Automatic Photometric Analysis of Primula Seeds

SIZE

COLOUR

ANGULARITY

TEXTURE

WINGS

A fundamental operation involved for this algorithm is the consideration of feature extraction. To this end, Jin et al. (2015) employs an image binarization technique to segment the leaf-foreground features away from the background, which provided an accuracy score between 72.8% and 79.3%.

Approach:

One possible approach for achieving this objective would be to segment the seed foreground objects away from the background by utilising binarization, where the pixels representing a seed foreground object would be classified based on a pixel intensity threshold (Jin et al, 2015).