



## Bodhisattva Dash, Ph.D.

**Designation** : Sr. Assistant Professor  
**Department** : Department of Electronics & Communication Engineering  
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### RESEARCH INTERESTS

- ✓ Machine Learning
- ✓ Deep Learning
- ✓ Medical Image Analysis
- ✓ Data Science and Analytics
- ✓ Video Coding

### Academic Qualifications

- Ph. D. (Computer Science and Engineering) in IIT Bhubaneswar
- M. Tech. (Electronics & Communication Engineering), BPUT, Odisha
- B. Tech. (ETC), BPUT, Odisha

### Teaching Experience/Industrial Experience/Research Experience

- Teaching Experience : More than 10 years
- Research Experience : More than 6 years

### Journals:

1. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "Automated diagnosis of breast cancer using parameter optimized kernel extreme learning machine" Biomedical Signal Processing and Control, Elsevier, 62, (2020), doi: 10.1016/j.bspc.2020.102108, IF : 3.137
2. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "An improved scheme for digital mammogram classification using weighted chaotic salp swarm algorithm-based kernel extreme learning machine" Applied Soft Computing, Elsevier, 91:106266(2020), doi: 10.1016/j.asoc.2020.106266, IF: 5.472
3. Santos Kumar Baliarsingh, Swati Vipsita, **Bodhisattva Dash**, "A new optimal gene selection approach for cancer classification using enhanced Jaya-based forest optimization algorithm" Neural Computing Applications, Springer, 32(12): 8599-8616 (2020), doi: 10.1007/s00521-019-04355-x, IF:4.774
4. Santos Kumar Baliarsingh, Swati Vipsita, Khan Muhammad, **Bodhisattva Dash**, Sambit Bakshi "Analysis of high-dimensional genomic data employing a novel bio inspired algorithm" Applied Soft Computing, Elsevier, 77: 520-532 (2019), doi: 10.1016/j.asoc.2019.01.007, IF: 5.472
5. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "Mammogram classification using contourlet features with forest optimization-based feature selection approach" Multimedia Tools and Applications, Springer, 78(10): 12805-12834 (2019), doi: 10.1007/s11042-018-5804-0, IF: 2.313
6. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "A computer-aided diagnosis system using Tchebicheffeatures and improved grey

### PUBLICATIONS: JOURNAL & CONFERENCES

JOURNAL &  
CONFERENCES

- wolf optimized extreme learning machine" Applied Intelligence, Springer, 49(3): 983-1001 (2019), doi:10.1007/s10489-018-1294-z, IF: 3.325
7. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "Digital mammogram classification using 2D-BDWT and GLCM features with FOA-based feature selection approach" Neural Computing Applications, Springer, 32(11): 7029-7043 (2020), doi:10.1007/s00521-019-04186-w, IF: 4.774
  8. **Bodhisattva Dash**, Suvendu Rup, Figlu Mohanty, and M.N.S. Swamy "A hybrid block-based motion estimation algorithm using JAYA for video coding techniques" Digital Signal Processing, Elsevier, 88: 160-171 (2019), doi: 10.1016/j.dsp.2019.01.016, IF: 2.871
  9. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Decoder side Wyner-Ziv frame estimation using Chebyshev polynomial-based FLANN technique for distributed video coding" Multidimensional Systems and Signal Processing, Springer, 30(3): 1031-1061 (2019), doi:10.1007/s11045-018-0594-0, IF:1.810
  10. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Decoder driven side information generation using ensemble of MLP networks for distribute dvideocoding" Multimedia Tools and Applications, Springer, 77(12): 15221-15250 (2018), doi: 10.1007/s11042-017-5103-1, IF:2.313
  11. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Multi-resolution extreme learning machine-based side information estimation in distributed video coding" Multimedia Tools and Applications, Springer, 77(20): 27301-27335 (2018), doi:10.1007/s11042-018-5921-9, IF: 2.313

**Conferences :**

1. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "An Improved CAD Framework for Digital Mammogram Classification Using Compound Local Binary Pattern and Chaotic Whale Optimization-Based Kernel Extreme Learning Machine" International Conference on Artificial Neural Networks, pp. 14-23, Greece, 2018
2. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "Compound Local Binary Pattern and Enhanced Jaya Optimized Extreme Learning Machine for Digital Mammogram Classification", International Conference on Intelligent Data Engineering and Automated Learning, pp. 1-8, 2018
3. **Bodhisattva Dash**, Suvendu Rup, "An Improved Block-Matching Algorithm Based on Chaotic Sine-Cosine Algorithm for Motion Estimation", International Conference on Artificial Neural Networks, pp. 759-770, Greece, 2018.
4. MJ Bagchi, F Mohanty, S Rup, **Bodhisattva Dash**, B Majhi," Digital Mammogram Classification Using Compound Local Binary Pattern Features with Principal Component Analysis Based Feature Reduction Approach", International Conference on Advances in Computing and Data Sciences, 2018.
5. Vinod Kumar, Figlu Mohanty, **Bodhisattva Dash**, Suvendu Rup, "A hybrid computer-aided diagnosis system for abnormality detection in mammograms", 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), pp. 496-500, Bangalore, 2017
6. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, "An Effective Side Information Generation Scheme for Wyner-Ziv Video Coding", 8th International Conference on Advanced Computational Intelligence, pp. 296-301, Chiang Mai, Thailand, 2017.