**INTRODUCTION**

Images are an important source of data and information in the agricultural sciences. The use of image-processing techniques has outstanding implications for the analysis of agricultural operations. Fruit colours and their ripeness classification is one of the major applications that can be utilized in supermarkets to automatically detect the kinds of fruit colours and their ripeness state purchased by customers. We explored various methods used to address fruit colours and their ripeness classification and recognise. We surveyed image-processing approaches used for fruit disease detection, segmentation.