Supplementary Materials

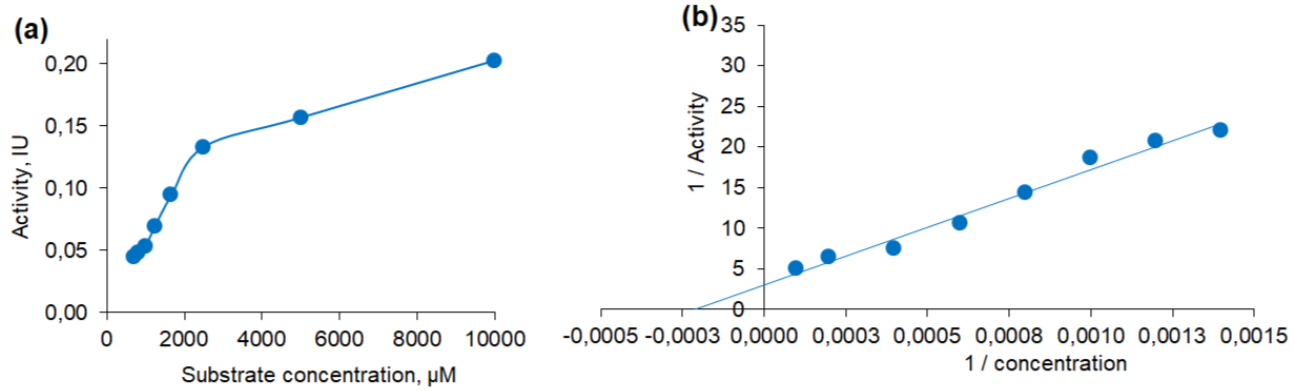


Figure S1. Graphs of kinetic curves for determining the kinetic parameters of TsAI L-asparaginase: **(a)** the graph of the dependence of enzymatic activity on L-asparagine concentration; **(b)** double-reciprocal Lineweaver-Burk plot.

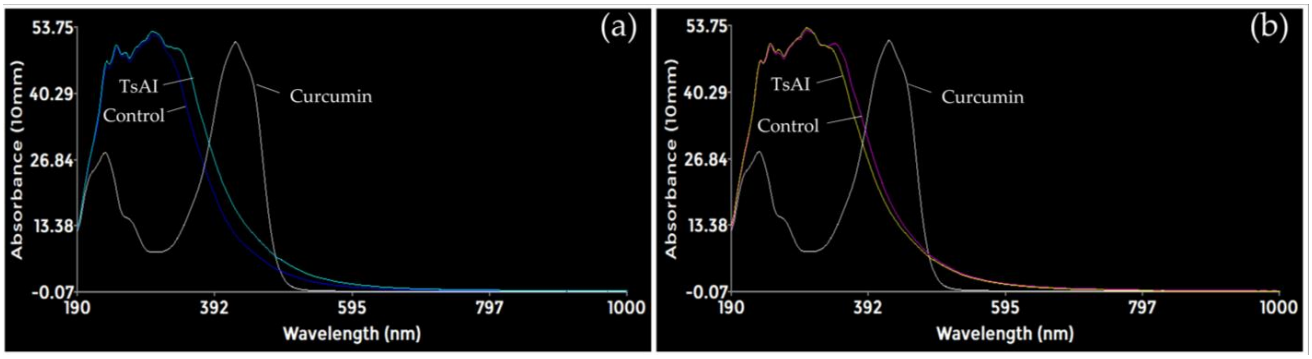


Figure S2. UV-Vis spectra of curcumin, TsAI-untreated (control) and TsAI-treated (TsAI) samples **(a)** after 15 minutes of incubation, **(b)** after 20 minutes of incubation.

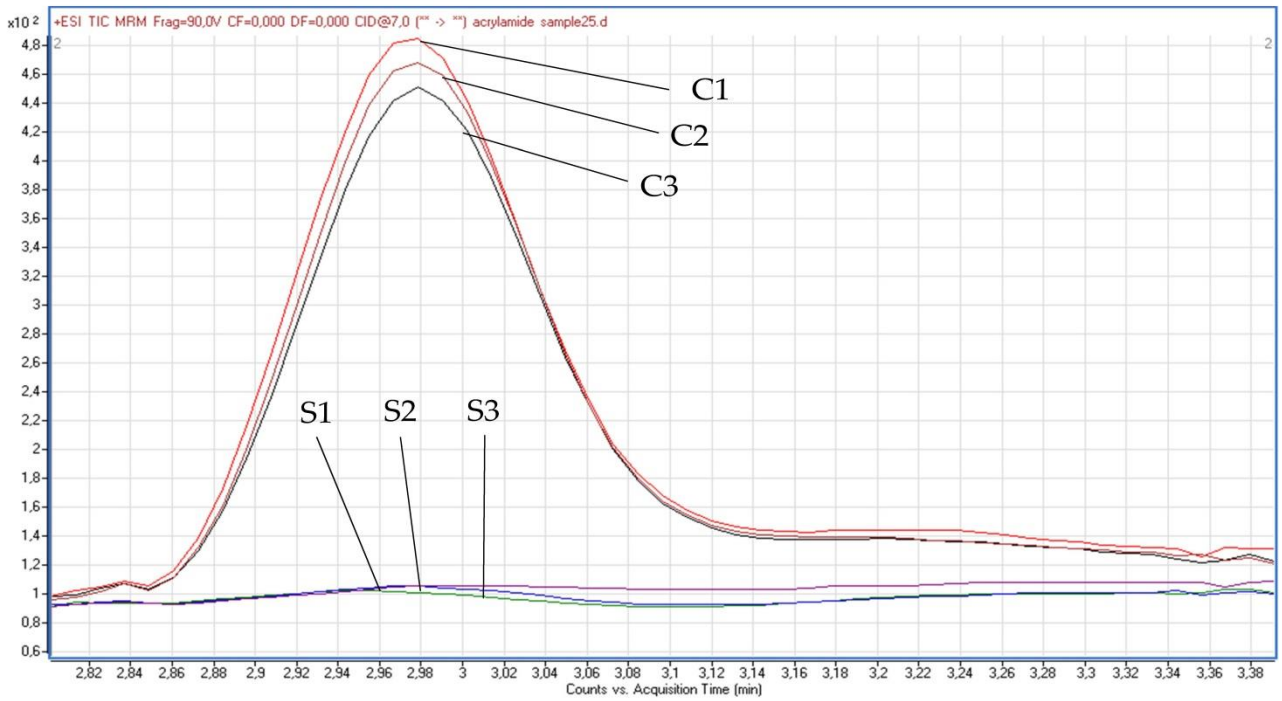


Figure S3. LC-MS/MS-chromatogram of acrylamide content in samples containing L-asparagine: C1, C2, C3 – control samples untreated TsA; S1, S2, S3 – samples after TsA treatment.

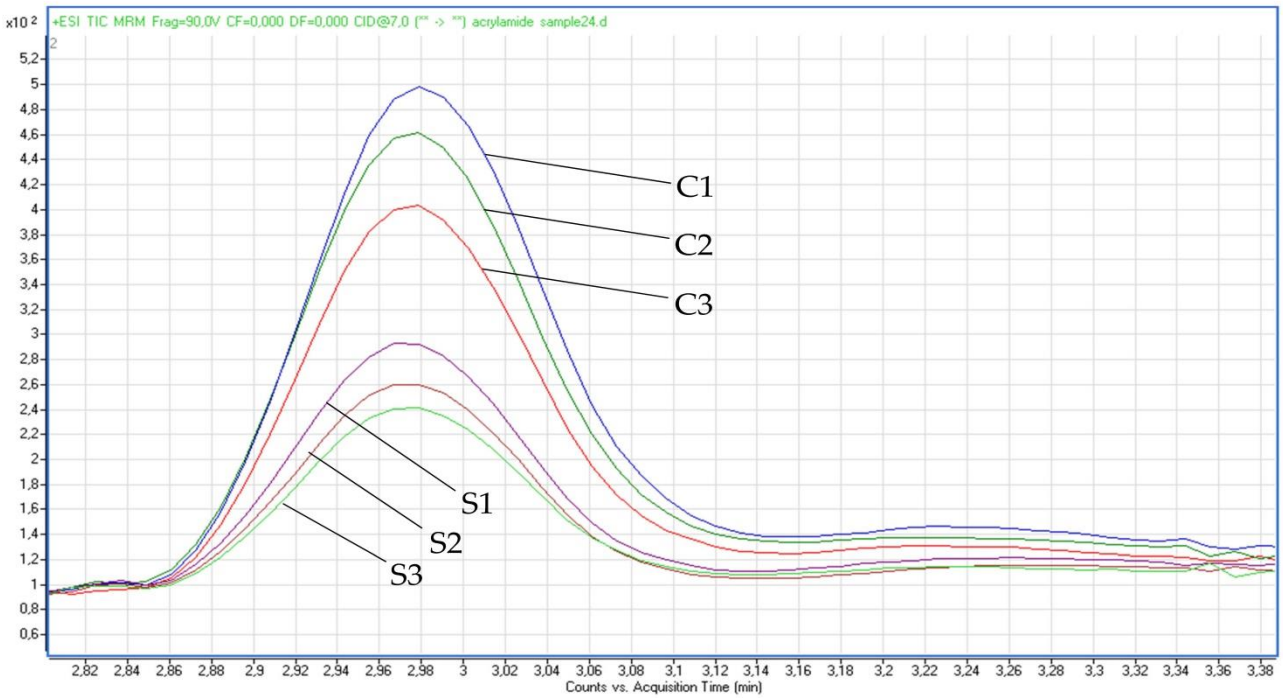


Figure S4. LC-MS/MS-chromatogram of acrylamide content in samples containing D-asparagine: C1, C2, C3 – control samples untreated TsA; S1, S2, S3 – samples after TsA treatment.