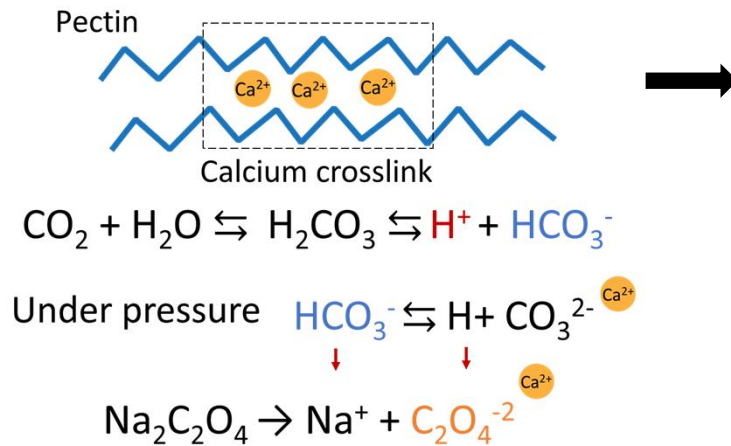
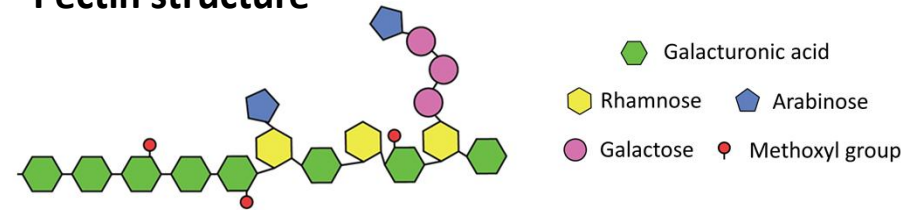


Extraction Methods

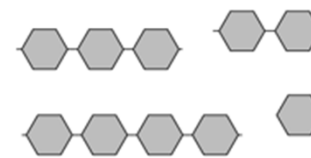
Presence of ions enhanced pectin yield.
Pressured CO₂ (PCO₂) provided HMP.



Pectin structure



↓ Pectinase



Pectic oligosaccharide (POS)

Conventional method

Chemical use

100 mM

Pectin yield

15-25%

Degree of esterification

60%

This study's method

30 mM

41%

95%



Pectin resisted to simulated digestive system >90%.



POS promoted *Lactobacillus* growth and acetate production.

Both pectin and POS have antioxidant and angiotensin-converting enzyme inhibitory activities.