

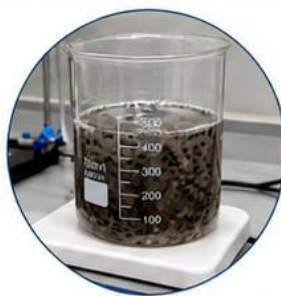
Production process



Quince seed



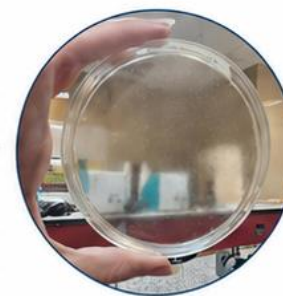
Cold plasma treatment



Mucilage extraction process



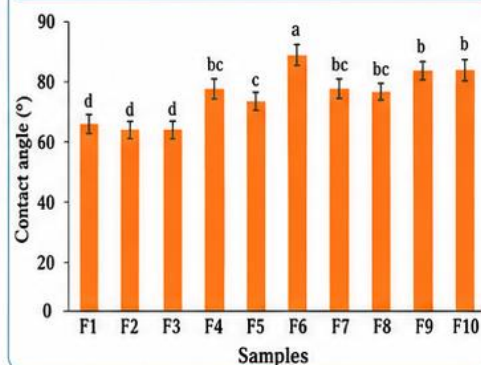
Quince seed mucilage (QSM)



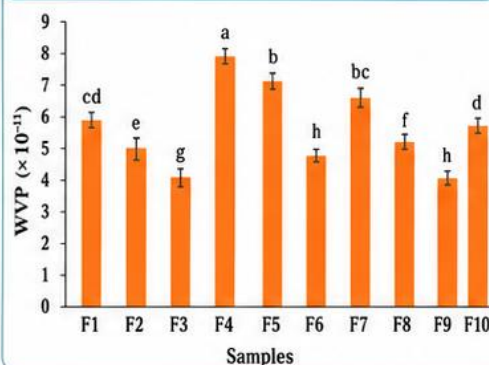
QSM edible films

Characterization

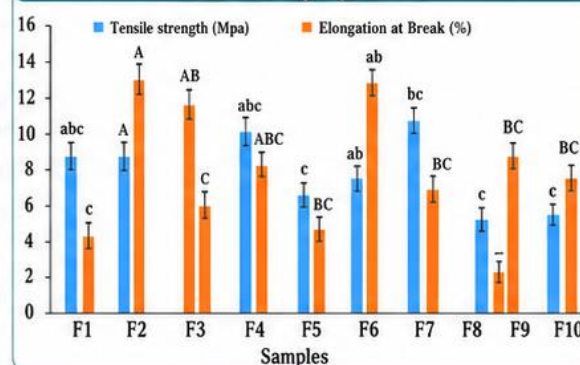
Contact angle



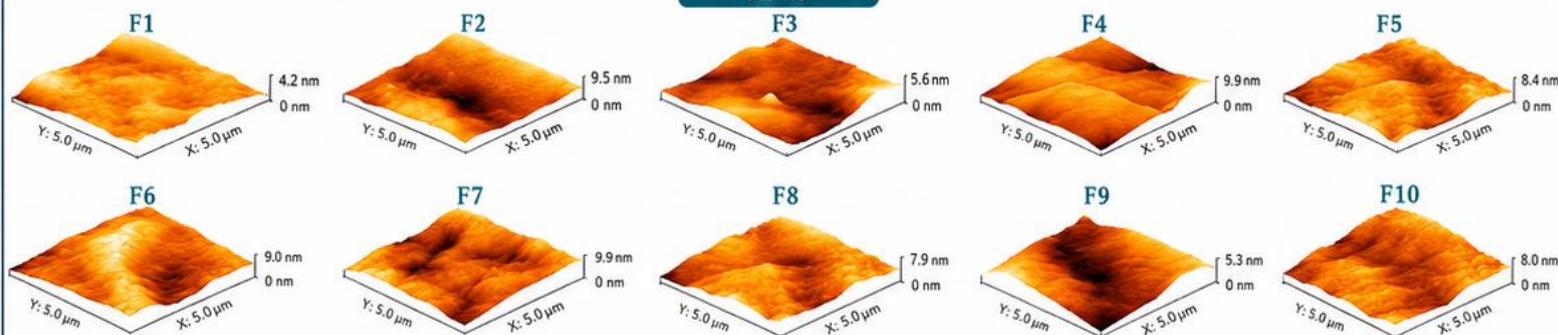
WVP



Mechanical properties



AFM



Sample codes

- F1** Control
- F2** 6 kV, 1 min
- F3** 6 kV, 3 min
- F4** 6 kV, 5 min
- F5** 7 kV, 1 min
- F6** 7 kV, 3 min
- F7** 7 kV, 5 min
- F8** 8 kV, 1 min
- F9** 8 kV, 3 min
- F10** 8 kV, 5 min