

List of Publications

Papers published in peer reviewed Journals

1. Drashti K. Dave and Trupti P. Shah: Stability Analysis And Z-Control Of Breast Cancer Dynamics. *Advances and Applications in Mathematical Sciences*, vol. 21 (2021), no. 1, pp. 343–363
2. Drashti K. Dave and Trupti P. Shah: A Comparative study of control strategies in Breast Cancer Dynamics. *Advances and Applications in Mathematical Sciences*, vol. 21 (2022), no. 7, pp. 3673–3683
3. Drashti K. Dave and Trupti P. Shah, Comparative Analysis Of Optimisation Algorithms In Breast Cancer Histopathology Image Classification: Introducing A Novel Weight Updating Approach With Enhanced Feature Extraction, *Journal of Applied Mathematics and Informatics*. **(Accepted)**

Manuscript under communication

1. Drashti K. Dave and Trupti P. Shah: Enhancing Breast Cancer Detection Using Novel Nature-Inspired Optimisation Algorithm In Artificial Neural Network.
2. Drashti K. Dave and Trupti P. Shah: Modified CNN-based Feature Extraction and Novel Weight Updating Algorithm in ANNs: Advancing Breast Cancer Classification.

List of papers presented in conferences

1. “The Stability analysis of Breast Cancer Dynamics, presented at the International Conference on Mathematical Modelling and Computational Intelligence Techniques (ICMMCIT–2021), held on February 10–12, 2021, by The Gandhigram Rural Institute, Gandhigram, Tamil Nadu, India.
2. “ An optimal control strategy on Breast Cancer dynamics, presented at the 4th International Conference on Frontier in Industrial and Applied Mathematics, held on December 22, 2021, by the Department of Mathematics, Sant Longowal Institute of Engineering & Technology.