



## Nano Vplant-Development of lipid nanovesicles loaded with plant Extract

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### Abstract:

The aim of this study was to develop new lipid nanovesicles (transfersomes) loaded with various plant extracts (*Sambucus ebulus* L., *Echinacea purpurea* L., *Lycium barbarum* L., *Armoracia rusticana* L.) with applications in biomedical or cosmetic field. The plant extracts were loaded in lipid nanovesicles to improve their biodisponibility and to achieve an enhanced pharmacological effect. All selected plant extracts are used in traditional medicine for their anti-inflammatory, antioxidant, antimicrobial, antiarthritic properties. Transfersomes loaded with *Sambucus ebulus*. The obtained nanovesicles showed good entrapment efficiency (>70%), nanometric sizes (<200 nm) and narrow polydispersity index



### Biography:

Pavaloiu Ramona-Daniela is currently a Postdoctoral Researcher at the Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest and also at the National Institute For Chemical-Pharmaceutical Research and Development-ICCF Bucharest. She is a member of 13 research projects (three as Project Manager); has 15 publications; one book chapter; three patents, seven patent applications and two contributions in conference proceedings. She has participated in several international and national conferences

### Publications:

Pavaloiu Ramona Daniela, Evaluation of AML-VAL nanoparticles as combined Therapy in Cardiovascular Disease.

[International conference on Drug Delivery, October 05-06, 2020, Auckland, Newzeland](#)

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