

international conference

ABSTRACT BOOK



CONTEMPORARY PHARMACY: ISSUES, CHALLENGES AND EXPECTATIONS 2026

March 27, 2026
Lithuania, Kaunas



Contemporary Pharmacy: Issues, Challenges and Expectations 2026

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CONTEMPORARY PHARMACY: ISSUES, CHALLENGES AND EXPECTATIONS 2026



Friday, March 27, 2026

Auditorium A-202, Faculty of Pharmacy, LSMU, Sukilėlių av. 13, Kaunas

PLENARY SESSION 9:00-11:30

Moderators: prof. Ramunė Morkūnienė and prof. Victoriya Georgiyants

8:30-9:00	Registration
9:00-9:15	Opening ceremony Prof. Indrė Čėponienė, Vice-rector of the Lithuanian University of Health Sciences, Lithuania Daniel Naumovas, Vice-Minister of Health of the Republic of Lithuania Dovilė Marcinkė, Head of State Medicines control agency of Lithuania
9:15-9:30	The Role of Pharmacists in Historical Emergencies Viktorija Rimkevičienė, Faculty of Medicine, Vilnius University and Lithuanian Institute of History
9:30-9:45	A Crisis Ready Health System: Lithuania's Progress and Next Steps Daniel Naumovas, Vice-Minister of Health of the Republic of Lithuania
9:45-10:00	Organizational forms of strategic security for the distribution of medicinal products up to the year 2027 in the event of a threat to national security, in the context of Good Pharmacy Practice and Good Distribution Practice Dr. Anna Źuk, Independent Laboratory of Community Pharmacy Pomeranian Medical University in Szczecin, Poland
10:00-10:15	Less is more: from education to action Prof. Andrius Macas, Dean of Faculty of Medicine, Lithuanian University of Health Sciences
10:15-10:30	Digital Transformation: The Role of the Community and Hospital Pharmacist Doc. Kristina Garuolienė, Center for Pharmacy and Pharmacology, Institute of Biomedical Sciences, Faculty of Medicine, Vilnius University
10:30-10:40	Pharmacy education in wartime: challenges, resilience and transformation Prof. Oleksandr Kukhtenko, The Rector of the National University of Pharmacy, Kharkiv, Ukraine
10:40-10:50	The role of the Pharmacy and the Pharmacist in modern Ukraine: from pharmaceutical care to frontline support Yulia Klymeniuk, Pharmacists' Association of Ukraine
10:50-11:00	100th Anniversary of the Lithuanian Pharmaceutical Students' Association Edgar Aghasaryan, President of Pharmaceutical Students' Association
11:00-11:10	1794 YEAR PHARMACOPAEA CASTRENSIS & NOSOCOMIALIS EXERCITUS NATIONALIS (dedicated to T. Kosciuszko) – the first military pharmacopoeia of The Polish-Lithuanian Commonwealth Doc. Tauras Antanas Mekas, Director of the Lithuanian Museum of the History of Medicine and Pharmacy, Faculty of Pharmacy, Lithuanian University of Health Sciences
11:10- 11:20	Service and Medicine: Memories of an Army Pharmacist Gintaras Verbus, Pharmacist, Lithuania
11:20-11:30	Uniform and Pharmacy: Memories of Service Romualdas Paulauskas, Pharmacist, Lithuania
11:30-12:00	Coffee break

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CONTEMPORARY PHARMACY: ISSUES, CHALLENGES AND EXPECTATIONS 2026



Friday, March 27, 2026

Auditorium A-202, Faculty of Pharmacy, LSMU, Sukilėlių av. 13, Kaunas

SCIENTIFIC SESSION I 12:00-13:15

Moderators: prof. Valdas Jakštas and prof. Lina Raudonė

12:00-12:15 <i>Online presentation</i>	Quality Improvement Projects by Pharmacy Undergraduates Undergoing Clinical Placements: Longer-term Perspective Dr. Vilius Savickas, Lecturer in Clinical Pharmacy, University of East Anglia School of Pharmacy; Specialist Pharmacist – Cardiology, Pharmacy Department, Norfolk and Norwich University Hospitals NHS Foundation Trust, UK
12:15 – 12:30	Challenges and pitfalls in pharmacognosy with a focus on analytical chemistry and on correct species identification. Prof. Serhat Sezai Cicek, Faculty Life Sciences, Hamburg University of Applied Sciences, Germany
12:30-12:45	Innovative fluoroquinolone analogues as a practical tool for overcoming antibiotic resistance Prof. Victoriya Georgiyants, Pharmaceutical chemistry department, National University of Pharmacy, Kharkiv, Ukraine
12:45-13:00	Integrated Strategies to Combat Antimicrobial Resistance: Bioactive Compounds Gabija Kairytė, Greta Kasputė, State Research Institute Centre for Innovative Medicine, Vilnius, Lithuania
13:00-13:15 <i>Online presentation</i>	In-Silico Predictions Driving the Development of 3D-Printed Drug Delivery Systems Dr. Pooja Todke, Lithuanian University of Health Sciences/India
13:15-14:00	Lunch
14:00-15:30	Poster session
14:00-15:30	Alumni round table Room 232. LSMU Alumni Pharmacy Coordinator prof. Valdas Jakštas

SCIENTIFIC SESSION II 15:30-17:00

Moderators: Dr. Inga Matulytė and Dr. Jurga Andrėja Kazlauskaitė

15:30-15:40	Physicochemical Investigation of Prussian Blue–Bentonite Composites for Military Pharmaceutical Applications Ugis Eismonts, Ingars Reinholds, Zane Dzirkale, Indrikis Muiznieks, Faculty of Medicine and Life Sciences, University of Latvia, Latvia
15:40-15:50	The importance of sustainable sourcing of botanical ingredients for the pharmaceutical industry: The Case of Epilobium hirsutum”. O. Mykhailenko, K. Uminska, T. Stegemann, National University of Pharmacy, Ukraine
15:50-16:00	The role of the clinical pharmacist in the hospital therapeutic team – a survey study P. Baranowski, S. Budziak, M. Matuk, M. Trofimiuk, J. Hermanowicz, M. Baranowska-Kuczko, Medical University of Bialystok, Poland
16:00-16:10	Medication and Dietary Supplement Use in Elderly Polypharmacy Patients in Outpatient Care in Estonia M. Valge, D. Volmer, Institute of Pharmacy, University of Tartu, Estonia
16:10-16:20	Machine Learning–Assisted Raman Spectroscopy as an Innovative Tool for Lipid Characterization in Diabetic Nephropathy M. Khalavka, A. Kryska, M. Sawic, J. Depciuch, J. Siek, A. Fidors, A. Sroka-Bartnicka, Medical University of Lublin, Poland
16:20-16:30	Alginate - based Solid Foam incorporating Rugen Chalk for modern Balneotherapy Applications M. Jurkonis, M. Žilius, K. Banionis, E. Jasiūnienė, J. Bernatoniene
16:30-16:40	Impact of C-Phycocyanin-Loaded Transfersomes on Early Epidermal Proliferation in a Murine Skin Carcinogenesis Model D. Galinytė, N. Juodžiukynienė, I. Balnytė, V. Zigmantaitė, J. Karosienė, J. Bernatoniene, N. Savickienė, Faculty of Pharmacy, Lithuanian University of Health Sciences
16:40-16:50	Phenolic Composition of Prunus armeniaca L. ‘Shalakh’ Leaves: Quantification and Marker Compound Analysis A. Kutsanyan, L. Ivanauskas, V. Georgiyants, Faculty of Pharmacy, Lithuanian University of Health Sciences and National University of Pharmacy, Ukraine
16:50-17:00 <i>Online presentation</i>	Effect of solid dosage form on apigenin and luteolin entrapment: microcapsules versus lyophilized powder E. Nemickaitė, M. Marksa, J. Bernatoniene, Faculty of Pharmacy, Lithuanian University of Health Sciences
17:00-17:30	Conference Closing and Awards



CONTEMPORARY PHARMACY: ISSUES, CHALLENGES AND EXPECTATIONS 2026



Friday, March 27, 2026

Auditorium 438, Faculty of Pharmacy, LSMU, Sukilėlių av. 13, Kaunas

HISTORY OF PHARMACY SESSION

Moderators: prof. Ramūnas Kondratas and assoc. prof. Vilma Gudienė

11:45-12:00	Dāvids Hieronīms Grindelis (1776–1836): The First Latvian Scientist and a Pioneer of Pharmacy and Chemistry in the Baltic Region Indra Vilistere, Inta Vegnere, Inguna Cīrule, Pharmacy Museum, Riga, Latvia
12:00–12:15	Being a Pharmacist in a Provincial Town: The Life Challenges of Ignotas Antanas Skudavičius (1863–1926), Pharmacist of the Old Pharmacy of Šeduva Prof. Aivas Ragauskas, Vilnius University, Vilnius, Lithuania
12:15–12:30	Soviet Cloetta: Attempts to Reintroduce Deep Sleep Therapy for Schizophrenia in the Riga Psychoneurological Hospital in the 1950s Assoc. Prof. Ieva Lībiete, Marika Garnizone, Kaspars Zaltāns, Riga Stradiņš University, Riga, Latvia
12:30–12:45	The driver asked the passengers routinely if they had a gun: The memoirs of Vilnius medical doctors - untold stories Assoc. Prof. Aistis Žalnora, Vilnius University, Vilnius, Lithuania
12:45–13.00	The Medicines Used by the Radziwiłłs, the Noble Family of the Grand Duchy of Lithuania, in the 16th–17th Centuries: From Fashion to Necessity Prof. Raimonda Ragauskienė, Lithuanian Institute of History, Vilnius, Lithuania
13:00–13:15	The Blood of the Romantic Poet Saulius Špokevičius, Lithuanian Association of the History and Philosophy of Science, Vilnius, Lithuania
13:15–14:00	Lunch break
14:00-14:10	Professor of Vilnius University Jan Fryderik Wolfgang – a life dedicated to pharmacy and beloved botany Dr. Silva Žilinskaitė, Vilnius University Botanical Garden, Vilnius, Lithuania
14:10–14.20	Lithuanian Pharmacy in Pins: Faleristics as a Source of Institutional Memory Dr. Birutė Railienė, The Wroblewski Library of the Lithuanian Academy of Sciences; Pin Museum, Vilnius, Lithuania
14:20–14:30	Military Training at Kaunas Medical Institute: A Historical Retrospective Prof. Liudas Ivanauskas, Lithuanian University of Health Sciences, Kaunas, Lithuania
14:30–14:40	Archival Perspectives on Military Training at Kaunas Medical Institute: The Andrius Rondonanskis Photographic Archive Angelė Rudžianskaitė, Lithuanian University of Health Sciences Museum of the History of Lithuanian Medicine and Pharmacy, Kaunas, Lithuania
14:40–14:50	Lithuanian Pharmacists' Doctoral Dissertations as a Mirror of Scientific Evolution Austėja Kaustelytė, Vilma Gudienė, Lithuanian University of Health Sciences, Kaunas, Lithuania
14:50–15:00	Closing of the section

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The study of *Rosa × damascena* Mill. petals volatile compounds collected in Ukraine

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Background: The essential compounds of *R. × damascena* petals grown in Ukraine have not been sufficiently studied.

Aim: To determine the qualitative composition and quantitative content of volatile compounds of *R. × damascena* petals collected in Ukraine.

Methods: *R. × damascena* petals were collected in Perechyn, Zakarpattia region, Ukraine. The qualitative composition and quantitative content of volatile compounds was determined by the GC-MS method (1) and verified by (2,3). The ratio between essential oil components was calculated from the total amount of identified substances.

Results: Not less than 43 volatile compounds were identified with high probability. Oleoptene part of volatile compounds was represented by phenyl ethyl alcohol (5.11%), furfural (4.2%), geraniol (2.84%), linalool (1.61%), γ - and β -eudesmol (1.11 and 1.32%) in the highest amount. Stearoptene part included tricosane (14.37%), heneicosane (7.66%), n-hexadecanoic acid (8.4%), nonadecane (2.5%) in the highest amount.

Conclusion: The volatile compounds of *R. × damascena* petals collected in Ukraine are represented by terpenes, heterocycles, fatty acids, and straight-chain alkanes. The main components are phenyl ethyl alcohol (2.84%) and tricosane (14.37%).

References:

1. Pokajewicz K, Shanaida M, Hudz N, Svydenko L, Yezerska O, Wieczorek PP, et al. GC-MS evaluation of the essential oils from the newly developed cultivars of *Satureja montana* grown in Southern Ukraine. *Acta Pol Pharm.* 2023;80(4):591-601.
2. Adams, R. P. Identification of Essential Oil Components by Gas Chromatography Mass Spectroscopy; Allured Publishing Corporation: Carol Stream, Ill, 2007.
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