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Energy Efficient Routing Technique in Underwater Wireless Sensor Networks

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Patents

- Indian patent filed and published titled “**System for Optimizing Location of Unmanned Aerial Vehicle Base Station using Reinforcement Learning**” with application number 202241050934.
- German patent published and idea granted titled “**Intelligent Gloves for Pressure Measurement and Dermis Health Monitoring**” with application number 202021106449.8.
- Indian patent filed and published titled “**Method for Three-Dimensional Localization and Visualization of Sensor Nodes in Underwater Wireless Sensor Networks**” with application number 202141042322.
- Australian patent accepted titled “**Machine Learning and Artificial Intelligence based Intelligent Betting System for Sports Prediction**” with application number 2021104722.
- Australian patent granted titled “**Decentralized Data Storage and Processing Method for Automatic Wireless Authentication in an IOT System**” with application number 2021103108.

List of Publications

Conferences

1. Yogeshwary B H, Shivaprakasha K S, **Yashwanth N**, “Node Localizaion Techniques in Underwater Sensor Networks”, IEEE International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Shree Venkateshwara Hi-Tech Engineering College, Erode, India, 7-9th April 2022. - **Scopus Indexed**.
2. **Yashwanth N**, B R Sujatha, "Node Localization performance for UWSN Topologies", ACM International Conference on Multimedia and Image Processing (ICMIP), University of Malaya, Kuala Lumpur, Malaysia, 19-21th January 2019. - **Scopus Indexed**.
3. **Yashwanth N**, B R Sujatha, “Wireless Sensor Node Localization in Underwater Environment”, IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), GSSSIETW, Mysuru, 9–10th December 2016. - **Scopus Indexed**.
4. **Yashwanth N**, B R Sujatha, “Underwater wireless Sensor Localization Scheme in Distributed Networks”, IEEE International Conference on Applied and Theoretical

Computing and Communication Technology (ICATCCT), SJBIT, Bengaluru, 21-23 July 2016. - **Scopus Indexed**.


5. **Yashwanth N**, B R Sujatha, “Localization Scheme for Deep and Shallow Underwater Wireless Sensor Networks”, International Conference on Intelligent Autonomous Systems (ICIAS), MCE, Hassan. (ISBN: 978-93-84659-38-7) 28– 29 Nov 2015.
6. **Yashwanth N**, B R Sujatha, “Time Frequency Representation of Non-Stationary Real-World Signals”, IEEE International Conference on Impact of E – Technology on US (IC-IMPETUS), PESIT, Bengaluru, 10–11 Jan 2014, pp. 147 – 157. – **Scopus Indexed**.

Journals

1. Sameena Pathan, Tanweer, Shweta Vincent, **Yashwanth N**, Rajiv Mohan David, Om Prakas Kumar, “A Dermoscopic Inspired System for Localization and Malignancy Classification of Melanocytic Lesions”, Applied Sciences, MDPI, pp. 4243. – **SCI and Scopus Indexed**.
2. Brijesh Mishra, Ramesh Kumar Verma, **Yashwanth N**, Rakesh Kumar Singh, “A Review on Microstrip Patch Antenna Parameters of different Geometry and Bandwidth Enhancement Techniques”, International Journal of Microwave and Wireless Technologies (IJMWT), Cambridge University Press, pp. 1-22. – **SCI and Scopus Indexed**.
3. **Yashwanth N**, Yogeshwary B H, “Sensor Node Localization and Visualization in Underwater Sensor Networks”, International Journal of Advanced Scientific Innovation (IJASI), Vol. 1, no. 2, May 2021, pp. 1-6.
4. **Yashwanth N**, B R Sujatha, Yogeshwary B H, “Performance of SALP Swarm Optimization Algorithm in Underwater Wireless Sensor Networks”, Journal of Huazhong University of Science and Technology (JHUST), Vol. 50, no. 3, Mar 2021, pp. 1-9. - **Scopus Indexed**.
5. Yogeshwary B H, **Yashwanth N**, Chiranth R, “Real Route Navigation System based Automated Stereo Volume Control in Vehicles”, International Journal of Science, Technology, Engineering and Management (VTU-IJSTEM), Vol. 2, no. 3, Oct 2020, pp. 50-55.
6. **Yashwanth N**, B R Sujatha, “3D Localization and Visualization of Sensor Nodes and Data Sensing in Underwater Wireless Sensor Networks”, International Journal of

Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, no. 12, Oct 2019, pp. 214-219. - **Scopus Indexed**.

7. **Yashwanth N**, B R Sujatha, "Node Localization Performance for UWSN Topologies", Journal of Communications (JCM), Vol. 14, no. 9, Aug 2019, pp. 839-844. - **Scopus Indexed**.
8. Pallavi G, **Yashwanth N**, "A Recursive Localization Approach for Distributed Networks", International Journal of Research in Engineering and Technology (IJRET), Vol. 3, no. 6, June 2016, pp. 2487-2492.
9. Chaithra M R, **Yashwanth N**, "FIR Interpolation Filter for Multi-Standard Digital Up Converter Using FPGA", International Journal of Science and Research (IJSR), Vol. 4, no. 5, May 2015, pp. 3033-3036.
10. **Yashwanth N**, Harish M, Sujatha B R, "HHT Based Analysis of Non-Stationary Signals and Metal Structures", International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), Vol. 2, no. 10, Oct 2014, pp. 3237-3242.



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