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PUBLICATIONS RECENT FIVE YEARS

1. G,UMAMAHESHWARI, MOHANDASS, S & SARANYA, N , "MODIFIED INTERFERENCE CANCELLATION TECHNIQUES FOR DUALRATE COGNITIVE RADIO SYSTEM BASED ON MULTICARRIER CDMA" INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH VOLUME 10(4), NUMBER 16, PP. 12277-12282, 2015, DOI: 10.1504/IJICT.2017.084334 ISSN 0973-4562.
2. SENTHILKUMAR AND G. UMAMAHESHWARI, "BREAST CANCER DETECTION USING COMBINED CURVELET BASED ENHANCEMENT AND A NOVEL SEGMENTATION METHODS", BIOMED PAP MED FAC UNIV PALACKY OLOMOUC CZECH REPUB. 2015 MAR; 159(1):83-86. DOI: 10.5507/BP.2015.097
3. REBA PAUL SAM, UMAMAHESHWARI. G, "ANTENNA SELECTION AND ADAPTIVE POWER ALLOCATION FOR IA -BASED UNDERLAY CR", IET SIGNAL PROCESSING, ISSN 1751-9675, OCTOBER 2017, ANNEXURE I, IF:1.298, DOI: 10.1049/IET-SPR.2016.0495
4. G.UMAMAHESHWARI AND M. MEGALA (2016), "CROSS-SITE SCRIPTING ATTACK DETECTION AND REMOVAL USING ANT COLONY OPTIMIZATION APPROACH", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, VOL. 6, NO. 12, DECEMBER 2016, PP. 471-482. DOI NUMBER:10.5958/2249-7315.2016.01304.6
5. G. UMAMAHESHWARI AND M. MEGALA (2016), "SHIELDING CROSS-SITE SCRIPTING ATTACKS USING THE STATE OF ART TECHNIQUES", MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH 24 (12): 3748-3754, 2016, IDOSI PUBLICATIONS, 2016, DOI: 10.5829/IDOSI.MEJSR.2016.3748.3754, ISSN 1990-9233.
6. S.MOHANDASS AND G. UMAMAHESHWARI, "TAPPING TV WHITE SPACE SPECTRUM FOR TELEMEDICINE APPLICATIONS IN INDIA", INTERNATIONAL JOURNAL OF TELEMEDICINE AND CLINICAL PRACTICES, ,1(3):224, JANUARY 2016 DOI: 10.1504/IJTMCP.2016.077901.
7. SARANKUMAR R, P. POONGODI, G. UMAMAHESHWARI,"PILOT DESIGN USING BISECTION SEARCHING ALGORITHM FOR OFDM BASED COGNITIVE RADIO SYSTEM", INTERNATIONAL JOURNAL OF CONTROL THEORY AND APPLICATIONS, 9(12), PP.5649- 5653, 2016.
8. SARANKUMAR, R, POONGODI, P &UMAMAHESHWARI, G,"ADAPTIVE PHASE ADJUSTMENT AND CHANNEL PREDICTION STRATEGIES (APA-CPS) IN MIMO-OFDM BASED COGNITIVE RADIOS", ASIAN JOURNAL OF INFORMATION TECHNOLOGY, 1515(111), PP.51816-1824, 2016.
9. SARANKUMAR R, P.POONGODI , G.UMAMAHESHWARI,"OUT OF BAND RADIATION CONTROL IN OFDM BASED COGNITIVE RADIO SYSTEMS", MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH, 24(2), PP.259-263, 2016.

10. R. SARANKUMAR, P. POONGODI AND G. UMAMAHESWARI, "ADAPTIVE PHASE ADJUSTMENT AND CHANNEL PREDICTION STRATEGIES (APA-CPS) IN MIMO-OFDM BASED COGNITIVE RADIOS", (2016), ASIAN JOURNAL OF INFORMATION TECHNOLOGY VOL 15(11), PP 1816-1824, MEDWELL JOURNALS, ISSN:1682-3915,DOI: 10.3923/AJIT.2016.1816.1824.
11. G.UMAMAHESWARI AND S. SHIVKUMAR, "EFFICIENT TRANSMISSION OF PKI CERTIFICATES USING ELLIPTIC CURVE CRYPTOGRAPHY AND ITS VARIANTS", INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, VOL 13, NO 1, PP-38- 43, 2016 ISSN: 1683-3198
12. R.SARANKUMAR, P.POONGODI, G.UMAMAHESWARI, "OUT OF BAND RADIATION CONTROL IN OFDM BASED COGNITIVE RADIO SYSTEMS", MIDDLE EAST JOURNAL OF SCIENTIFIC RESEARCH 24(2): 259-263, 2016, ISSN 1990-9233, DOI: 10.5829/IDOSI.MEJSR.2016.2016.24.02.22933.
13. R.SARANKUMAR, P.POONGODI, G.UMAMAHESWARI, "MODELING OF ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYSTEM", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCE AND HUMANITIES, VOL. 7, NO. 1, JANUARY 2017, PP. 711-715. DOI: 10.5958/2249-7315.2016.01403.9.
14. SARANKUMAR R, POONGODI, P &UMAMAHESWARI, G, 2017, "MODELLING OF ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYSTEM", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCE AND HUMANITIES, 7(1), PP.2249-7315, 2017.
15. P.REBA, G. UMAMAHESWARI, MOSES SATHEESH BABU, "MULTIPLE ANTENNA SELECTION FOR UNDERLAY COGNITIVE RADIO SYSTEMS WITH INTERFERENCE CONSTRAINT", WIRELESS PERSONAL COMMUNICATION, ISSN 0929-6212, SEPTEMBER 2017, ANNEXURE 0.951, DOI:10.1007/S11277-017-4931-7.
16. S.MOHANDASS AND G. UMAMAHESWARI, "MODIFIED HYBRID INTERFERENCE CANCELLATION ALGORITHM FOR UPLINK COGNITIVE RADIO TRANSMISSION BASED ON OVERLOADED DS-CDMA", INTERNATIONAL JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY ISSN: 1741-8070, JANUARY 2017, ISSN: 1466-6642, DOI.ORG/10.1504/IJICT.2017.084334.
17. ARUN. S, G. UMAMAHESWARI, "CROSS LAYER DESIGN BASED CHANNEL AWARE MULTIPATH ROUTING TOWARDS PRIMARY USER EMULATION ATTACK", JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, AMERICAN SCIENTIFIC PUBLISHERS, VOL 14, NO 11, NOVEMBER 2017, PP. 5209-5214, ISSN:1546-1955,0.810, DOI: 10.1166/JCTN.2017.7131.
18. G. UMAMAHESWARI, KIRUTHIKA M, PRIYADARSINI S, RISHWANA ROSHAN K, SHIFANA PARVIN V M, "VOICE BASED INFORMATION RETRIEVAL SYSTEM", INTERNATIONAL

JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY, VOL. 6, ISSUE 12, DECEMBER 2017, ISSN(ONLINE):2319-8753, ISSN (PRINT): 2347-6710, DOI:10.15680/IJIRSET.2017.0612105.

19. S.MUTHUSHARMILA, G.UMAMAHESWARI, DESIGN OF SECURE DICOM IMAGE TRANSMISSION WITH TAMPER LOCALIZATION,TECHNOLOGY JOURNAL,VOLUME : 13 NO.2 JUN 2017,ISSN CODE:0973-1334.
20. P REBA, G UMAMAHESWARI, G SUCHITRA, PERFORMANCE INVESTIGATION OF INTERFERENCE ALIGNMENT TECHNIQUES FOR UNDERLAY MIMO COGNITIVE RADIO NETWORKS. 15TH IEEE INDIA COUNCIL INTERNATIONAL CONFERENCE (INDICON), 1-5, 2018.
21. G. UMAMAHESWARI AND ARUN S, PERFORMANCE ANALYSIS OF ANTI-JAMMING TECHNIQUE USING ANGLE OF ARRIVAL ESTIMATION IN CRN'S,2015 3RD INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, COMMUNICATION AND NETWORKING (ICSCN), 26-28 MARCH 2015, DOI: 10.1109/ICSCN.2015.7219875, ISBN:978-1-4673-6823-0
22. S. ARUN AND G. UMAMAHESWARI, AN ADAPTIVE LEARNING-BASED ATTACK DETECTION TECHNIQUE FOR MITIGATING PRIMARY USER EMULATION IN COGNITIVE RADIO NETWORKS, CIRCUITS, SYSTEMS, AND SIGNAL PROCESSING ,VOL. 39, PP1071–1088(2020), SPRINGER,HTTPS://DOI.ORG/10.1007/S00034-019-01123-Z, ISSN: 0278-081X, E-ISSN: 1531-5878
23. P. MERLIN TERESA & G. UMAMAHESWARI, COMPACT SLOTTED MICROSTRIP ANTENNA FOR 5G APPLICATIONS OPERATING AT 28 GHZ, IETE JOURNAL OF RESEARCH, PUBLISHED ONLINE: 24 JUN 2020,HTTPS://DOI.ORG/10.1080/03772063.2020.1779620