

ABSTRACT

My rigorous thesis was intend on elaboration of butanol fractions of *Helianthus annuus* L. leaves and simultaneously biological tests were done – antioxidant activity (DPPH test) and fototoxic activity.

The Fractions V 8-10 a V 15-17 are fototoxic and they are toxic for *Tubifex tubifex* organism too. We suppose the presence of seskviterpenoid lactones and therefore it can be fotoxic and toxic for next species of organisms. Antioxidant activity wasn't proved.