

1. Lakshmi, C., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Genetic and chaotic signatures in offspring – an encrypted generation of image family (2020) *Multimedia Tools and Applications*, DOI: 10.1007/s11042-020-09978-0.
2. Padmapriya, V.M., Thenmozhi, K., Avila, J., Amirtharajan, R., Praveenkumar, P. Real Time Authenticated Spectrum Access and Encrypted Image Transmission via Cloud Enabled Fusion centre (2020) *Wireless Personal Communications*, 115, 2127–2148, DOI: 10.1007/s11277-020-07674-8
3. Devi, R.S., Aravind, A.R.N., Vishal, J.C., Amritha, D., Thenmozhi, K., Rayappan, J.B.B., Rengarajan, A., Padmapriya, P. Image encryption through RNA approach assisted with neural key sequences (2020) *Multimedia Tools and Applications*, 79 (17-18), pp. 12093-12124.
4. Padmapriya, V.M., Thenmozhi, K., Praveenkumar, P., Amirtharajan, R. ECC joins first time with SC-FDMA for Mission “security” (2020) *Multimedia Tools and Applications*, 79 (25-26), pp. 17945-17967.
5. Lakshmi, C., Ravi, V.M., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Con(dif)fused voice to convey secret: a dual-domain approach (2020) *Multimedia Systems*, 26, 301–311,
6. Lakshmi, C., Thenmozhi, K., Rayappan, J.B.B. et al. Neural-assisted image-dependent encryption scheme for medical image cloud storage. *Neural Comput & Applic* (2020). <https://doi.org/10.1007/s00521-020-05447-9>.
7. Lakshmi, C., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Hopfield attractor-trusted neural network: an attack-resistant image encryption (2020) *Neural Computing and Applications*, 32 (15), pp. 11477-11489.
8. Chidambaram, N., Raj, P., Thenmozhi, K., Rajagopalan, S., Amirtharajan, R. A cloud compatible DNA coded security solution for multimedia file sharing & storage(2019) *Multimedia Tools and Applications*, 78 (23), pp. 33837-33863.
9. Janakiraman, S., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Indicator-based lightweight steganography on 32-bit RISC architectures for IoT security (2019) *Multimedia Tools and Applications*, 78 (22), pp. 31485-31513.
10. Lakshmi, C., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Open hiding for truncating hackers - a block truncation and wavelet approach (2019) *Multimedia Tools and Applications*, 78 (8), pp. 9951-9969.
11. Devi, R.S., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R., Praveenkumar, P. Entropy Influenced RNA Diffused Quantum Chaos to Conserve Medical Data Privacy (2019) *International Journal of Theoretical Physics*, 58, pages1937–1956 .
12. Revathi, A., Jeyalakshmi, C., Thenmozhi, K. Person authentication using speech as a biometric against play back attacks (2019) *Multimedia Tools and Applications*, 78 (2), pp. 1569-1582.
13. Avila Jayapalan, Savarinathan, P., Praveenkumar, P. Thenmozhi, K., Detecting and Mitigating Selfish Primary Users in Cognitive Radio. *Wireless Pers Commun* **109**, 1021–1031 (2019).
14. Lakshmi, C., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Encryption and watermark-treated medical image against hacking disease—An immune convention in spatial and frequency domains (2018) *Computer Methods and Programs in Biomedicine*, 159, pp. 11-21.

15. Praveenkumar, P., Amirtharajan, R., Thenmozhi, K., Balaguru Rayappan, J.B. Medical data sheet in safe havens - A tri-layer cryptic solution (2015) *Computers in Biology and Medicine*, 62, pp. 264-276.
16. Revathy, K., Thenmozhi, K., Amirtharajan, R., Praveenkumar, P. CR assisted IE guarded authenticated biomedical image transactions (2018) *IEEE Photonics Journal*, 10 (5), art. no. 8488566, .
17. Praveenkumar, P., Kerthana Devi, N., Ravichandran, D., Avila, J., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Transreceiving of encrypted medical image – a cognitive approach (2018) *Multimedia Tools and Applications*, 77 (7), pp. 8393-8418.
18. Janakiraman, S., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Lightweight chaotic image encryption algorithm for real-time embedded system: Implementation and analysis on 32-bit microcontroller (2018) *Microprocessors and Microsystems*, 56, pp. 1-12.
19. Praveenkumar, P., Catherine Priya, P., Avila, J., Thenmozhi, K., Rayappan, J.B.B., Amirtharajan, R. Tamper Proofing Identification and Authenticated DICOM Image Transmission Using Wireless Channels and CR Network (2017) *Wireless Personal Communications*, 97 (4), pp. 5573-5595.
20. Praveenkumar, P., Amirtharajan, R., Thenmozhi, K., Rayappan, J.B.B. Fusion of confusion and diffusion: a novel image encryption approach (2017) *Telecommunication Systems*, 65 (1), pp. 65-78.
21. Avila, J., Karuppasamy, T. Helper node based effective spectrum sensing and defense against physical layer attack in cognitive radio network (2017) *Biomedical Research (India)*, 28 (6), pp. 2830-2835.
22. Deebak, B.D., Muthaiah, R., Thenmozhi, K., Swaminathan, P.I. Analyzing three-party authentication and key agreement protocol for real time IP multimedia server–client systems (2016) *Multimedia Tools and Applications*, 75 (10), pp. 5795-5817.
23. Deebak, B.D., Muthaiah, R., Thenmozhi, K., Swaminathan, P.I. Analyzing secure key authentication and key agreement protocol for promising features of IP multimedia subsystem using IP multimedia server-client systems (2016) *Multimedia Tools and Applications*, 75 (4), pp. 2111-2143.
24. Deebak, B.D., Muthaiah, R., Thenmozhi, K., Swaminathan, P.I. Analyzing the mutual authenticated session key in IP multimedia server-client systems for 4G networks (2016) *Turkish Journal of Electrical Engineering and Computer Sciences*, 24 (4), pp. 3158-3177.