

**Dr. D. Anita Daniel**



**Designation:** Assistant Professor

**Qualification:** M.E,Ph.D

**Area of specialization:** Wireless Sensor Networks

| <b>Experience:(As on May 2023)</b> | <b>Industrial Experience</b> | <b>Teaching Experience</b> |
|------------------------------------|------------------------------|----------------------------|
|                                    | 1Year                        | 12.4 Years                 |

| <b>Number of workshop / FDP attended:</b> | <b>Number of Workshops</b> | <b>Number of FDPs</b> |
|---|----------------------------|-----------------------|
|   | 2                          | 2                     |

| <b>Publications:</b> | <b>Conference</b> |                      | <b>Journal</b>  |                      |
|----------------------|-------------------|----------------------|-----------------|----------------------|
|                      | <b>National</b>   | <b>International</b> | <b>National</b> | <b>International</b> |
|                      | -                 | 2                    | -               | 7                    |

| <b>Patents:</b> | <b>National</b> | <b>International</b> |
|-----------------|-----------------|----------------------|
|                 | -               | -                    |

**Professional Body Membership:** Life Time membership in ISTE

**Staff Achievements:** Organized a guest lecture and a symposium in SREC, Chennai.

| <b>Workshop Details:</b> | <b>Sl. No.</b> | <b>Title</b>             | <b>Venue</b>                                   | <b>Month/Year</b>            |
|--------------------------|----------------|--------------------------|--|------------------------------|
|                          | 1.             | Image Processing in VLSI | Sathyabama University                          | 26 <sup>th</sup> March 2014  |
|                          | 2.             | Embedded Systems         | Jayaraj Annapackiam CSI College of Engineering | 30 <sup>th</sup> August 2008 |

| <b>FDP Details:</b> | <b>Sl. No.</b> | <b>Title</b>   | <b>Venue</b>  | <b>Month/Year</b>                                 |
|---------------------|----------------|--|---|---|
|                     | 1              | National level FDP on Administrative Capacity Building.  | Sathyabama Institute of Science and Technology (online) | 25 <sup>th</sup> to 31 <sup>st</sup> October 2021 |
|                     | 2              | National level FDP on Machine Learning and Deep Learning Techniques for Computer Aided Interpretation. | Sathyabama Institute of Science and Technology (online) | 18 <sup>th</sup> to 23 <sup>rd</sup> May 2020     |

## PublicationDetails:

1. Anita Daniel, S. Emalda Roslin, “Data Validation and Integrity Verification for Trust based Data Aggregation Protocol in WSN” *Microprocessors and Microsystems*, Elsevier, Feb 2021, Vol.80, <https://doi.org/10.1016/j.micpro.2020.103354> (IF 1.161, SJR 0.303, SNIP 0.879, Scopus, Web of Science Indexed).
2. Anita Daniel, S. Emalda Roslin, “An Efficient Trust Based Secured Data Aggregation Technique In WSN”, *Indian Journal of Computer Science and Engineering* Vol.12 No. 1 Jan-Feb 2021- Scopus Indexed.
3. Anita Daniel.D and Emalda Roslin. S (2021), “An Efficient Data Aggregation Technique for Green Communication in WSN”, *International Journal of Engineering Trends and Technology*, Volume 69 Issue 3, 138-146, March 2021, p-ISSN: 2349-0918 Scopus Indexed.
4. Anita Daniel, Bestha Tharun Kumar, Basavaraju Sreepada Dathu, S. Emalda Roslin, “An Energy Efficient Authenticated Data Aggregation Protocol in WSN”, *TEST Engineering and Management*, Vol:83, March 2020- Scopus Indexed.
5. Anita Daniel, S. Emalda Roslin, “WSN Security: An Asymmetric Encryption and Hash Function based approach”, *International Journal of Engineering Research & Technology*, Volume 5, Issue 02, Feb 2016.
6. Anita Daniel, E. Jothi Lakshmi, “Area Efficient Z-TCAM by using SRAM based Architecture for TCAM” *International Journal of Advanced Research Trends in Engineering & Technology*, Volume 3, March 2016.
7. Anita Daniel, N. Selvarasu, “Modified Bypassing Multiplier for Power Efficient FIR Filter”, *International Journal on Intelligent Electronic System*, Vol. 8, No. 1 Jan 2014.

## **ConferenceDetails**

1. Anita Daniel, S. Emalda Roslin, “A Review on Security Frameworks with Efficient Energy Preservation Techniques in Wireless Sensor Networks”, IEEE International Conference on Communication and Signal Processing - ICCSP' 15, April 2015, ISBN 978-1-4799-8080-2, pp 661-665 - Scopus Indexed.
2. S. Emalda Roslin, N.M. Nandhitha and Anita Daniel (2014), “Transposition Based Symmetric Encryption and Decryption Technique for Secured Image Transmission through Internet”, IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT '14), March 2014, ISBN 978-1-4799-2395-3/14, pp 1578-1583 – Scopus Indexed.

## **Monograph**

S. Emalda Roslin, N.M. Nandhitha, Rekha Chakravarthi, M.S.Sangeetha and Anita Daniel, “A Monograph on Computational Intelligence for Cluster Head Selection in WSN”, Vandana Publications, ISBN 978-81-936671-8-7.