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**Number of Publications : 74**

#### **LIST OF PUBLICATIONS OF Dr. P. SUDHAKAR**

1. **Sudhakar P** and Valli S, “Graphical Approach for Program Slicing Concepts”, Proceedings of the IEEE International Conference on Computing and Networking, Chettinad College of Engineering and Technology, India, December 2008.
2. **Sudhakar P** and Valli S, “Design Rational to Source Graph (DRG) Approach for Developing Legacy Code Conversion Kit (LCKK)”, Proceedings of the IEEE International Conference on Innovative Computing Technologies, M. Kumarasamy College of Engineering, India, February 2010.
3. **Sudhakar P** and Sakthivel P, “Predicting Source Code Irregularities in Automated Code Conversion Systems using SRASG”, European Journal of Scientific Research, Vol. 67(3), pp. 486-491, 2012, ISSN: 1450-216X. (**Scopus**)
4. **Sudhakar P** and Sakthivel P, “Automatic Specification Evaluator for Effective Migration”, Journal of Computer Science (JCS), Vol. 8(6), pp. 822-827, 2012, ISSN: 1549-3636. (**Scopus**)
5. **Sudhakar P** and Sakthivel P, “Reengineering Legacy to Modern System with One Time Checker for Information System Evolution”, American Journal of Applied Sciences, Vol. 9(6), pp. 832-841, 2012, ISSN: 1546-9239. (**Scopus**)
6. **Sudhakar P** and Sakthivel P, “Evaluation of Information System using Reengineering Concepts for Upgradation to Modern System”, WSEAS Transactions on Information Science and Applications, Vol. 9(3), March 2012, ISSN: 2224-3402. (**Scopus**)
7. **Sudhakar P**, “Impact of Cloud Computing on Information Technology Applications”, Colloquium of the 28<sup>th</sup> Indian Engineering Congress (IEC-2013), Chennai, December 22-23, 2013.

8. **Sudhakar P**, “Impact of Wireless Networks on Societal Transformations”, Technical Lecture Notes at Institute of Engineers (India), T.N. State Centre, Vol.12, No.12, March 2014.
9. Mohan S, Venkatachalapathy K and **Sudhakar P**, “An Intelligent Recognition System for Identification of Wood Species”, Journal of Computer Science (JCS), Vol. 10(07), pp. 1231-1237, 2014, ISSN: 1549-3636. (**Scopus**)  
<https://thescipub.com/pdf/10.3844/jcssp.2014.1231.1237>.
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<http://www.jatit.org/volumes/Vol63No3/25Vol63No3.pdf>.
11. **P. Sudhakar**, “Models for Legacy System Evaluation for Effective Migration”, National Conference on Advanced Intelligent Computing and Applications '15 (NCAICA'15), Feb 9<sup>th</sup>, 2015, Thathanur, pp. 56-61. Meenakshi Ramasamy Engineering College, Thathanur, Ariyalur.
12. Karthika T and **Sudhakar P**, “Enhanced Evolutionary Algorithm for Project Scheduling Problem”, International Conference on Trends in Engineering and Technology, Science and Humanities and Management 2015 ICTETSHAM'15, Tamizhan College of Engineering and Technology, Kanyakumari, Tamilnadu, Feb. 19-20, 2015
13. **Sudhakar P**, “Improved Evolutionary Algorithm Design for the Project Scheduling Problem based on Max Min Ant System Algorithm”, International Conference on Research and Development in Information Science and Communication Technology 2015, EGS Pillay Engineering College, Nagapattinam, May 8-9, 2015
14. **Sudhakar P** and Saranya S, “Mining Robust Overlapping Co-Clustering in the Presence of Noise”, International Journal of Computer Applications, Vol. 117(13), pp. 40-44, May 2015, ISSN: 0975 - 8887. (**UGC Journal**)
15. Saranya L and **Sudhakar P**, “Telegenic Based Human Action Tracking Using Evolution Features”, National Conference on Advanced Intelligent Computing and Applications '16 (NCAICA'16), 24<sup>th</sup>, March 2016, Thathanur, Meenakshi Ramasamy Engineering College, Thathanur, Ariyalur.
16. **Sudhakar P**, “Retrieval of Visual Image from a highly robustive and Invisible thermal image using Wavelet Transformation Technique”, Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2016) and Power, Circuit and Information Technologies (ICPCIT-2016), 19-21<sup>st</sup> May 2016, SRM University, Kattankulathur, Chennai.
17. Santhosh Kumar K and **Sudhakar P**, “Retrieval of Highly Related Documents Containing Gene Disease Association”, International Journal Simulation Systems, Science and Technology, Vol. 17(32), pp. 8.1-8.5, August 2016, ISSN: 1473-804X. (**Scopus**)

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20. Sathya R and **Sudhakar P**, "Prediction of Success or Failure of Software Projects based on Reusability Metrics using Support Vector Machine", International Journal on Recent and Innovation Trends in computing and communication, Vol. 4(9), pp. 20-24, September 2016, ISSN: 2321-8169.
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25. Vijay Ananth S and **Sudhakar P**, "Retrieval of Visual Image from a highly Robustive and Invisible Thermal Image using Curvelet Transformation Technique", International Journal of Control Theory and Applications, Vol. 9(16), pp. 7763-7772, 2016, ISSN: 0974-5572. (**Scopus**)
26. Kumar K and **Sudhakar P**, "A Study and Improvement on Video Association Mining Algorithm for Effective Confidence Support in Human Activity Dataset: An Event Perspective", International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 6(9), pp. 71-75, September 2016, ISSN: 2277-128X.
27. Mahalakshmi K, Manikandan S, Nithyanandham S, Sathyaseelan K A and **Sudhakar P**, "Unsupervised Learning Technique using Hybrid Optimization for Non-Functional Requirements Classification", Asian Journal of Information Technology, Vol. 15(9), pp. 1457-1467, 2016, ISSN: 1993-5994. (**Scopus**)

28. Saravanan S and **Sudhakar P**, “Mobile Towers Signal Propagation Problems in Rural Area and to Increase the Internet Speed in Telemedicine”, 2017 IEEE International Conference on Computer Communication and Informatics (ICCCI -2017), Jan. 05 – 07, 2017, Coimbatore, India.
29. Saravanan S and **Sudhakar P**, “Telemedicine Communication System in Mobile Units”, 2017 IEEE International Conference on Computer Communication and Informatics (ICCCI -2017), Jan. 05 – 07, 2017, Coimbatore, India.
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35. Dhanavijayan Ramakrishnan and **Sudhakar Pushparajan**, “Unified Particle Swarm Optimization based Feeder Reconfiguration for Radial Distribution Systems”, International Journal of Pure and Applied Mathematics, Vol. 117(21), pp. 953-958, 2017, ISSN: 1311-8080. (**Scopus**)
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40. Dhanavijayan Ramakrishnan and **Sudhakar Pushparajan**, “Simultaneous Placement of Distributed Generation and Reconfiguration in Distribution Networks Using Unified Particle Swarm Optimization”, International Journal on Future Revolution in Computer Science & Communication Engineering, Vol.4(3), pp. 41-48, March 2018, ISSN: 2454-4248. (**UGC Journal**)
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43. Zeenath A and **Sudhakar P**, “Surface Recovery Estimation using Gabor Channel Parameters”, International Journal of Scientific Research and Review, Vol. 7(5), pp. 365-370, May 2018, ISSN: 2279-543X. (**UGC Journal**)
44. Gayathri R and **Sudhakar P**, “Secure Migration of Data and Enhanced Accessibility in Cloud Environment”, Journal of Applied Science and Computations, Vol. 5(9), pp. 53-58, September 2018, ISSN: 1076-5131. (**UGC Journal**)
45. Gayathri R and **Sudhakar P**, “SecDedup: Cloud Data Deduplication of Security Enhanced Big Data”, International Journal of Scientific Research and Review, Vol. 7(9), pp. 319-324, September 2018, ISSN: 2279-543X. (**UGC Journal**)
46. Malathi S and **Sudhakar P**, “Implementation of Software Refactoring using FODA Tool”, 2018 IEEE International Conference on Communication and Electronics Systems (ICCES-2018), pp. 839-842, October. 15 – 16, 2018, PPG Institute of Technology, Coimbatore, India. ISBN: 978-1-5386-4764-6.
47. Gowrisankar Kalakoti, Prabhakaran G and **Sudhakar P**, “Content based Video Retrieval Systems with Local Features - A Survey”, DST-PURSE sponsored National Conference on Recent Trends in Computing and Information Technology (RTCIT'18), pp. 159-164, 13-14 November 2018, Annamalai University. ISBN: 978-93-87862-35-7.

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49. Vijayanand S, **Sudhakar P** and Sundari K, “Audio Steganography under LSB Algorithm using Thermal Image”, DST-PURSE sponsored National Conference on Machine Learning Techniques (NCMLT 2018), pp. 294-298, 12-13 December 2018, Annamalai University, ISBN: 978-81-937382-1-4.
50. Udayakumar J, Prabhakaran G and **Sudhakar P**, “Image watermarking and Encryption scheme for copyright protection using Chaotic Maps Cryptography”, DST-PURSE sponsored National Conference on Machine Learning Techniques (NCMLT 2018), pp. 67-71, 12-13 December 2018, Annamalai University, ISBN: 978-81-937382-1-4.
51. Gayathri R and **Sudhakar P**, “An ABC Optimized Data Migration And DE duplication In Secure Cloud Environment”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 10 (13), pp. 1192-1198, December 2018, ISSN: 1943-023X. (**Scopus**)
52. Saranya L and **Sudhakar P**, “A Novel Approach for Scene Image Classification using Transform based Ordered Mean Vector”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 10 (13), pp. 2545- 2550, December 2018, ISSN: 1943-023X. (**Scopus**)
53. **Malathi S** and **Sudhakar P**, “Develop and Implement of FODA tool for Refactoring and Reusability of a Software”, International Journal of Scientific Research and Review, Vol. 8(3), pp.553-558, March 2019, ISSN: 2279-543X. (**UGC Journal**)
54. **Malathi S** and **Sudhakar P**, “Reusability of a Legacy Software System Model”, Journal of Applied Science and Computations, Vol. 6(3), pp. 1439-1445, March 2019. ISSN: 1076-5131. (**UGC Journal**)
55. Saranya L and **Sudhakar P**, “Secure Content Based Image Retrieval from Private Cloud Image Repositories”, International Journal of Scientific Research and Review, Vol. 8(3), pp. 644-649, March 2019. ISSN: 2279-543X. (**UGC Journal**)
56. Hari Krishnan S, Vijayananth S, **Sudhakar P**, Hari Krishnan, Priyadharshini K, Gowsic M, Mahesh M , “Plant Disease Analysis using Image Processing in Matlab”, 2<sup>nd</sup> IEEE International Conference on Systems, Computation, Automation and Networking, pp. 695-697, 29-30 March 2019, Manakula Vinayagar Institute of Technology, Puducherry. ISBN: 978-1-7281-1524-5.
57. R. P. Jaia Priyankka, Dr. S. Arivalagan and **Dr. P. Sudhakar**, “Efficient Collaborative Filtering Based Recommendation System for Business Promotions Using Deep Neural Network”, 7<sup>th</sup> International Conference on Contemporary Engineering and Technology, Prince Shri Venkateswara Padmavathy Engineering College, Chennai, 9-10 March 2019, ISBN: 978-93-81288-18-4.

58. H. Anwer Basha, Dr. S. Arivalagan, **Dr. P. Sudhakar** and R. P. Narmadha, "A New Deterministic Code Allocation Technique for Data Compression in Wireless Sensor Networks", 7<sup>th</sup> International Conference on Contemporary Engineering and Technology, Prince Shri Venkateswara Padmavathy Engineering College, Chennai, 9-10 March 2019, ISBN: 978-93-81288-18-4.
59. Sibi Amaran. Dr. R. Madhan Mohan and **Dr. P. Sudhakar**, "Energy Conservation in Wireless Sensor Networks using Data Aggregation Protocols – A Survey", 7<sup>th</sup> International Conference on Contemporary Engineering and Technology, Prince Shri Venkateswara Padmavathy Engineering College, Chennai, 9-10 March 2019, ISBN: 978-93-81288-18-4.
60. Baskar Kasi, Arivalagan S, **Sudhakar P**, Seshathiri, Saravanan and Mohan S, "IMC Controller for a class of Higher Order Overdamped Systems Approximated as Lower Order Integer and Non-Integer Models using Genetic Algorithm", 2<sup>nd</sup> IEEE International Conference on Systems, Computation, Automation and Networking, 29 -30 March 2019, Manakula Vinayagar Institute of Technology, pp. 1043-1052, Puducherry. ISBN: 978-1-7281-1524-5.
61. R. P. Jaia Priyankka, Dr. S. Arivalagan and **Dr. P. Sudhakar**, "Performance Analysis of Effective Optimization Algorithm based Collaborative Movie Recommender Systems", International Journal of Scientific Research and Review, Vol. 8(4), pp. 511-527, April 2019, ISSN: 2279-543X. (**UGC Journal**)
62. P. S. Ramesh, Dr. S. Arivalagan, **Dr. P. Sudhakar**, "Analysis of various Methods for Diagnosing Alzheimer Disease and their Performances", International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISSET 2019), pp. 1098- 1105, 19-20 April 2019, Bharath Institute of Higher Education and Research, Chennai.
63. Vijayanand S, **Sudhakar P** and Arivalagan S, "Data Hiding in Thermal Image using Levenberg Marquardt Technique", National Conference on Power, Circuit and Sustainable energy Systems (PSES-2019), pp. 01-02, 25-26 April 2019, SRM Institute of Science and Technology, Chennai.
64. R. Bhuvaneeswari, **P. Sudhakar** and S. Arivalagan, "An Extensive Review of Machine Learning based Data Classification Methods for Heart Disease Prediction", Journal of Applied Science and Computations, Vol. 6(4), pp. 2327-2336, April 2019, ISSN: 1076-5131. (**UGC Journal**)
65. R. Bhuvaneeswari, **P. Sudhakar** and R. Arunkumar, "An Efficient Heart Disease Diagnosis Model using Hybrid Binary Particle Swarm Optimization with Support Vector Machine (BPSO-SVM)", Journal of Applied Science and Computations, Vol. 6(4), pp. 2337-2352, April 2019, ISSN: 1076-5131. (**UGC Journal**)
66. H. Anwer Bhasha, S. Arivalagan, **P. Sudhakar** and R.P. Narmadha, "A New Deterministic Code Collection Technique for Data Compression in Wireless Sensor Networks", International Journal of Recent Technology and Engineering, Vol. 7(5C), pp. 80-86, April 2019, ISSN: 2277-3878. (**Scopus**)

67. Saranya L, **Sudhakar P** and Mohan S, "Enhanced Object Detection Model using Color and Shape Features Extraction", Journal of Applied Science and Computations, Vol. 6(5), pp. 128-134, May 2019, ISSN: 1076-5131. (**UGC Journal**)
68. C. Christy, S. Arivalagan and **P. Sudhakar**, "Human Face Recognition and Identifying Ethnicity using Machine Learning", International Journal of Information and Computing Science, Vol. 6(5), pp. 211-215, May 2019. ISSN: 0972-1347. (**UGC Journal**)
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70. P. S. Ramesh, Dr. S. Arivalagan and **Dr. P. Sudhakar**, "An Enhanced Approach to detect Alzheimer Disease in patients based on Spectral Domain Optical Coherence Tomography", Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, Special Issue 05, pp. 1827-1836, May 2019. ISSN: 1943-023X. (**Scopus**)
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72. S. Vijay Ananth, P. Sudhakar, K. Sundari, Nibi Maouriyan, R. Raghavi and **S. Arivalagan**, "Data Hiding in Thermal Image using Levenberg Marquardt Technique", International Journal of Recent Technology and Engineering, Vol. 8(1S4), pp. 421-424, June 2019, ISSN: 2277-3878. [**Scopus Journal**]
73. C. Christy, Dr. S. Arivalagan and **Dr P. Sudhakar**, "Deep Learning with Chaotic Encryption based Security Ethnicity Recognition", Third International Conference on Electronics, Communication and Aerospace Technology (ICECA 2019), pp. 814-819, 12-14 June 2019, RVS Technical Campus, Coimbatore. ISBN: 978-1-7281-0167-5/19 [**International Conference**]
74. A. Nirmala, Dr. S. Arivalagan and **Dr. P. Sudhakar**, "Performance Evaluation of Bio-Inspired based Visual Tracking Algorithm", Third International Conference on Electronics, Communication and Aerospace Technology (ICECA 2019), pp. 831-836, 12-14 June 2019, RVS Technical Campus, Coimbatore. ISBN: 978-1-7281-0167-5/19 [**International Conference**]
75. R. Bhuvaneeswari, **P. Sudhakar** and G. Prabakaran, "Heart Disease Prediction Model based Ongradient Boosting Tree (GBT) Classification Algorithm", International Journal of Recent Technology and Engineering, Vol. 8, No. 2S11, pp. 41-51, 2019, ISSN: 2277-3878. (**SCOPUS Indexed**)
76. R. Bhuvaneeswari, **P. Sudhakar** and R. P. Narmadha, "Intelligent Heart Disease Diagnosis System Using Distance Based Outlier Detection with Gradient Tree



Boosting Algorithm”, International Journal of Scientific & Technology Research, Vol. 8, No. 11, pp. 2255-2274, 2019, ISSN: 2277-8616. (**SCOPUS Indexed**)

77. R. Bhuvaneeswari, **P. Sudhakar** and S. Arivalagan, “An Extensive Review of Machine Learning based Data Classification Methods for Heart Disease Prediction”, Journal of Applied Science and Computations, Vol. 6, No. 4, pp. 2327-2336, 2019, ISSN: 1076-5131 (**UGC Listed**)
78. R. Bhuvaneeswari, **P. Sudhakar** and R. Arunkumar, “An Efficient Heart Disease Diagnosis Model using Hybrid Binary Particle Swarm Optimization with Support Vector Machine (BPSO-SVM)”, Journal of Applied Science and Computations, Vol. 6, No. 4, pp. 2337-2352, 2019, ISSN: 1076-5131 (**UGC Listed**)
79. R. Bhuvaneeswari, **P. Sudhakar** and R. P. Narmadha, “Machine Learning based Optimal Data Classification Model for Heart Disease Prediction”, 2<sup>nd</sup> International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2019), Springer, JCT College of Engineering and Technology, Coimbatore, Tamilnadu, 12-13 September 2019. (**Springer Conference**)
80. R. Bhuvaneeswari, **P. Sudhakar** and R. P. Narmadha, “Density based Clustering with Classification Model for Healthcare Diagnosis and Prediction”, International Conference on Advances in Computing and Information Technology (ICACIT’19), Annamalai University, Annamalainagar, Tamilnadu, 24-25 September 2019.
81. R. Bhuvaneeswari, **P. Sudhakar** and R. P. Narmadha, “Analysis of Mis-Grouped Instances in Heart Disease Dataset using Various Clustering Techniques”, 2<sup>nd</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2019), IEEE, Francis Xavier Engineering College, Tirunelveli, Tamilnadu, 27-29, November 2019. (**IEEE Conference**)
82. M. Arasakumar and **P. Sudhakar**, “An Effective Feature subset Selection based Data Classification Model using Stochastic Ant Colony Optimization in Healthcare Industry”, Journal of Information and Computational Science, Vol. 9, No. 12, pp.1653-1678, 2019, ISSN: 1548-7741. (**UGC Journal**)
83. M. Arasakumar and **P. Sudhakar**, “An Effective Dynamic Weight based Grey Wolf Optimization Algorithm with Support Vector machine for Classification in Healthcare Industry”, Science, Technology and Development Journal, Vol. 9, No. 01, pp. 125-146, 2020, ISSN: 0950-0707.(**UGC Journal**)
84. Saravanan S and **Sudhakar P**, “Telemedicine system using Mobile Internet communication”, International Journal of Pervasive Computing and Communications, Vol. X, No. XX, pp. xxx-xxx, ISSN: 1742-7371. <https://doi.org/10.1108/IJPC-09-2019-0067>. (**Web of Science Journal**)

SCI	-	01
WoS	-	01
SCOPUS	-	25
UGC	-	20
Other Refereed Journals	-	08
National Conferences	-	06
International Conferences	-	21
Others	-	02
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<b>Total</b>		<b>84</b>