



**82nd International Scientific
Conference of the
University of Latvia 2024**

**International Scientific
Conference on Medicine**

Pharmacy

5 April 2024, 10:45-12:45

Room 105, 1st floor

Session moderators: Zane Dzirkale, Vadims Parfejevs

10:45 Oral presentations

(each presentation = 7 minutes + 3 minutes for discussion)

A comparative analysis of antioxidant activity in ultrasound-assisted extractions of *Artemisia annua* L. and *Artemisia vulgaris* L. utilizing diverse excipients

Nemickaitė Emilija, Ivanauskas Liudas, Marksa Mindaugas, Bernatoniene Jurga

Characterization and optimization of an in vitro model of hepatic steatosis

Kopiks Kirills, Jēkabsons Kaspars, Kaļķe Kitija, Vavutkina Kristīne Laura, Petrova Marija, Namniece Jana, Muceniece Ruta

Development of the biomass production protocol for microalgae *Nannochloropsis* spp. and scaling up on an automated bubble column photobioreactor system to extract polyunsaturated fatty acids

Ērglis Kristaps, **Patetko Liene**, Jakobsons Ēriks, Romanovskis Jānis, Mauriņa Inese, Stunda-Zujeva Agnese, Berele Megija, Muižnieks Indriķis, Ērglis Andrejs

Assessment of antioxidant activity in Latvian sea buckthorn cultivars after enzymatic treatment to separate juice and oil, intended to produce functional food products

Romanovska Aija, Ērglis Kristaps, Jakobsons Ēriks, Romanovskis Jānis, Bartkevics Vadims, Avena Anita, Mauriņa Inese, Muižnieks Indriķis, Ērglis Andrejs

The microbiological stability assessment of sports supplements inactivated with wet and dry heat treatment

Jakobsons Ēriks, Ērglis Kristaps, Romanovskis Jānis, Mauriņa Inese, Muižnieks Indriķis, Ērglis Andrejs

Evaluation of antimicrobial properties of Walnut septum

Ževžikovaitė Nerija, Svidinskaitė Raminta, Ževžikovienė Augusta, Ževžikovas Andrejus

Chemical composition, hepatoprotective, antioxidant and antiglycation effects of nettle leaf water extracts in in vitro assays

Kalke Kitija, Kviesis Jorens, Jansons Aris, Kopiks Kirills, Jēkabsons Kaspars, Vavutkina Kristīne Laura, Petrova Marija, Saleniece Kristīne, Namniece Jana, Muceniece Ruta

Female patients with cardiovascular diseases are treated with lower statin doses when used in combination with ezetimibe in Latvia

Praskilevics Arturs, Urtane Inga, Latkovskis Gustavs

Innovative synthesis of modified Prussian Blue-activated carbon composites for enhanced sorption of metal ions in radioactive fallout scenarios

Eismonts Uģis, Actins Andris, Saleniece Kristīne, Reinholds Ingars, Aldis Zekunde, Kizane Gunta, Grinbergs Andrejs

Does directional hemispherical reflectance distinguish between cefuroxime tablets stored under different conditions?

Meisner Michał, Szulc-Musioł Beata, Sarecka-Hujar Beata

High molecular weight polysaccharides and heteropolysaccharides as a source of new prebiotics isolated from mushrooms of the genus *Cantharellaceae*

Arbidans Lauris, Raiska Madara, Klūga Rihards, Dobkeviča Linda, Meiere Diāna, Leičūnaite Jeļena, Kviesis Jorens