



## Arabinda Dash, M. Tech.

**Designation** : Assistant Professor

**Department** : Department of Computer Science and Engineering  
(JOINED THE INSTITUTE IN 2023)

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### RESEARCH INTERESTS

- ✓ Image Restoration and Classification
- ✓ Cyber Security

### Academic Qualifications

Ph. D. (Thesis submitted) (Computer Science and Engineering), Sambalpur University, Odisha, India

M. Tech (Information Technology) VSSUT, Burla, Odisha, India

*Specialization*: Information and Communication Technology

### Teaching Experience/Industrial Experience/Research Experience

- ✓ 12 years of teaching

## PUBLICATIONS

### JOURNAL ARTICLES & CONFERENCE PAPERS

- [1]. **A. Dash** and P. K. Sethy. (2024) "Statistical Analysis and Comparison of Deep Convolutional Neural Network Models for the Identification and Classification of Maize Leaf Diseases." Multimedia tools and application, vol. **83**, pp. 71189–71202, Springer.
- [2]. **A. Dash** and P. K. Sethy. (2024) "A Comparative Analysis of Deep Learning based Classifiers for the Identification of Maize Rot Diseases," 2024 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), Bhubaneswar, India, 2024, pp. 1-4, doi: 10.1109/IC-CGU58078.2024.10530681.

- [3]. S. Mohapatra, S. Mohanty, S. K. Maharana, **A. Dash**, K. S. Sahoo. (2024). "GAGSA: A Hybrid Approach for Load Balancing in Cloud Environment." In International Conference on Advances in Distributed Computing and Machine Learning. ICADCML, Springer, Singapore. [https://doi.org/10.1007/978-981-97-1841-2\\_24](https://doi.org/10.1007/978-981-97-1841-2_24).
- [4]. **A. Dash**, P. K. Sethy, & S. K. Behera (2023). Maize disease identification based on optimized support vector machine using deep feature of DenseNet201. Journal of Agriculture and Food Research, 14, 100824. Elsevier.
- [5]. **A. Dash**, P. K. Sethy, S. G. K. Patro, & A. O. Salau (2023). Deep feature extraction based cascading model for the classification of Fusarium stalk rot and charcoal rot disease in maize plant. Informatics in Medicine Unlocked, 42, 101363. Elsevier.
- [6]. S. Mohapatra, S. Mohanty, S. K. Maharana, **A. Dash**, S. Sahoo, S. K. Sahoo. (2023) "A Comparative Approach for Skin Cancer Detection Using Artificial Bee Colony." In International Conference on Computing, Communication and Learning. CoCoLe 2023, Springer, Cham. [https://doi.org/10.1007/978-3-031-56998-2\\_9](https://doi.org/10.1007/978-3-031-56998-2_9).
- [7]. **A. Dash** and P. K. Sethy. (2022) "Detection of Defected Maize Leaf using Image Processing Techniques," 2022 International Conference on Inventive Computation Technologies (ICICT), Nepal, pp. 271-275, doi: 10.1109/ICICT54344.2022.9850778.
- [8]. S. k. Sathua, **A. Dash** and A. Behera. (2017) "Removal of Salt and Pepper noise from Gray-scale and Color Images: An Adaptive Approach." International Journal of Computer Science Trends and Technology (IJCST) Vol. 5, Issue 1, pp.117-126.
- [9]. **A. Dash** and S. k. Sathua. (2015) "High Density Noise Removal By Using Cascading Algorithms." 2015 Fifth International Conference on Advanced Computing & Communication Technologies, pp. 96-101, IEEE Computer Society.
- [10]. **A. Dash** and S. K. Sathua. (2015) "Modified Spatially Adaptive Denoising Algorithm for an Image Corrupted by Gaussian Noise." International Advance Research Journal in Science, Engineering and Technology, Vol. 2, Issue 3, pp.29-33.

## ANY OTHER

### Book Chapter Conferences attended

- [1] **A. Dash** and P. K. Sethy (2023). "Maize diseases diagnosis based on computer intelligence: A systematic review." Modern Computational Techniques for Engineering Applications, pp. 133-170.