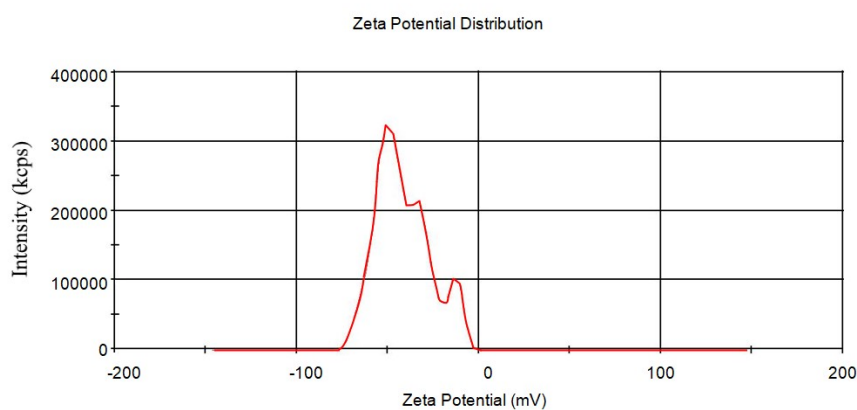


Supplementary Fig. 1



Supplementary Fig. 2

Supplementary Fig. 1: UV-Vis spectral measurement of colloidal eumelanin aqueous solution showed increased absorption toward the UV range (200-400 nm) confirming the ultraviolet light absorption property for produced eumelanin

Supplementary Fig. 2: The surface charge analysis by zeta potential analysis showed -41.7 mV with a zeta deviation of 14.8 mV and conductivity of 1.29 mS/cm thus the eumelanin micro-particles are considered stable with negatively charged.

