

# Accepted Manuscript

Interactions between citrus pectin and  $\text{Zn}^{2+}$  or  $\text{Ca}^{2+}$  and associated *in vitro*  $\text{Zn}^{2+}$  bioaccessibility as affected by degree of methylesterification and blockiness

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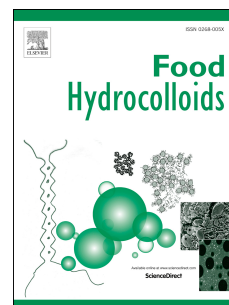
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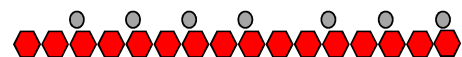
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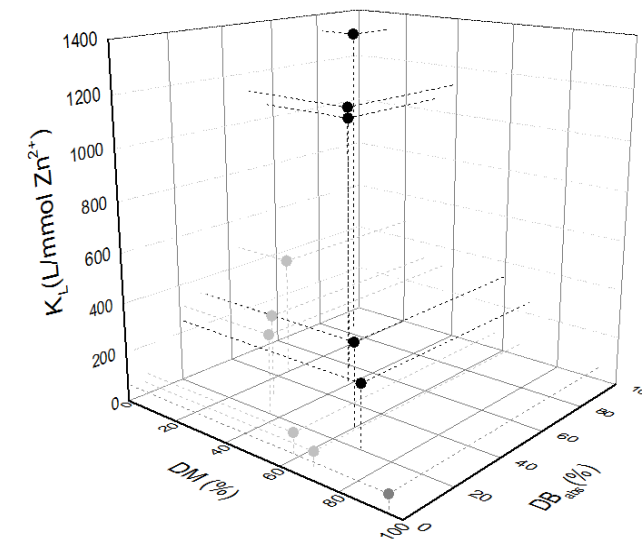
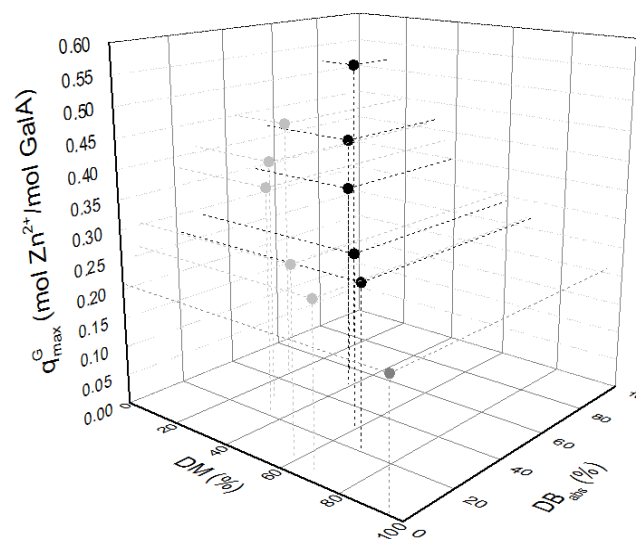
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## Zn<sup>2+</sup> and Ca<sup>2+</sup> adsorption study

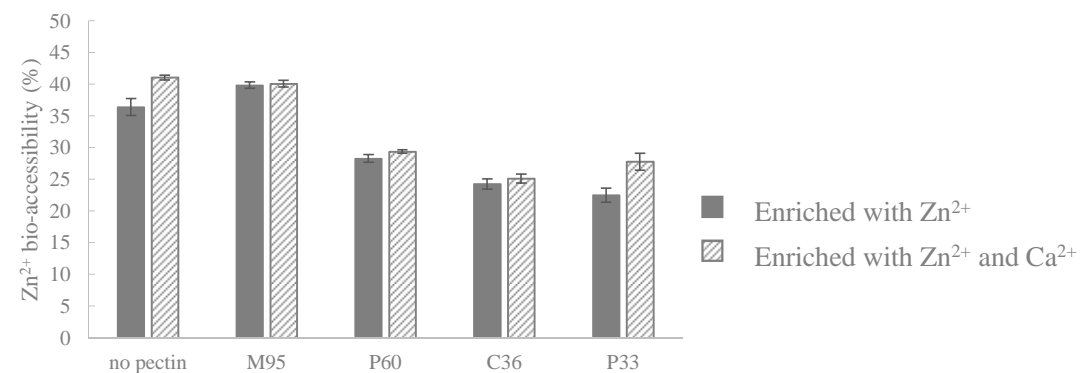


Citrus pectin with distinct  
degrees (DM) and patterns (DB<sub>abs</sub>)  
of methylesterification



P-pectins ● C-pectins ● Mother pectin ●

DM: degree of methylesterification  
DB<sub>abs</sub>: absolute degree of blockiness  
q<sub>max</sub><sup>G</sup>: maximum cation binding capacity (mol cation/mol GalA)  
K<sub>L</sub>: Langmuir constant – interaction energy (L/mmol cation)



## Zn<sup>2+</sup> bioaccessibility study

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