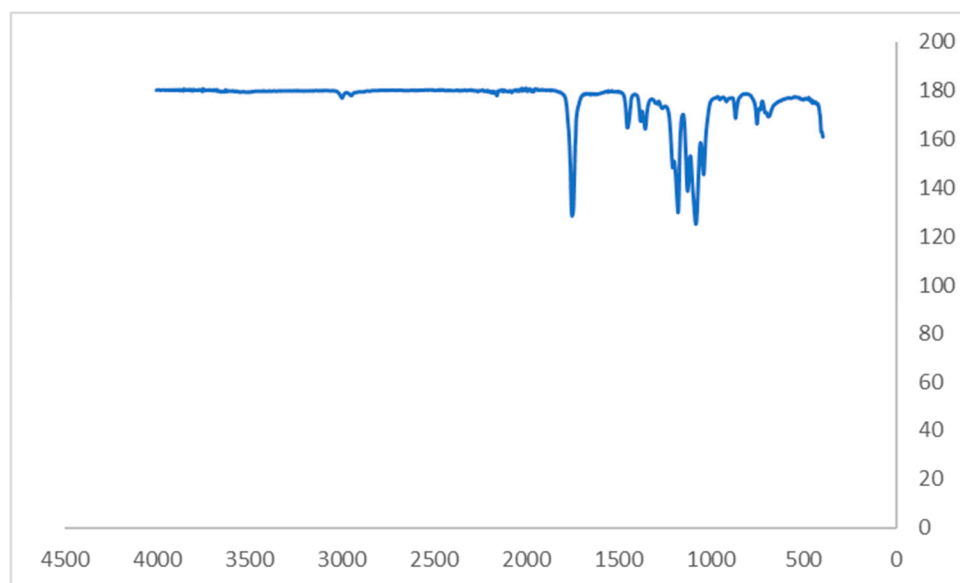
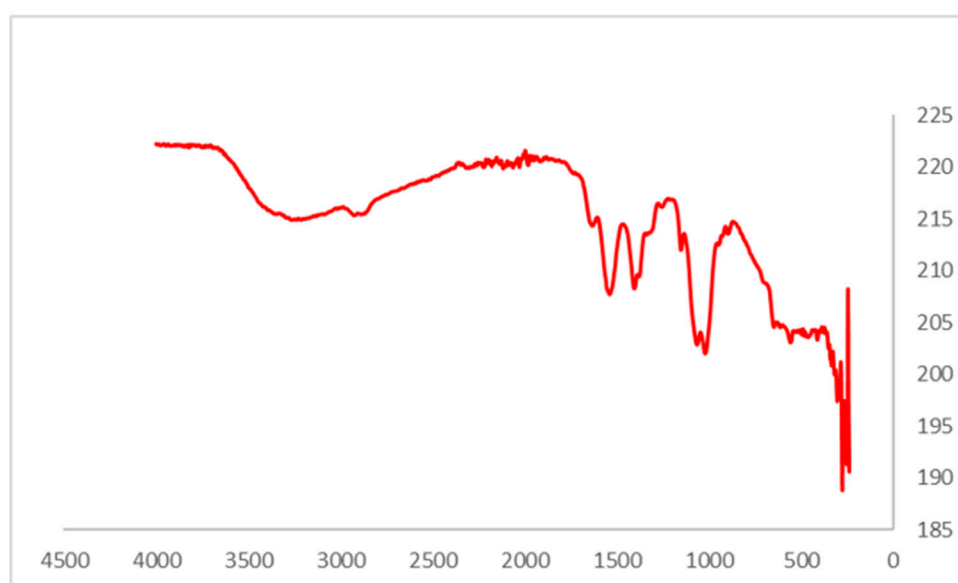


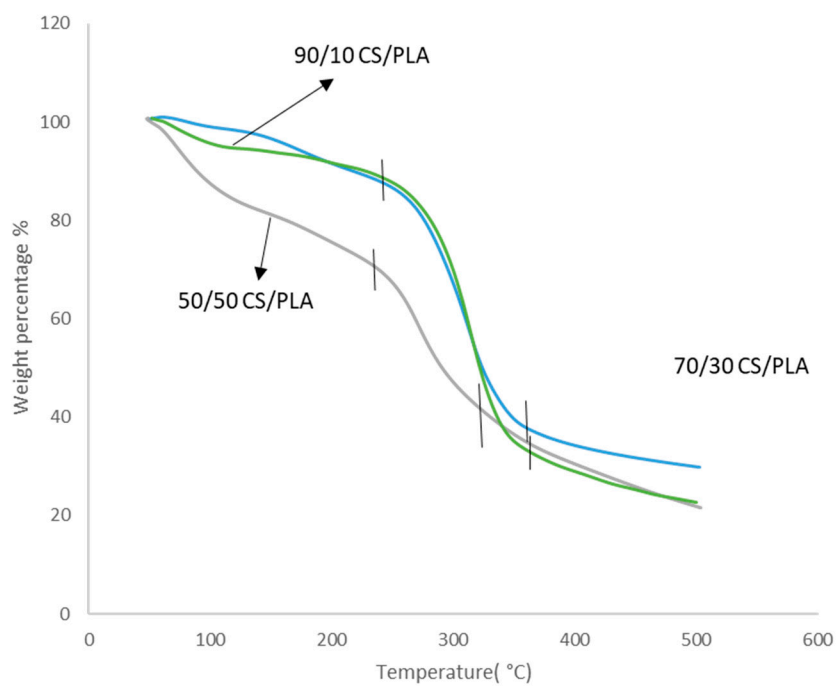
### Supplementary data



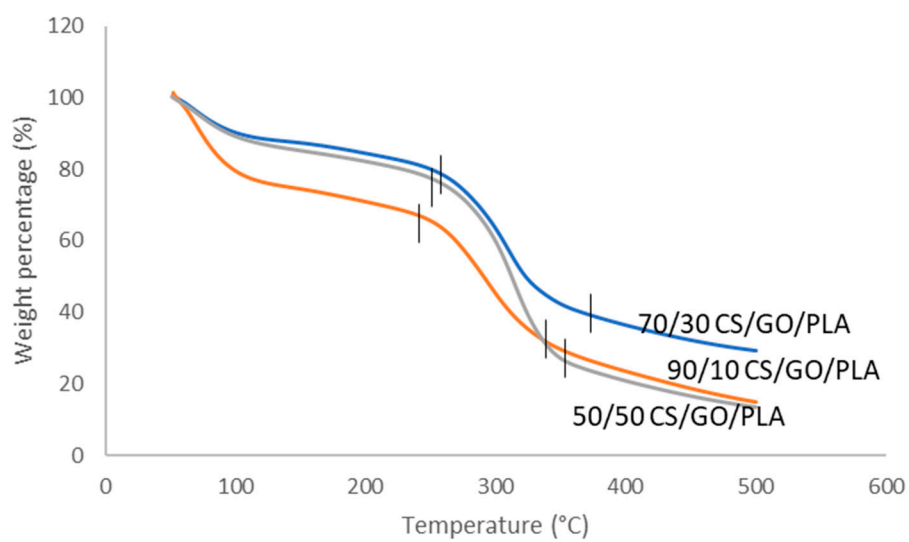
**Figure S1.** FTIR of PLA sample.



**Figure S2.** FTIR of DSC sample.



**Figure S3.** FTIR of CS/PLA without GO samples at different concentration.



**Figure S4.** FTIR of CS/PLA with GO samples at different concentration.