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Title: Effects of freezing and hot air drying on the physical, morphological and thermal properties of cranberries (*Vaccinium macrocarpon*)

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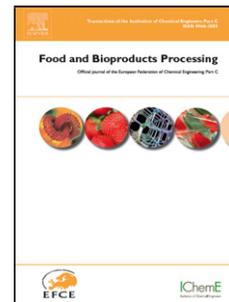
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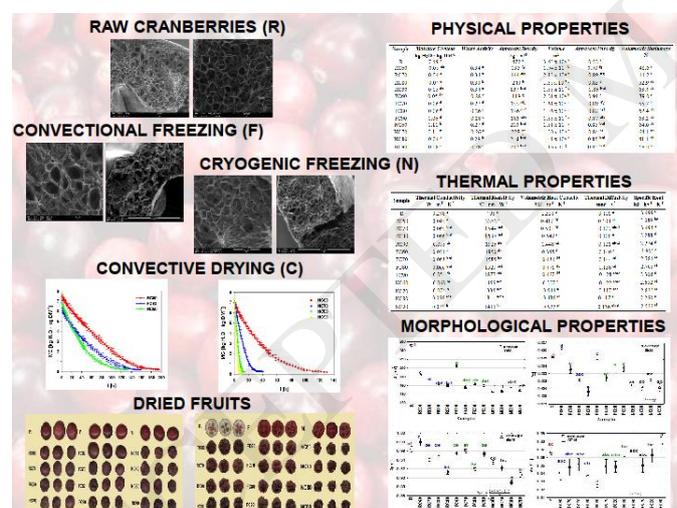
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Graphical abstract



Highlights

- Effects of freezing and drying on the properties of cranberries was evaluated.
- Convective freezing of cranberries induced cell structure disruption.
- Freeze cracking occurred during cryogenic freezing of cranberries.
- Freezing increased the rate of moisture removal in the first drying period.

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