

Figure S1. Scanning electron microscopy (SEM) analysis of green-synthesized indium nanoparticles in the time of: **(a)** 30 min, **(b)** 1 h, **(c)** 1.5 h and **(d)** 2 h.

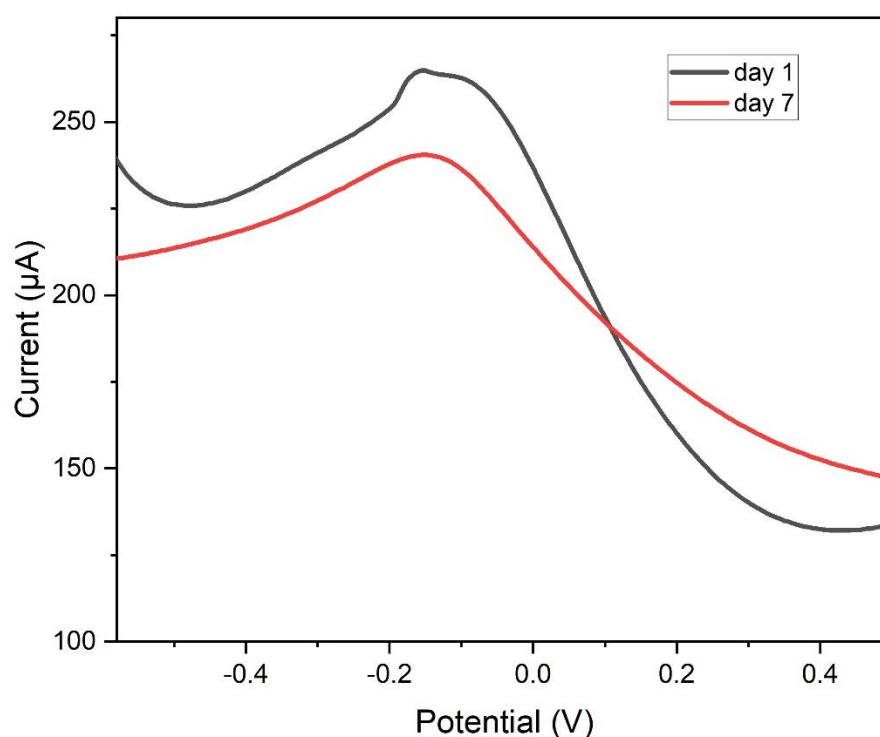
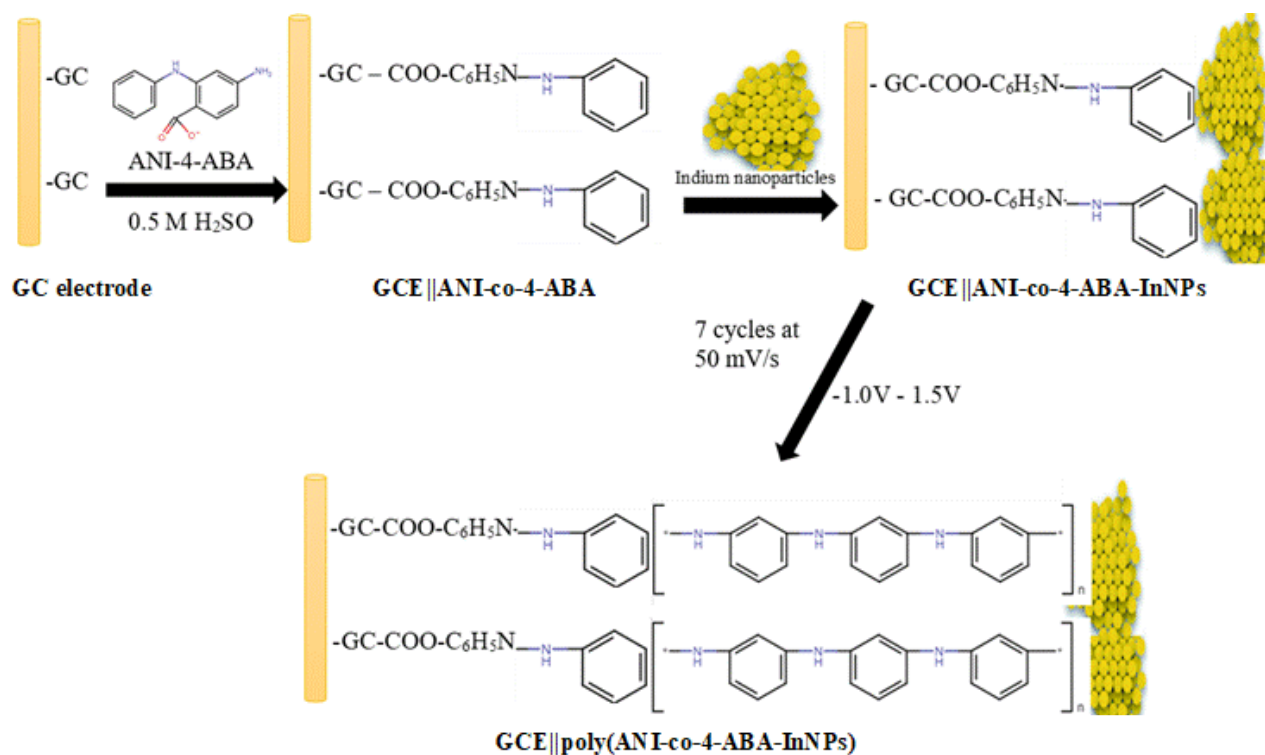


Figure S2. Stability studies: of the biosensor at day 1 and day 7 in DPBS at pH 7.2.



Scheme S1. Proposed schematic representation of ANI-4-ABA-InNPs polymerization on GC electrode to produce poly(ANI-co-4-ABA-InNPs).

Table S1, Depicting the stability studies of the SPCE||poly(ANI-co-4-ABA-InNPs)|CYP3A4 biosensor based on the peak current response.

	Run 1 (μA)	Run 2 (μA)	Run 3 (μA)	Average	Retained current
SPCE poly(ANI-co-4-ABA-InNPs) CYP3A4	323	341	400	355	80.4%
SPCE poly(ANI-co-4-ABA-InNPs) CYP3A4 stored at 4 °C in 10 mM phosphate buffer solution for one week	486.7	143.7	240.4	291.5	