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Journal Publications

1. Utkarsh Gautam, and Malmathanraj Ramanathan, "Simulation for Path Planning of SLOCUM Glider in Near-bottom Ocean Currents Using Heuristic Algorithms and Q-Learning", Defence Science Journal, Vol. 65, No. 3, May 2015, pp. 220-225, DOI : 10.14429/dsj.65.7855 (SCIE)

2. M. Sundaram, J. Abitha, R. Malmathanraj, K. Ramar, "Wood species classification based on local edge distributions", Journal of Optik (2015), http://dx.doi.org/10.1016/j.ijleo.2015.07.044 (SCI)

3. Asutosh Mohapatra, S. Shanmugasundaram, R. Malmathanraj, "Grading of ripening stages of red banana using dielectric properties changes and image processing approach", Computers and Electronics in Agriculture, 143 (2017) 100–110. (SCIE)

4. S. Sivaraj, R. Malmathanraj, P. Palanisamy, "Detecting anomalous growth of skin lesions using threshold based segmentation algorithm and fuzzy k-neighborhood classifier", Journal of cancer research and therapeutics, 2019. (SCIE)

5. Vikas R. Phate, R. Malmathanraj, P. Palanisamy, "Classification and weighing of sweet lime (Citrus limetta) for packaging using computer vision system", Journal of Food Measurement and Charecterization, Springer, Impact Factor (1.181), Jan 2019. (SCIE)

6. Yogeswararao Gurubelli, Malmathanraj Ramanathan and Palanisamy Ponnusamy," Fractional fuzzy 2DLDA approach for pomegranate fruit grade classification", April 2019, Computers and Electronics in Agriculture.

7. Vikas R. Phate, R. Malmathanraj, P. Palanisamy, "Clustered ANFIS weighing models for sweet lime (Citrus limetta)", Volume 42, Issue 6, 2019, Journal of Food Process Engineering.

Conference Publications

1. Vikas R. Phate, R. Malmathanraj, P. Palanisamy, "Mathematical modeling for weight estimation of sweet lime fruit", International conference on analysis and applied mathematics, vol. 1, pp. 52-57, July 2018.

2. V. Ramalakshmi, R. Malmathanraj, "Detection, counting and classification of several distinct fruits", International conference on analysis and applied mathematics, vol. 1, pp. 45-51, July 2018.

3. V. Ramalakshmi, R. Malmathanraj, "Circular shaped fruits detection and counting using FNCC and image processing techniques", International conference on analysis and applied mathematics, vol. 1, pp. 58-63, July 2018.

4. Vikas R. Phate, R. Malmathanraj, P. Palanisamy, "A novel approach for sweet lime volume estimation using dimensional analysis and artificial neural network", International conference on recent advances in food processing technology, IIFPT, Thanjavur, 17-19,Aug. 2018.

5. G. Yogeswararao, R. Malmathanraj, P. Palanisamy, "Grading of pomegranate and mango fruits using texture and color gradient features with kernel SVM classifier", International conference on recent advances in food processing technology, IIFPT, Thanjavur, 17-19,Aug. 2018.

6. Vikas R Phate, R Malmathanraj, P Palanisamy, "An Indirect Method to Estimate Sweet Lime Weight through Machine Learning Algorithm", 194-198, 2020/3/11, 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC).

7. Nageswararao Naik Bhookya, R Malmathanraj, P Palanisamy, "Yield Estimation of Chilli Crop using Image Processing Techniques", 2020/3/6, 200-204, 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS).

8. Yogeswararao Gurubelli, R Malmathanraj, P Palanisamy, "Texture and Colour Gradient Features for Grade analysis of Pomegranate and Mango Fruits using kernel-SVM Classifiers", 2020/3/6, 122-126, 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS).