

The Strategy for the Development of Medical and Social Sciences in the Republic of Tajikistan: Experience, Problems, and Solutions.

An international symposium, Metabolomics: Towards the Acceleration of Antibacterial Plant-Based Lead Discovery.

Dushanbe, Tajikistan. October 17, 2025.

Program of the symposium.



Conference panel. October 17, 2025



Conference participants. October 17, 2025



International symposium participants. Metabolomics of Plants, Humans, and Microorganisms.



Professor Saidbeq Satorov and CBCD graduates Komron Bukhorizoda and Sulhia Mavlonazarova.



INTERNATIONAL SYMPOSIUM

METABOLOMICS OF PLANTS, HUMANS, AND MICROORGANISMS

Date: October 17, 2025

Place: NEI 'Medical-Social Institute of Tajikistan', Republic of Tajikistan, Dushanbe, st. Klara Zetkin 2, Main building, classroom 602

Time: 12.00 – 17.00

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Moderators:

Professor Saidbeg Sattorov

Ph.D. Fazila Mirzoeva

Program

Time	Topic	Speaker
12:00-12:10	Opening of the work of section and greeting of the participants	Moderators
12:15-12:30	Metabolomic Profiling and Bioactivity of Aphid-Induced Galls in Tajikistani <i>Pistacia vera</i> L. (Pistachio)	Joshua M. Henkin, Department of Plant Biology, Rutgers University, USA
12:30-12:45	Microscopic Study of Endemic Ferula Species	Mavlonazarova Sulkhiya, Acting Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Medical and Social Institute of Tajikistan
12:45-13:00	Antibacterial properties of alcoholic extracts of the genus <i>Swida darvasica</i> (Pojark.) Sojak.	Turazoda Parviz, Acting Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Medical and Social Institute of Tajikistan
13:00-13:15	Phenological characteristics of <i>Rosa damascena</i> Mill. in the Hissar Valley and their importance for adaptation and commercial cultivation	Nazarmamadova Sohibjamol, Acting Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Medical and Social Institute of Tajikistan
13:15-13:30	The Effect of Organs and Sample Processing Methods on the	Sulkhiya Mavlonazarova, Acting Assistant Professor, Dept. of

	Metabolite Composition of <i>F. violacea</i>	Microbiology, Virology, and Immunology, Medical and Social Institute of Tajikistan
13:30-13:45	Metabolic Differences between <i>F. Violacea</i> Roots and Seeds	Rinat Abzalimov, Center for Advanced Research, City University of New York, USA
13:45-14:00	<i>Ferula violacea</i> Metabolomics: Organo- and Extraction-Dependent Phytochemical Profiles Revealed by Untargeted UHPLC-QTOF Analysis	Kenneth Acosta, Department of Plant Biology, Rutgers University, USA
14:00-15:00	LUNCH	
15:00-15:15	Herbal remedies used for purulent-inflammatory diseases	Zamira Fayzulloyeva, PhD, Associate Professor, Dept. of Microbiology, Virology, and Immunology, Tashkent State Medical University
15:15-15:30	Expression of circulating micro RNA-199 and micro RNA-155 in chronic viral hepatitis B and C	Ulugbek Abdullaev, Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Tashkent Medical Academy
15:30-15:45	New approaches to assessing immune status in chronic infectious and inflammatory processes of the respiratory tract	Valijon Masharipov, Senior Lecturer, Dept. of Microbiology, Virology, and Immunology, Tashkent Medical Academy

15:45-16:00	Local immunity and specific sensitization to bacterial antigens in children with tonsillitis	Valijon Masharipov, Senior Lecturer, Dept. of Microbiology, Virology, and Immunology, Tashkent Medical Academy
16:00-16:15	Methods for detecting Pseudomonas aeruginosa in patients with burns	Faizulla Boltuyev, 5th-year medical student, Tashkent State Medical University
16:15-16:30	The Role of Regular Green Tea Consumption in the Prevention of Metabolic Syndrome Components in Students	Ruslan Kamalov, 5th-year medical student, Tashkent State Medical University
16:30-16:40	Bacterial Microflora Genotype in Nasopharyngeal Swabs of COVID-19 Patients	Sobirzhon Zhumamurodov, Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Tashkent Medical Academy
16:40-16:50	Nasal microflora characteristics in patients with allergic rhinitis in the Aral Sea region	Zukhra Orinbaeva, Assistant Professor, Dept. of Microbiology, Virology, and Immunology, Tashkent Medical Academy
16:50-17:00	Discussion and Summing up the results of the section	Moderators