Supplementary material

Fermentation parameters like uric acid concentration, nitrogen source, inoculums concentration and pH were optimised and results are as expressed below.

**Figure captions:**

**Fig. S1:** Effect of inoculum concentration on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8 h and at 180 rpm.

**Fig. S2:** Effect of substrate (Uric acid) concentration on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v) and at 180 rpm**.**

**Fig.S3:** Effect of different nitrogen sources on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v), Uric acid concentration of 0.2% (w/v), and at 180 rpm.

**Fig.S4:** Effect of initial media pH on enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v), Uric acid concentration of 0.2% (w/v), Urea as nitrogen source and at 180 rpm.

**Figures:**

**Fig. S1:** Effect of inoculum concentration on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8h and at 180 rpm**.**

**Fig. S2:** Effect of substrate (Uric acid) concentration on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v) and at 180 rpm**.**

Key:

YE: Yeast extract, BE: Beef extract, Pep: Peptone, AS: Ammonium sulphate, U: Urea, TRP: Tryptone, SP: Soya peptone

**Fig. S3:** Effect of different nitrogen sources on uricase and alkaline protease enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v) , Uric acid concentration of 0.2% (w/v), and at 180 rpm

**Fig. S4:** Effect of initial media pH on enzyme co-production on media 2, fermentation time of 8 h, inoculum concentration of 1% (v/v) , Uric acid concentration of 0.2% (w/v), Urea as nitrogen source and at 180 rpm.