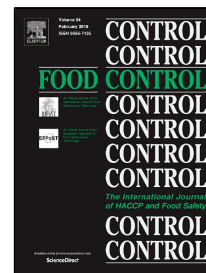


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Potential of VIS-NIR hyperspectral imaging and chemometric methods to identify similar cultivars of nectarine

Sandra Munera, Jose Manuel Amigo, Nuria Aleixos, Pau Talens, Sergio Cubero, José Blasco



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Highlights

- Discriminated two externally identical cultivars using VIS-NIR hyperspectral imaging
- Prediction based on PLS-DA was graphically displayed on the images of the fruits
- Models based on chemometric methods achieved more than 95% correct classification
- Selection of 14 spectral bands achieved best accuracy in cultivar discrimination
- Hyperspectral technology performed better than colour imaging or human inspection

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