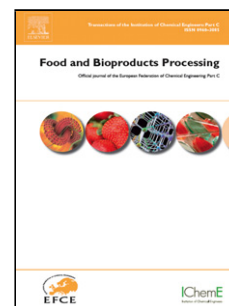


Accepted Manuscript

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

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PII: S0960-3085(18)30248-7
DOI: <https://doi.org/10.1016/j.fbp.2018.04.006>
Reference: FBP 957

To appear in: *Food and Bioprocess Technology*

Received date: 23-8-2017
Revised date: 12-3-2018
Accepted date: 30-4-2018

Please cite this article as: Zielinska, Magdalena, Ropelewska, Ewa, Zapotoczny, Piotr, Effects of freezing and hot air drying on the physical, morphological and thermal properties of cranberries (*Vaccinium macrocarpon*). Food and Bioprocess Technology <https://doi.org/10.1016/j.fbp.2018.04.006>

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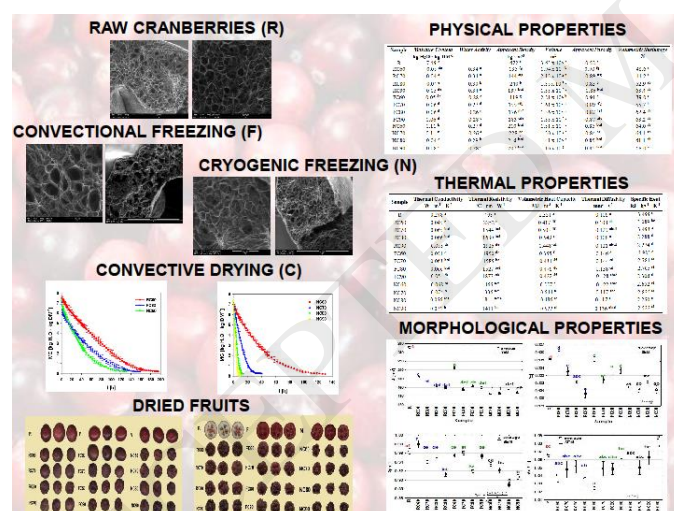
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Graphical abstract



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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