- 1. Sivasankari Narasimhan, **Muthukumar Arunachalam** "Bio-PUF-MAC authenticated encryption for iris biometrics" Computational Intelligence, year-2020.
- 2. Preethiya Thandapani, **Muthukumar Arunachalam**, Durairaj Sundarraj "An energy-efficient clustering and multipath routing for mobile wireless sensor network using game theory" International Journal of Communication Systems, year-2020.
- A. Kavipriya, A.Muthukumar "AN INNOVATIVE APPROACH FOR MULTIMODAL FUSION RECOGNITION BASED FEATURE EXTRACTION USING BLPOC and DOST" IET Image Processing, year-2020.
- 4. Preethiya, T., **Muthukumar A.**, & Durairaj, S. (2020). Secured Transmission in Double Clustered Heterogeneous Mobile Wireless Sensor Network. *3C Technology. Innovation Glosses Applied to SMEs*, year-2020.
- 5. **Muthukumar Arunachalam**. (2020). The Human Ear Recognition Based On Phase-Based Matching Algorithm. *3C Technology. Innovation Glosses Applied to SMEs*, 141-157.
- 6. T Preethiya, **A Muthukumar**, S Durairaj "Double cluster head heterogeneous clustering for optimization in hybrid wireless sensor network" Wireless Personal Communications. year-2020.
- 7. **A Muthukumar**, A Kavipriya "A biometric system based on Gabor feature extraction with SVM classifier for Finger-Knuckle-Print" Pattern Recognition Letters, year-2019.
- 8. J. Kohila, **A. Muthu Kumar**, S. Kannan "Performance analysis of various soft computing controller-based dynamic voltage restorer" International Journal of Systems, Control and Communications, year-2019.
- 9. N Sivasankari, **A Muthu Kumar** "Implementation of a Hybrid Ring Oscillator Physical Unclonable Function" intact journal on microelectronics, year-2019.