**Fond za inovacionu delatnost-Program transfera tehnologije**

**Naslov projekta**: Natural cosmetic nano-serum with Red Raspberry Seed Oil of Serbian origin for antioxidant treatment of skin photoaging

**Rukovodilac**: prof. Snežana Savić (Katedra za farmaceutsku tehnologiju i kozmetologiju)

Trajanje projekta:15.12.2022.-15.12.2023.

**Budžet projekat**: 2.400.000,00 RSD

**Članovi projektnog tima**: prof. Snežana Savić, van. prof. Ivana Pantelić, asist. dr Tanja Ilić, Ana Gledović, van. prof. Aleksandra Janošević Ležaić

**Apstrakt**: Repeated sun-exposure is responsible for the majority of age-associated skin conditions. In modern populations, signs of photoaging are observed in 72% of men and 47% of women aged above 30, implying the market need for innovative skin care cosmetic products. Although not frequently exploited, Red Raspberry Seed Oil (INCI: Rubus Idaeus (Raspberry) Seed Oil; RRSO), owing to unique composition, is capable to neutralize UV-generated free radicals, prevent deleterious sun effects and repair the affected skin. Considering the limited stability of RRSO, encapsulation in a low-energy nanoemulsion is a promising strategy to maintain/enhance its antioxidant activity. Therefore, applying the sustainable development approach, this project aims to develop natural nanoemulsion-type serum (hereafter nano-serum) with RRSO of Serbian origin, for the antioxidant treatment of skin photoaging (consumers aged 30+), using exclusively natural ingredients and eco-friendly processing, with verified safety profile, improved efficacy and appealing sensorial properties.