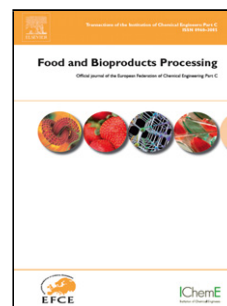


Accepted Manuscript

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PII: S0960-3085(18)30015-4
DOI: <https://doi.org/10.1016/j.fbp.2018.02.005>
Reference: FBP 938

To appear in: *Food and Bioprocess Technology*

Received date: 14-8-2017
Revised date: 6-2-2018
Accepted date: 19-2-2018

Please cite this article as: de Oliveira, Rodrigo Lira, Dias, Jônatas Lopes, da Silva, Osmar Soares, Porto, Tatiana Souza, Immobilization of pectinase from *Aspergillus aculeatus* in alginate beads and clarification of apple and umbu juices in a packed bed reactor. *Food and Bioprocess Technology* <https://doi.org/10.1016/j.fbp.2018.02.005>

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Immobilization of pectinase from *Aspergillus aculeatus* in alginate beads and clarification of apple and umbu juices in a packed bed reactor

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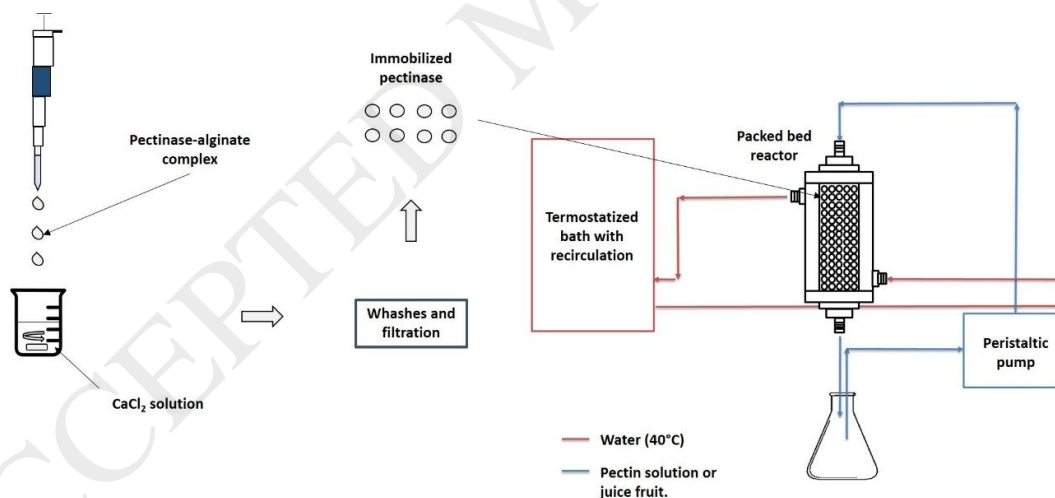
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GRAPHICAL ABSTRACT



Highlights

- Pectinase immobilized in alginate with good operational and storage stability.
- Packed Bed Reactor with pectinase immobilized efficient for depectinization.
- Enzymatic reactor process is efficient for clarification of apple and umbu juices.
- Continuous process for juice clarification is a new alternative for food industry.

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