

Publications:

Research Publications: 130 (57 International Journals, 65 International conf & 8 National Conf. papers.)

Books published: 20**International Journals:**

1. Lakshmi Sasilal and Govindan V K; Arithmetic Coding- A Reliable Implementation, International, International Journal of Computer applications (IJCA), vol. 73, No. 7, ISBN:973-93-80876-07-5, 2013.
2. Rahna E and V K Govindan, A Novel Technique for Secure, Lossless Steganography with Unlimited Payload and without Exchange of Stegoimage, International Journal of Advances in Engineering & Technology (IJAET), Volume 6 Issue 3, pp. 1263-1270, 2013.
3. Vidya A S and Govindan V K; Video Surveillance System for Security Applications; International, International Journal of Computer applications (IJCA), vol. 74 , No. 1, ISBN:973-93-80876-31-6, 2013.
4. Saumya Sadanandan and V K Govindan; Image Compression with Modified Skipline Encoding and Curve Fitting, International Journal of Computer applications (IJCA), vol. 74, No. 5, ISBN:973-93-80876-35-9, 2013.
5. Lijiya A, Mumthas T K and Govindan V K; Karyotyping of Human Chromosomes Using M_FISH Images; International Journal of management and information technology (IJMIT), 2013.
6. Saidalavi Kalady, V. K Govindan, Abraham T Mathew; Mathematical Modeling and Experimental evaluation of Optimal Agendas and Procedures for N-Issue Negotiation; International Review on Computers and Software (I.RE.CO.S.), Vol. 01, No. 02, 2013.
7. Saritha Murali and V K Govindan, Shadow Detection and Removal From a Single Image Using LAB Color Space, in Cybernetics and Information Technologies Volume 13, No 1, pp. 95-103, 2013; Print ISSN: 1311-9702; Online ISSN: 1314-4081; DOI: 10.2478/cait-2013-0009.
8. Jyothisha J Nair, V K Govindan, "Multi-scale Segmentation Based on Nonlinear Complex Di_usion"; accepted for publishing in Journal of Medical Imaging and Health Informatics for the Jun. 2013 issue, American Scientific Publishers.

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11. Jasmin T jose and V K Govindan; Efficient Algorithm for Varying Area based Shadow Detection in Video Sequences; International Journal of Computer applications (IJCA), ISBN : 973-93-80875-76-7; vol. 72, No. 16, June 3013.
12. Bairagi Nath Behera and V K Govindan; Improved Multimodal Biometric Watermarking in Authentication Systems Based on DCT and Phase Congruency Model; IJCSN International Journal of Computer Science and Network, Volume 2, Issue 3, June 2013; ISSN (Online): 2277-5420 www.ijcsn.org,
13. Jasmin T jose and V K Govindan; Varying Area Based Shadow Detection in Video Sequences; Communications in Computer and Information Science 2013; LNCS pp. 114–123, 2013.
14. Lijiya A, Mumthas T K and Govindan V K Chromosome Classification using M-FISH Images; Communications in Computer and Information Science, LNCS, pp. 80–89, 2013.
15. Vidya A S and V K Govindan Video Surveillance System for Security Applications; Communications in Computer and Information Science 2013; LNCS pp. 70–79, 2013.
16. Lakshmi Sasilal and V. K. Govindan; Arithmetic Coding-An Enhanced Implementation Using Locality; Lecture Notes On Information Theory Vol.1, No. 3, September 2013, ISSN : 2301-3788.
17. Rahna E and V K Govindan; A Novel Technique for Secure, Lossless Steganography with Unlimited Payload; International Journal of Future Computer Communication Vol. 2, No. 6, pp. 638-64, : 2010-3751. DOI: 10.7763/IJFCC. 2013.V2.243.

18. Prasad Someswara, V. K. Govindan, Sathidevi P. S.; "Image quality augmented intramodal Automatic Palmprint authentication," Accepted for publication in IET Image processing.
19. Rakhee M, Govindan V.K and Baiju Karun; Enhancing the Precision of Walsh Wavelet Based Approach for Color and Texture Feature Extraction in CBIR by Including a Shape Feature, Bulgarian Academy of Sciences, Cybernetics And Information Technologies, Volume 13, No 2, 2013, Print ISSN: 1311-9702; Online ISSN: 1314-4081, DOI: 10.2478/cait-2013-0011.
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21. Jyothisha J Nair, and V K Govindan; Automatic Segmentation Employing Fuzzy Connectedness, paper (ID 8331) has been accepted and will be published on the *International Review on Computers and Software (IRECOS)*, 2012
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23. Leena Silvester and V.K.Govindan, "Enhancement of CNN based EM image segmentation," Cybernetics and information technologies, Vol 12, No. xx, 2012.
24. Sithara Kanakaraj, Govindan V K and Pournami P N, A fast brain image registration using axial transform; Communications in Computer and Information science, 2012, vol. 292, part 2, pp. 206-212, DOI: 10.1007/978-3-642-31686-9_24.
25. Aswin Sekhar T K and V K Govindan; Enhanced approach for 3D model reconstruction from silhouettes; Communications in Computer and Information science, 2012, vol. 292, part 2, 149-158, DOI: 10.1007/978-3-642-31686-9_17.
26. Leena Silvester and V K Govindan, Convolutional Neural Network Generated Affinity Graph based Segmentation, in International Journal of Information Processing, vol. 6, issue 1, pp. 67-75, 2012. ISSN : 0973-8215.
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31. Prasad SM, V K Govindan and Sathidevi, Palmprint Authentication Using Fusion of Wavelet and Contourlet Features, Security and Communication Networks, Vol. 4, Issue 5, pp577-590, May 2011.
32. K.Santle Camilus, V. K. Govindan and P. S. Sathidevi , Pectoral muscle identification in Mammograms, Journal of Applied Clinical Medical Physics (JACMP), vol 12, N0. 3, Summer 2011
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41. Prasad SM, V K Govindan and Sathidevi, An efficient wavelet based palmprint verification approach , International Journal of Wavelets, Multiresolution and Information Processing (IJWMIP) , Vol. 8, No. 6 (2010), pp 961–985, World Scientific Publishing Company.
42. K.Santle Camilus, V. K. Govindan and P. S. Sathidevi, A mean based graph theoretic approach for image segmentation”, International Journal of Signal and Imaging Systems Engineering, Inderscience Publishers Ltd., Vol. 2, No ½, 2009.
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49. Amar Pratap singh, V. K. Govindan, and M P Sebastian; Intelligent location tracking strategy for managing user's mobility in UMTS network, Journal of Mobile communication 1(3): 101- 108, ISSN:1990-974X, Medwell Journals, 2007.
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2. Books published:

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2. Operating systems, Acharya Nagarjuna University (A P), for Distance education programme (MTech Computer Science), (Co-authored, about 80% of the content by me, ISBN: 978-81-259-3339-7, Vikas Publishing House private limited, NewDelhi, 2009,
3. Operating system and Unix, (MSC-13/ MCA-13, MDU), (Co-authored, about 60% of the content by me), ISBN: 978-81-259-3982-5, Vikas Publishing House private limited, NewDelhi, 2010,
4. Operating systems, (Co-authored, about 50% of the content by me), ISBN 978-81-259-3704-3, Vikas Publishing House private limited, NewDelhi, 2009
5. Computer Architecture and organization (MTech CS), 3 chapters (Co-authored, about 20% contents by me), ISBN: 978-81-259-3348-9, Vikas Publishing House private limited, NewDelhi, 2010.
6. Operating system organization and UNIX, 5 chapters of the Book (Co-authored, about 60% contents by me): ISBN: 978-81-259-3898-9, Vikas Publishing House private limited, NewDelhi, 2010.
7. A Book on *Computer basics* in regional language (Malayalam) entitled “Computer Padikkuka Pravarthippikkuka” published by Saint Jude Books , Calicut, Kerala, India, 2001.
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11. Operating system (ITOL 213, Gauhati), (Co-authored), ISBN: 9788125953142, VPH, New Delhi,2011.

12. Operating system (MCA 3rd SEm, Course code 10, KKHSOU), (Co-authored), ISBN: 9788125949268, VPH, New Delhi,2011.

13. Operating system (BBA 640, Elective 3, , BVP), (Co-authored), ISBN: 9788125937043, VPH, New Delhi,2011.

14. Operating system (BSCCS) (4th sem) (C404-T, MGU), (Co-authored), ISBN: 9788125949503, VPH, New Delhi,2011.

15. Operating system (DMCA-105)-ANU, ,ISBN: 9788125933298, VPH, New Delhi,2011.

16. Operating system (DMSOIT-05)- ANU, ISBN: 9788125933304, VPH, New Delhi,2011.

17. Operating system (MCA 404)- PTU, ISBN: 9788125932215, VPH, New Delhi,2011.

18. Operating system (MCA 2nd Sem)(-MCA-204)-MGU, (Co-authored), ISBN: 9789325955356, VPH, New Delhi,2011.

19. Operating system Organization and UNIX (BCA- 206)- MDU, (Co-authored), ISBN: 9788125938989, VPH, New Delhi,2011.

20. Operating system (MTech CS, Course code -100, ANU) (Co-authored), ISBN: 9788125933397, VPH, New Delhi,2011.
