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#### Journal Publications

#### Elsevier

[1] C. Thiruvengadam, M. Palanivelan, **K. Senthil Kumar** and T. Jayasankar, "Low power approximate adder based repetitive iteration cord (LP-ARICO) algorithm for high speed applications", Microprocessors and Microsystems, vol. 78, no., pp. 1-10, October 2020. ISSN: 01419331, IF: 1.161, DOI: 10.1016/j.micpro.2020.103260

### **Taylor & Francis**

[2] **K. Senthil Kumar** and R. Amutha, "Lifetime maximization with guaranteed minimum end-to-end energy consumption scheme for virtual multiple-input-multiple-output in wireless sensor networks", Australian Journal of Electrical and Electronics Engineering, vol. 16, no. 4, pp. 357-368, October 2019. DOI: 10.1080/1448837X.2019.1676088

### **Springer**

- [3] M. Kanthimathi, R. Amutha and K. Senthil Kumar, "Energy efficiency analysis of differential cooperative algorithm in wireless sensor network", Cluster Computing, vol. 22, no. 4, pp. 9837-9845, July 2019. ISSN: 13867857, IF: 3.458, DOI: 10.1007/s10586-017-1688-4
- [4] M. Kanthimathi, R. Amutha and **K. Senthil Kumar**, "Energy efficient differential cooperative MIMO algorithm for wireless sensor network", Wireless Personal Communications, vol. 103, no. 4, pp. 2715-2728, December 2018. ISSN: 09296212, IF: 1.061, DOI: 10.1007/s11277-018-5957-1

## Other SCI and Scopus Indexed Journals

[5] K. Senthil Kumar, R. Amutha, M. Palanivelan et al., "Receive diversity based rate optimization for improved network lifetime and delay efficiency of wireless body area networks", PLoS One, vol., no., pp. 1-20, October 2018. ISSN: 1932-6203

DOI: 10.1371/journal.pone.0206027

Publisher: Public Library Science

[6] K. Senthil Kumar and R. Amutha, "Energy efficient wireless body area network using receive diversity" Journal of Engineering Science and Technology, vol.13, no. 8, pp. 2616-2631, August 2018. ISSN:1823-4690

Link:http://jestec.taylors.edu.my/Vo1%2013%20issue%208%20August%202018/

13 8 24.pdf

Publisher: Taylors University

[7] K. Senthil Kumar and R. Amutha, "An algorithm for energy efficient cooperative communication in wireless sensor networks", KSII Transactions on Internet and Information Systems, vol. 10, no. 7, pp. 3080-3099, July 2016. 10.3837/tiis.2016.07.012, ISSN: 1976-7277

Publisher: KSII-KOR SOC INTERNET INFORMATION

# **Other Scopus Indexed Journals**

- [8] K. Senthil Kumar and R. Amutha, "Delay Efficiency Analysis of turbo Coded Cooperative Communication in Wireless Sensor Networks", Australian Journal of Basic and Applied Sciences, vol. 10, no. 1 pp. 451-456, January 2016. ISSN: 1991-8178 Publisher: International Network for Scientific Information Publication (INSI)
- [9] K. Senthil Kumar, M. Palanivelan, M. Sivaram, P. Shanmugapriya, V. Bakyalakshmi, "A Cyclotomic Lattice Based Closed Loop QOSTBC for Four Transmit Antennas," International Journal of Engineering and Advanced Technology, vol. 8, no. 5S3, pp. 167-171, July 2019. DOI: 10.35940/ijeat.E1040.0785S319 Publisher: Blue Eyes Intelligence Engineering and Sciences Publication
- [10] K. Senthil Kumar, Palanivelan M, Noormohammed V, Helanvidhya T, Yogalakshmi V and Bakyalakshmi V, "On the Performance of Code Word Diversity based Quasi Orthogonal Space Time Block Codes in Multiple-Input-Multiple-Output Systems", International Journal of Electrical and Computer Engineering, vol. 10, no. 3, pp. 101-109, June 2020. DOI: http://doi.org/10.11591/ijece.v10i3.pp%25p Publisher: Institute of Advanced Engineering and Science (IAES)
- [11] J. Karthi, M. Palanivelan, K. Senthil Kumar, V. Asokan and V. Noormohammed, "A compact planar UWB antenna design using DGS for wireless applications", Xi'an Dianzi Keji Daxue Xuebao/Journal of Xidian University, vol. 14, no. 4, pp. 3683-3691, April 2020. DOI: https://doi.org/10.37896/jxu14.4/397

**Publisher: Science Press** 

- [12] Asokan. V, Palanivelan. M, **Senthil Kumar. K**, Karthi. J and Lakshmanan, M, "Performance analysis of DGS based rectangular patch antenna for tri-band applications", Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika), vol. 79, no. 11, pp. 963-97, August 2020. DOI: 10.1615/TelecomRadEng.v79.i11.60
  Publisher: Begell House
- [13] **Senthil Kumar. K**, Palanivelan. M, Asokan. V, Karthi. J and Lakshmanan, M, "Energy efficient hamming coded cooperative communication", Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika), vol. 79, no. 77, pp. 1521-1528, November 2020.

Publisher: Begell House

## **Other Journals (Non-Scopus)**

- [14] R. Priyanga, **K. Senthil Kumar** and R. Amutha, "MPSK Modulation based Energy Efficient Wireless Body Area Network" in International Journal of Advanced Research Trends in Engineering and technology, vol. 4, no. 19, pp. 272-276, April 2017. ISSN: 2394-3777
- [15] **K. Senthil Kumar** and R. Amutha, "Energy efficient cooperative communication using QOSTBC in wireless sensor networks", International Journal of Advanced Engineering Technology, vol. 7, no. 1, pp. 244-251, March 2016. EISSN: 0976-3945