

## SHORT ABSTRACT

In the present phase, some natural extracts with high content of anthocyanins from *European Cornelian Cherry – (Cornus mas L)* were obtained and characterized. These extracts were used to get, by direct reduction, noble metallic nanoparticles (gold and silver). The cytotoxicity and antiinflammatory effects of our new products have been determined by *in vitro* and *in vivo* studies. It results that the products are nontoxic and has a good antiinflammatory effect. Due to this conclusions, some dermatological creams have been prepared and their effects were investigated on a sample of patients. The clinical observations have been statistically studied, emphasizing the same theoretical results.