

Supplementary figures

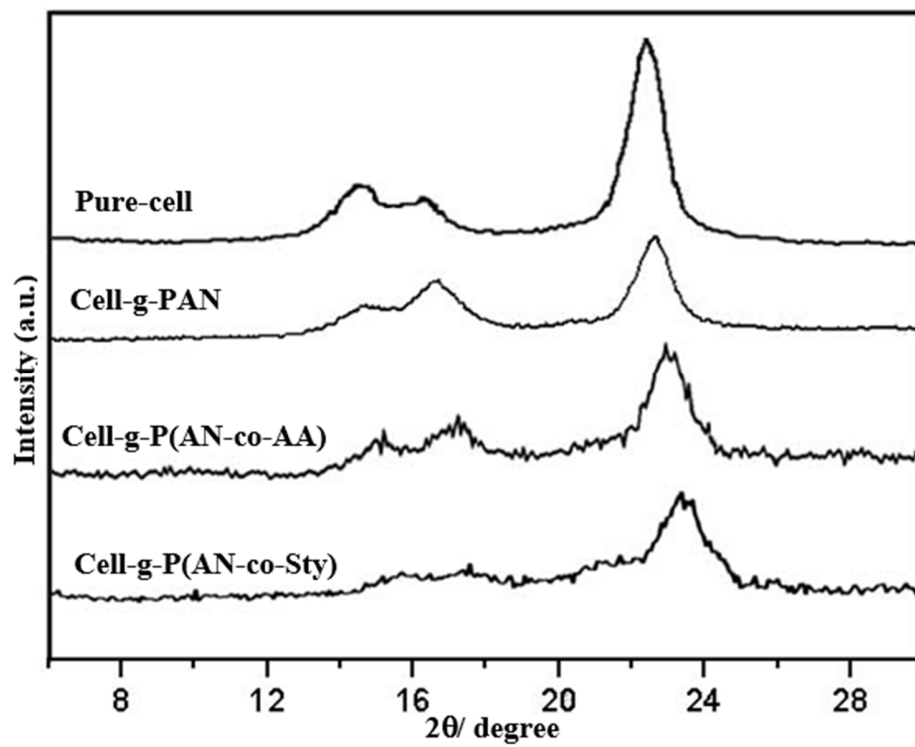


Figure S1. a: X-ray diffraction of pure cellulose and grafted cellulose with monomer mixture of 80:20 ratio of AN/vinyl monomer.

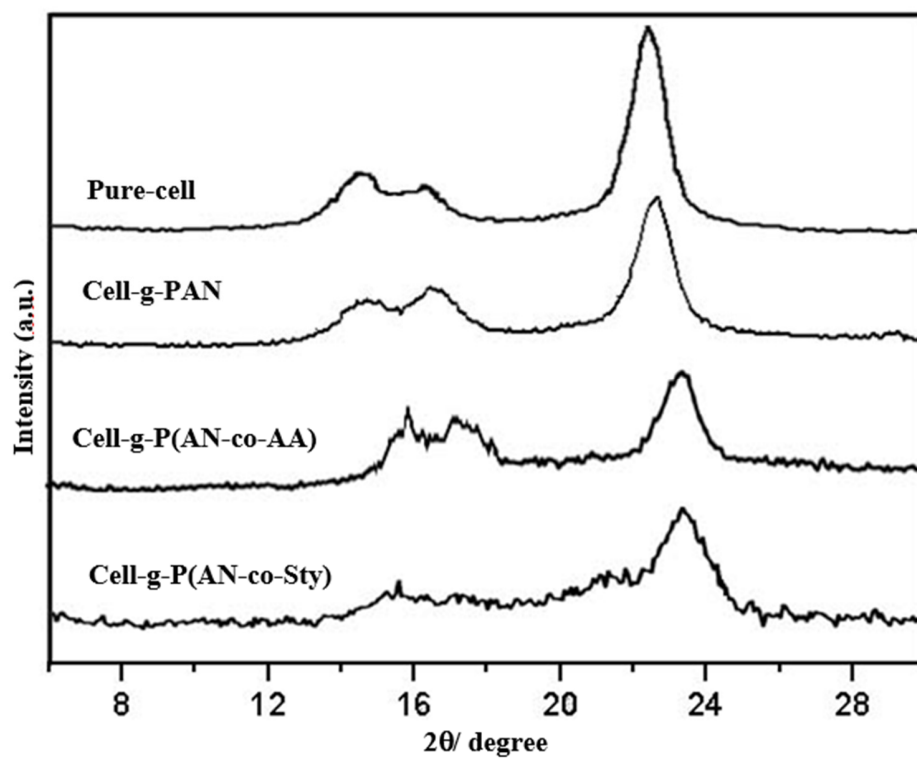


Figure S1. b X-ray diffraction of pure cellulose and grafted cellulose with monomer mixture of 40:60 ratio of AN/vinyl monomer.

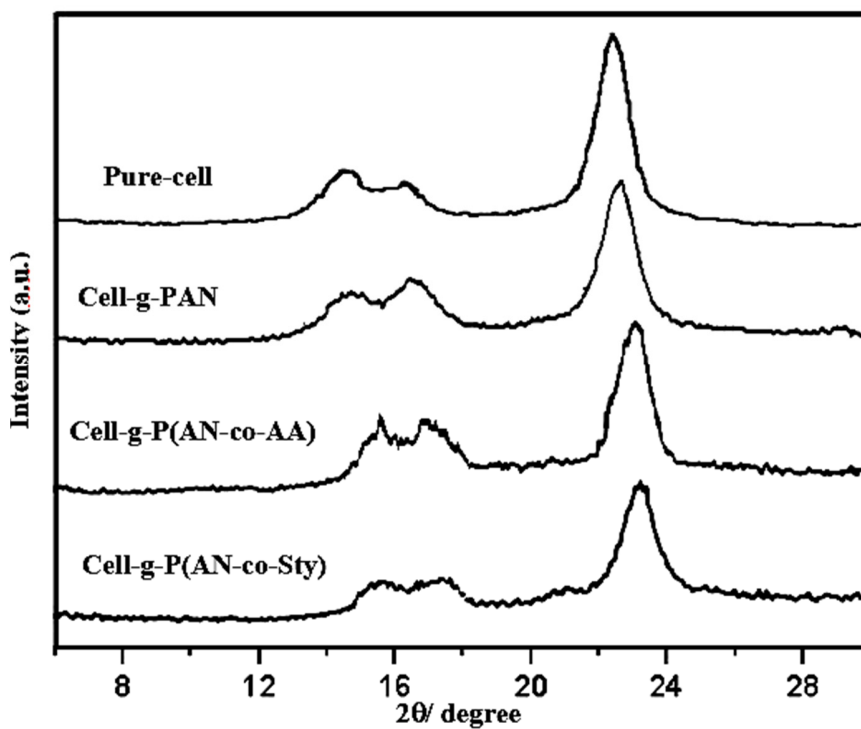


Figure S1. c: X-ray diffraction of pure cellulose and the grafted cellulose with monomer mixture of 20:80 ratio of AN/vinyl monomer.

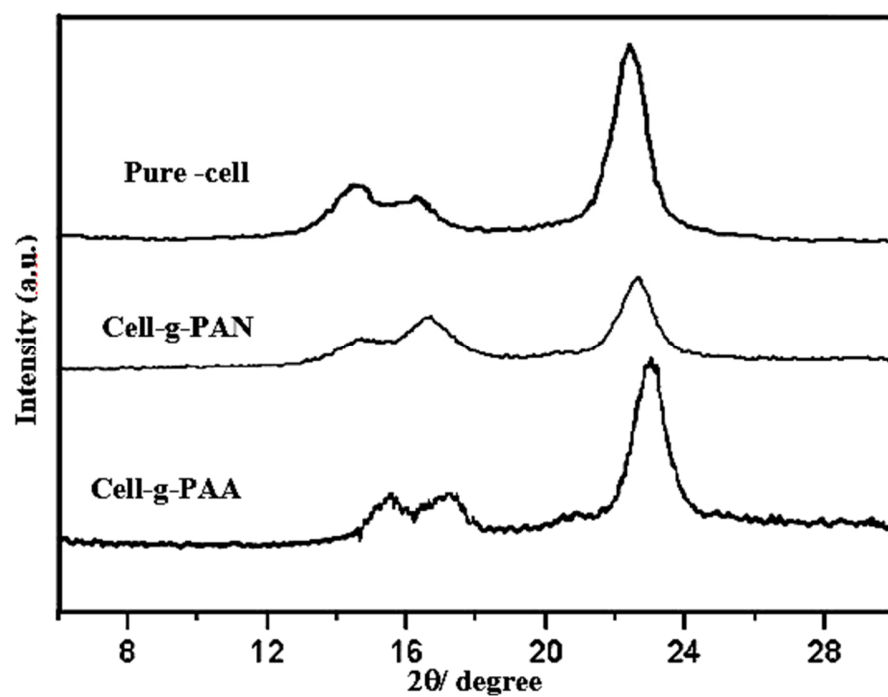


Figure S1. d: X-ray diffraction of pure cellulose and the grafted cellulose with different monomer, monomer Concentration = 10 v%.