Hema and K.Kuppusamy “Fuzzy based multilevel security access control mechanism for pervasive computing application: Smart Library Management”, *International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)*, (ISSN:2394-3777),Vol.3,Special Issue 20, April.2016, pp 106-109. (I.F. 4.753)
7. S.Chitradevi and K.Kuppusamy “Stock market Price Prediction Using Non linear Regression Model”, *International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)*, (ISSN:2394-3777),Vol.3, Special Issue 20, April.2016, pp 444-447. (I.F. 4.753)

8. P. Karpagam and K.Kuppusamy “Analaysis of Encryption algorithms in Mobile Cloud”, ***International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)***, (ISSN:2394-3777),Vol.3, Special Issue 20, April.2016, pp 348-351. (I.F. 4.753)
9. A.Pelsita Mary and K.Kuppusamy “An Efficient Information Security In Cloud Computing Through Enhanced RSA”, ***International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)***, (ISSN:2394-3777),Vol.3,SpecialIssue 20, April.2016, pp 155-158. (I.F. 4.753)
10. R.Saranya and K.Kuppusamy “Performance analysis of ADALINE and MADALINE Network in classification of Thyroid Disease”, ***International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)***,(ISSN:2394-3777), Vol.3, Special Issue 20, April.2016, pp 117-119. (I.F. 4.753)
11. K.Thamodaran and K.Kuppusamy, “Security Scheme for Data Authentication Based on Elliptic Curve Cryptography”, ***International Journal of Computer Science & Engineering Technology (IJCSET)*** (ISSN : 2229-3345), Vol. 7 No. 04 Apr 2016, pp 156-162.
12. S. Murugan and K. Kuppusamy, “Functioning of Intelligence Intrusion Multi-Detection Prevention System” , i-manager’s ***Journal on Information Technology”(JIT) (ISSN 2277-5110)***, Vol.5. No.1,Dec-February 2016, pp 18-27.
13. J. Mahalakshmi and K.Kuppusamy, “An Efficient Image Encryption Method based on Improved Cipher Block Chaining in Cloud Computing as a Security Service”, ***Australian Journal of Basic and Applied Sciences (AJBAS)*** (ISSN 1991-8178 EISSN: 2309-8414), Vol. 10(2) Feb. 2016, pp 297-306. , (I.F.0.786)
14. S. Murugan and K. Kuppusamy, “Intelligence Intrusion Multi-Detection Prevention System Principles” i-manager’s ***Journal on Software Engineering”(JSE) (ISSN 0973-5151)***, Vol.10. No.1, July-September 2015, pp 31 – 41.
15. S. Murugan and K. Kuppusamy, “Unknown Malware Attack by using Intelligence Intrusion Multi Detection Systems”, ***International Journal of Applied Engineering Research (IJAER)(ISSN 0973-4562)***, Vol.10. No.69, July 2015, pp 49 – 54 (I.F.0.12.)
16. K. Mahesh and K.Kuppusamy, “A Comparative Study of Hybrid Video Segmentation Techniques using Fuzzy Clustering Algorithms”, ***International Journal of Applied Engineering Research (IJAER)(ISSN 0973-4562)***, Vol.10. No.12, July 2015, pp 32321-32334, (I.F.0.12)
17. S. Esther Stella Nesakumari and K.Kuppusamy, “MAC 802.11 with Dynamic Bandwidth Allocation for Data Transmission in Network”, ***International Journal of Computer Science and Mobile Computing***, (ISSN 2320-088X), Vol.4 Issue.8, August- 2015, pg. 98-101.

18. G. Divya and K.Kuppusamy, "Data Storage Using Decentralized Access Control With Multiple Authentication in Clouds", *International Journal of Computer Science and Mobile Computing*, (ISSN 2320-088X), Vol.4 Issue.7, July- 2015, pg. 476-479
19. K. Dhanalakshmi and K.Kuppusamy, "Source Privacy and Compromise-Resilient Message Authentication in Wireless Sensor Networks", *Indian Journal of Applied Research*" (ISSN 2249-555X) Vol 5 Issue 8 August 2015, pp 521-523,
20. R. Gayathiri and K.Kuppusamy, "Medical Image Segmentation Based on Improved Fuzzy Clustering algorithm with Bias Field Estimation", *International Journal of Computer Science and Mobile Computing*, (ISSN 2320-088X), Vol.4 Issue.7, July- 2015, pg. 480-488.
21. J. Mahalakshmi and K.Kuppusamy, "A Block Cipher based Cryptographic Algorithm to enhance the Data Security", *International Journal of Applied Engineering Research (IJAER)*(ISSN 0973-4562), Vol.10. No.55, June 2015, pp 1866-1870. (I.F.0.12)
22. S. Murugan and K. Kuppusamy, "Malware Attack by using IIMDPS", *i-Manager's Journal on Computer Science (ISSN 2347-2227)*, Vol. 3, No. 1 , March - May 2015, pp 5-14.
23. K.C.Chandra Sekaran and K. Kuppusamy, "Block Truncation Code and Discrete Cosine Transform in Biometric Images", *International Journal of Computing Algorithm (IJCOA)* (ISSN 2278-2397), Vol.4, Spl.Issue, March 2015 pp.1355-135, (I.F 0.309)
24. K.C.Chandra Sekaran and K. Kuppusamy, "Performance Analysis of Compression Techniques using SVD, BTC, DCT and GP", *IOSR Journal of Computer Engineering* (e-ISSN: 2278-0661, p-ISSN 2278-8727), Vol.17, Issue 1 Ver.3 (Jan-Feb.2015) pp.06-11.
25. A. Balu and K. Kuppusamy, "An expressive and provably secure Ciphertext-Policy Attribute-Based Encryption", *Information Sciences, ScienceDirect Elsevier journal*, Vol.276, 20 August 2014, pp 354-362 ISSN: 0020-0255. (I.F 3.643)
26. Kuppusamy K and Malathi S, "A new methodology to prevent DDoS attacks during peak hours of Server", **Elsevier Publications**, Proceedings of *National Conference on Data Science (NCDS-2014)*", August 8-9, 2014, pp 288-294, (ISBN : 978-93-5107-294-2)..
27. Kuppusamy K and Sharmila K, "A new hybrid Image Compression method using DCAT and Fractal with Quadtree Technique" **Elsevier Publications**, Proceedings of *National Conference on Data Science (NCDS-2014)*", August 8-9, 2014, pp 144-150, (ISBN : 978-93-5107-294-2).
28. Kuppusamy K and Ananthavalli M, "Data Security through Cryptographic and Steganographic Techniques, **Elsevier Publications**, Proceedings of *National Conference on Data Science (NCDS-2014)*", August 8-9, 2014, pp 302-306, (ISBN : 978-93-5107-294-2).

29. K.Sharmila and K.Kuppusamy, "A New Color Image Compression Based on Fractal and Discrete Cosine Transform", "*International Journal Of Engineering And Computer Science (ISSN:2319-7242)*" Volume 03 Issue 07 July, 2014 pp. 7054-7057
30. K.Sharmila and K.Kuppusamy, "An Efficient Image Compression Method using DCT, Fractal and Run Length Encoding Techniques", "*International Journal of Engineering Trends and Technology (IJETT) (ISSN: 2231-5381)*", Volume 13 Number 6 – Jul 2014, pp. 287-290.
31. M.Ananthavalli and K.Kuppusamy, "A Novel approach for multilevel Steganography", "*International Journal of Computer Science and Mobile Computing*" (ISSN 2320-088X), Vol.3, Issue 7, July 2014 pp. 195-199.
32. R.Meenakshi and K.Kuppusamy, "The Use of Least Significant Bit Technique at Various Color Spaces for secure Steganography with Performance Evaluation", "*International Journal of Advanced Research in Computer Science and Software Engineering*" (ISSN 2277-128X), Vol.4, Issue 6, June 2014 pp. 1047-1051.
33. K. Thamopdaran and K. Kuppusamy, "Optimized Partial Image Encryption Scheme Based on PSO and DE", *Journal of Computer Science and Applications (JCSA) (ISSN 2231-1270)*, Vol.6, Number 1, May 2014 pp. 335-339.
34. K.C.Chandra Sekaran and K. Kuppusamy, "Efficiency of Gaussian Pyramid Compression Technique for Biometric Images" *International Journal of Computer Science and Issues (ISSN 1694-0814)*, Vol.11, Issue 3, May 2014 pp. 77-82. (IF : 0.242)
35. K.Kuppusamy and J. Mahalakshmi, "A Survey on Routing Algorithms for Cloud Computing" *International Journal of Computer Applications (ISSN:0975 – 8887)* International conference on Computing and Information Technology (IC2IT) Dec.2013, pp. 5-8. (IF 0.715)
36. K.Kuppusamy and R. Mehala, "A New Image Compression Algorithm using Haar Wavelet Transformation", *International Journal of Computer Applications (ISSN:0975 – 8887)* International Conference on Computing and Information Technology (IC2IT) Dec.2013, pp. 1-4. (IF 0.715)
37. K. Kuppusamy and R.Ilackiya "A Hybrid Method on Fractal Image Compression Using Quadtree Decomposition and Run length Encoding" .*International Journal of Computer Science*, (ISSN:2348-6600) .Vol. 1 Issue 1, No.1, July 2013, pp. 024-028.
38. K. Kuppusamy and R.Ilackiya "Novel Color Fractal Image Compression based on Quadtree Decomposition" .*International Journal of Computer Science*, (ISSN:2348-6600) .Vol. 1 Issue 2, No.1, July 2013, pp. 044-049.

39. K.Kuppusamy and R. Mehala, "Sparse Transform Matrix at Low Complexity for Color Image Compression" *International Journal of Computer Trends and Technology (IJCTT)*, (ISSN 2231-2803) Vol.4 Issue 6 No.1 June 2013, pp :1615-1620.
40. K.Kuppusamy and P. Elango, "Data Replication for the Distributed Database using Decision Support Systems", *International Journal of Computer Applications (ISSN:0975 – 8887) Vol 69, No.3, May 2013, pp. 28-39 (I.F 0.715)*
41. K. Kuppusamy and R.Ilackiya "Fractal Image Compression & Algorithmic Techniques" .*International Journal of Computer & organization Trends (IJCOT)*, (ISSN:2249-2593) .Vol. 3 Issue 4, May 2013, pp. 141-145. www.ijcotjournal.org. Published by Seventh Sense Research Group.
42. Balu and K. Kuppusamy, "Ciphertext-Policy Attribute-Based Encryption with User Revocation Support", Springerlink Quality, Reliability, Security and Robustness in Heterogeneous Networks\ **Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering Proceedings of 9th International Conference, QShine 2013, Greder Noida, India, January 11-12, 2013, Volume 115, 2013, pp 696-705, DOI: 10.1007/978-3-642-37949-9_61 ISSN : 978-3-642-37948-2**
43. K.Kuppusamy and K. Thamodaran, "Optimized Hybrid Image Security Scheme for Copyright Protection, Authentication and Confidentiality using PSO", *European Scientific Journal*, ISSN: 1857-7881, Vol.9, No.6, Feb. 2013, pp 129-146.(I.F. 3.1)
44. Mahesh K and Kuppusamy K, "Hybrid Video Segmentation with Feature Extraction using Anisotropic Diffusion", *International Journal of Science and Engineering Investigations*, ISSN:2251-8843, Vol.2, Issue.12, Jan. 2013, pp 49-56.
45. Thamarai SM, Kuppusamy, K and Meyyappan T, "Test Compaction for Combinational Benchmark Circuits using Genetic Algorithm", *International Journal of Advanced Computing*, ISSN:2051-0845, Vol.35, Issue.10, Nov. 2012, pp 398-402.
46. K. Kuppusamy and S.Malathi, "Prevention of Attacks under DDoS Using Target Customer Behavior" *IJCSI International Journal of Computer Science Issues*, Vol. 9, Issue 5, No 2, September 2012 ISSN: 1694-081, pp 301-307. (I.F 0.242)
47. C. Pandimuthu and K. Kuppusamy, "High-Resolution Satellite Imagery Changes Detection using Agglomerative Fuzzy K-Means Clustering Algorithm" *International Journal of Computer Applications (0975 – 8887) Volume 54– No.1, September 2012, pp 31-35. (I.F 0.715)*
48. K. Mahesh and K. Kuppusamy, "FKM Based Approach for Hybrid Video Segmentation" *International Journal of Multimedia & Its Applications (IJMA)*" Vol.4, No.4, August 2012, pp 47-58. ISSN: 0975 – 5934

49. K. Mahesh and K. Kuppusamy, "A new Hybrid Algorithm for Video Segmentation" *International Journal of Computing Algorithm (IJCoA)* Vol.1, Issue 1, June 2012, pp 34-42. ISSN:2278-2397.
50. K.Kuppusamy and K. Thamodaran, "Optimized Image Watermarking scheme based on PSO", *Procedia Engineering ELSEVIER International Conference on Modeling and Computing*, June 2012, Volume 38, pp 493-503. ISSN: 1877-7058 (I.F. 0.25)
51. KC.Chandrasekaran and K. Kuppusamy, "Digital image compression using sparse matrix", *Indian J. Edu. Inf. Management.*, Vol. 1, No. 5 (May 2012) ISSN 2277 – 5374, pp 182-184.
52. K. Mahesh and K. Kuppusamy, "A new hybrid algorithm for video segmentation", *Proceedings in Springerlink Advances in Computer Science, Engineering & Application Computer of Second International Conference on Computer Science, Engineering and Applications (ICCSEA 2012) May 2012* Volume 166, DOI: 10.1007/978-3-642-301575.
53. A.M Hema and K.Kuppusamy "Trust based access control scheme for pervasive computing environment" *IEEE Explorer (IEEE ICRTIT-2012)* April 2012, pp 157-161. (I.F.5.629)
54. K.Kuppusamy and K. Thamodaran, "Optimized Partial Image Encryption Scheme Using PSO", *IEEE Explorer (IEEE PRIME-2012)* March 2012, pp 236-241. (I.F. 5.629)
55. J.Mahalakshmi and K.Kuppusamy, "A new technique for Image Encryption using RIJNDAEL Block Cipher Algorithms" , "International Journal of Computer Applications", Vol. 45, No 11, May 2012, pp 7-10, ISSN 0975-8887. (I.F 0.715)
56. K.Kavitha and K.Kuppusamy, "**A Hybrid Biometric Authentication Algorithm**", *International Journal of Engineering Trends and Technology*", Vol 3, Issue 3, May 2012, pp.311 - 319, ISSN: 2231-5381.
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