ABSTRACT

The objective of this research is to study the *in vitro* antioxidant activity of different organic and inorganic fractions of *Chichorium intybus* and *Cuscuta reflexa* which are effective for the curing of degenerative diseases. Extractions of herbs were carried out in aqueous as well as in different organic solvents. Antioxidant activity and radical scavenging potential of seven fractions were studied by using different antioxidant assays such as ABTS {2,2'-azinobis(3-ethylbenzothiazoline-6-sulphonic acid)}, FRAP (Ferric reducing antioxidant power), TPC (Total phenolic contents), DMPD(N,N –dimethyl –p-phenylene diamine) and DPPH (Diphenyl-1-picrylhydrazyl radical) radical scavenging assay. Trolox Equivalent Antioxidant Activity (TEAC) of the aqueous and organic fractions of these herbs was determined by calculating the % inhibition of the colored radical solution after reaction with samples and standard antioxidant (Trolox).