LIST OF PUBLICATIONS

Refereed Journal Papers

1. **A. Ojha** and P. Chanak, ”Multiobjective Gray-Wolf-Optimization-Based Data Routing Scheme for Wireless Sensor Networks,” in **IEEE Internet of Things Journal**, vol. 9, no. 6, pp. 4615-4623, 15 March, 2022, doi: 10.1109/JIOT.2021.3105425. **(SCIE, Q1, IF:8.2)**

2. **A. Ojha**, A. Jindal and P. Chanak, ”An Intelligent Indoor Emergency Evacuation System Using IoT-Enabled WSNs for Smart Buildings,” in **IEEE Internet of Things Journal**, vol. 11, no. 5, pp. 8838-8847, 1 March, 2024, doi: 10.1109/JIOT.2023.3321646. **(SCIE, Q1, IF:8.2)**

3. **A. Ojha**, S. M. Chaudhari and P. Chanak, ”A Deep Policy Dynamic Programming Based Intelligent Data Routing Scheme for IoT-Enabled Wireless Sensor Networks,” in **IEEE Transactions on Sustainable Computing**, 2024, doi: 10.1109/TSUSC.2024.3462512. **(SCIE, Q1, IF:3.0)**

4. **A. Ojha** and P. Chanak, ”Obstacle Aware Energy Efficient Data Routing Scheme for IoT-enabled Wireless Sensor Networks,” in **IEEE Transactions on Consumer Electronics**, 2024. **(SCIE, Q1, IF:4.6)** (Under review)

5. **A. Ojha** and P. Chanak, ”Mobile Data Collector-based Network Cut Detection and Recovery Approach for WSNs,” in **IEEE Transactions on Network and Service Management**, 2024. **(SCIE, Q1, IF:4.7)**(Under review)

6. **A. Ojha** and P. Chanak, ”A Reinforcement Learning based Evacuation Mechanism for Underground Mines Using IoT-enabled WSNs,” in **IEEE Transactions on Instrumentation & Measurement**, 2024. **(SCIE, Q1, IF:4.5)** (Under review)

Conference/Book chapter

1. V. Goyal, P. Mangal, **A. Ojha**, A. Sinha and P. Chanak, "Mobile Charging Sequence Scheduling in Wireless Rechargeable Sensor Networks using Extended Particle Swarm Optimization," 2022 IEEE 6th Conference on Information and Communication Technology (CICT), Gwalior, India, 2022, pp. 1-5, doi: 10.1109/CICT56698.2022.9997963.

2. A. Singh, **A. Ojha** and P. Chanak, "Hybrid Algorithm based Optimal Routing Protocol for Wireless Sensor Networks," 2022 IEEE Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior, India, 2022, pp. 1-5, doi: 10.1109/IATMSI56455.2022.10119277.

3. **A. Ojha**, R. Das and P. Chanak, "Energy-Efficient Relay Node Selection Scheme for Fault-Tolerant Data Routing in Wireless Sensor Networks," 2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior, India, 2024, pp. 1-5, doi: 10.1109/IATMSI60426.2024.10503551.

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