**The program of the II International Interdisciplinary Scientific Youth Forum “Structural and functional unity of soil and adjacent environments”**

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| **Data** | **Time** | **Activity** | **Moderator** | **Location** |
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| **19.07.2025**  **Saturday** | 9:30-10:30 | Registration of participants.  Opening of the Forum, presentation of participants, formation of scientific groups | Afrah Hamed Al-Shukaili  Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |
| 10:30-11:00 | **The plenary report and discussion.**  **A.B. Umarova "Agrophysical approach to urban landscape research"** | Afrah Hamed Al-Shukaili  Konstantin Romanenko | The M-1 auditorium |
| 11:00-13:00 | A master class. "Methods of field agrophysical studies of properties of components of urban landscapes" | Anna Ivanova  Anna Kokoreva  Artem Sadykov  Marina Butylkina  Marina Rozanova | MSU Campus |
| 13:00-14:00 | *Lunch* | | |
| 14:00–14:30 | **The plenary report and discussion.**  **A.E. Ivanova "Biological aerosols in the air: why study and what does the soil have to do with it?"** | Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |
| 14:30-  15:30 | A master class. "Methods of field research of aerosols" | Anna Ivanova  Riana Akhmetzyanova  Artem Sadykov  Anna Shutova | MSU Campus |
| 15:30-16:00 | Summarizing the results of the work | Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |
| **20.07.2025 Sunday** | | **Weekend** | | |
| **21.07.2025**  **Monday** | 10:00-10:30 | **The plenary report and discussion.**  **M.V. Gorlenko "New methods for assessing the functional state of soils"** | Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |
| 10:30-  13:00 | Master classes:  - "Field method for determining CO2 emissions from the soil surface"  - "Agrophysical methods of soil research"/  Excursion to the Botanical Garden | Anna Kokoreva  Artem Sadykov  Mikhail Gorlenko Natalia Kostina  Marina Butylkina  Afrah Hamed Al-Shukaili | MSU Campus |
| 13:00-14:00 | *Lunch* | | |
| 14:00-15:00 | **The plenary report and discussion**  **P.V. Krasilnikov "Food losses and waste, and their impact on the carbon balance"** | Konstantin Romanenko | The M-1 auditorium |
| 15:00-16:00 | Master classes: - "Multisubstrate testing method"  - "Agrophysical methods of soil research" | Natalia Kostina  Mikhail Gorlenko  Artem Sadykov  Anna Kokoreva | The 193 auditorium/  MSU Campus |
| 16:00- 18:00 | Friendly evening |  | The 193 auditorium |
| **22.07.2025**  **Tuesday** | 10:00-10:30 | **The plenary report and discussion.**  **M.S. Rozanova "Ecological problems of functioning of urban soils"** | Artem Sadykov  Konstantin Romanenko | The M-1 auditorium |
| 10:30  13:00 | Scientific excursion "Lysimetric methods of soil research"  Master classes:  "Determination of the wetting edge angle"  "Determination of the content of petroleum products, chlorides and soil pH"  "Introduction to laser diffractometry and rheometry methods"  "Determination of thermophysical properties of soils" | Aminat Umarova  Anna Kokoreva  Artem Sadykov  Konstantin Romanenko  Marina Butylkina  Marina Rozanova | Soil science stationarius |
| 13:00-14:00 | *Lunch* | | |
| 14:00-17:00 | Master classes:  - "Agrophysical methods of soil research";  - "Processing, analysis and presentation of experimental data"/  Moscow State University Museum of Earth Sciences Tour | Svetlana Klushina Konstantin Romanenko  Artem Sadykov  Marina Butylkina  Anna Kokoreva Aminat Umarova  Ekaterina Makarova | The 193 auditorium / MSU Campus/ The main building of Moscow State University |
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| **23.07.2025**  **Wednesday** | 10:00-13:00 | A master class. "Investigation and assessment of the content of bacterial and fungal organisms (CFU) in soil samples by rapid analysis using petritests"/ Excursion to the Botanical Garden of Moscow State University | Anna Ivanova  Riana Akhmetzyanova | The 193 auditorium |
| 13:00-14:00 | *Lunch* | | |
| 14:00-14:45 | **Plenary report and discussion. Yu.A. Zavgorodnaya "Polycyclic aromatic hydrocarbons: how they behave in the soil"** | Anastasia Meltsaeva | The M-1 auditorium |
| 15:00-17:00 | Master classes:  - "Agrophysical methods of soil research"  - "Processing, analysis and presentation of experimental data"  / Moscow State University History Museum Tour/ Continuation of the master classes | Artem Sadykov  Aminat Umarova  Anastasia Meltsaeva Marina Butylkina  Anna Ivanova  Anna Kokoreva  Ekaterina Makarova | The 193 auditorium / MSU Campus/ Moscow State University Fundamental Library |

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| **24.07.2025**  **Thursday** | 10:00-10:30 | **Plenary report and discussion.**  **Afrah Hamed Al-Shukaili**  **«From Seed to Structure: The Role of Vegetation in Omani Mini-Dunes»** | Anastasia Meltsaeva | The M-1 auditorium |
| 10:00-13:00 | Master class "Processing, analysis and presentation of experimental data"/ Excursion to the Botanical Garden of Moscow State University | Artem Sadykov  Marina Butylkina  Anna Ivanova  Anna Kokoreva  Ekaterina Makarova  Aminat Umarova | The 193 auditorium /  MSU Campus |
| 13:00-14:00 | *Lunch* | | |
| 14:00-15:00 | Master class "Processing, analysis and presentation of experimental data" | Artem Sadykov  Marina Butylkina  Anna Ivanova  Anna Kokoreva  Ekaterina Makarova  Aminat Umarova | The 193 auditorium |
| 15:00-15:45 | The plenary session:  1. The plenary report N.V. Kostina, "Microbiome from soil health to human health"  2. The plenary report L.G. Stoyanova "Food engineering: biotechnologies and production of biofunctional products"  3. The plenary report Z.N. Khatko "Pectin-containing products and multifunctional products: deep processing and health care | Konstantin Romanenko  Anastasia Meltsaeva | The M-1 auditorium |
| 15:45-17:00 | Discussion table "Soil health – human health" | Natalia Kostina  Zuret Khatko  Lydia Stoyanova | The M-1 auditorium |
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| **25.07.2025**  **Friday** | 10:00-11:00 | Master class "Processing, analysis and presentation of experimental data" | Artem Sadykov  Marina Butylkina  Anna Ivanova,  Anna Kokoreva Ekaterina Makarova  Aminat Umarova | The M-1 auditorium /  The 193 auditorium |
| 11:00-13:00 | **Conference "Presentation of experimental results"** | Aminat Umarova  Konstantin Romanenko  Vladimir Goncharov | The M-1 auditorium |
| 13:00-14:00 | *Lunch* | | |
| 14:00-15:00 | Preparing for the debate | Afrah Hamed Al-Shukaili  Artem Sadykov  Marina Butylkina  Anna Ivanova  Anna Kokoreva  Ekaterina Makarova  Aminat Umarova | The M-1 auditorium / The 193 auditorium |
| 15:00 – 16:30 | **The debate «Structural and Functional Unity of Soils and Adjacent Environments»** | Afrah Hamed Al-Shukaili  Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |
| 16:35-17:00 | Closing of the Forum | Aminat Umarova  Konstantin Romanenko | The M-1 auditorium |

* *There may be changes in the program due to weather conditions and experimental tasks.*