



**INTERNATIONAL RESEARCH
AND EDUCATIONAL FORUM**

EURASIA 2022:

THE SOCIAL AND HUMANITARIAN SPACE IN THE ERA OF GLOBALIZATION AND DIGITALIZATION

Venue 11
SOUTH URAL STATE
AGRARIAN UNIVERSITY

**FOOD SECURITY:
REGIONAL, NATIONAL
AND GLOBAL STRATEGIES**



PROGRAM

April 6–8, Chelyabinsk 2022

April 7, 2022

VENUE 11

“FOOD SECURITY: REGIONAL, NATIONAL AND GLOBAL STRATEGIES”

South Ural State Agrarian University (Venue 11)

75 Lenin Prospekt

09.00 – 16.00 International Science-to-Practice Conference “Food Security: Regional, National and Global Strategies”
local time

09.00 – 10.30 Registration

10.00 – 11.30 Plenary (Venue 11.0)

Conference Hall
(Room 505),
75 Lenin Prospekt

Moderator: **Natalya Nizamutdinova**, Candidate of Sciences (Economics), Associate Professor, Vice-Rector for Research and Innovations

Welcome address by:

Svetlana Cherepukhina, Candidate of Sciences (Economics), Associate Professor, Rector of South Ural State Agrarian University

Reports:

1. **D. N. Akabirova (Tashkent State Agrarian University, Uzbekistan)**. Developing and Establishing Innovative Transformations in the Agroindustrial Complex of Uzbekistan
2. **A. R. Anorbaev (Plant Protection Scientific and Research Institute, Uzbekistan), A. Kh. Rakhmonov (Tashkent State Agrarian University, Uzbekistan)**. Studying the Effectiveness of Entovidor k. s. against Mites on Apple Trees
3. **A. V. Gritsenko (South Ural State Agrarian University, Russia), A. Yu. Burtsev (Branch of Kuzbass State Technical University named after T. F. Gorbachev, Russia)**. Increasing the Performance Capability of Motor and Tractor Turbochargers by Improving the Systems of Lubrication, Cooling, and Air Injection
4. **V. S. Zybalov, O. I. Khalupo (South Ural State Agrarian University, Russia)**. Improving Soil Fertility is the Basis of the Food Security of the Chelyabinsk Region
5. **I. A. Tautenov, L. A. Tokhetova (Korkyt Ata University, Republic of Kazakhstan)**. The Influence of Phosphogypsum on Rice Crop Yield in the Saline Soils of the Aral Sea Region in Kazakhstan
6. **T. N. Khalmuradov, M. A. Allanazarov (Tashkent State Agrarian University, Uzbekistan)**. Combines and Resource-saving Machines for Secondary Tillage
7. **K. Yu. Shcherbak (Polotsk State University, Republic of Belarus)**. Approaches to Defining the Concepts of *Quality* and *Security* of Products in the Legislation of Eurasian Economic Union Countries
8. **P. N. Shcherbakov, K. V. Stepanova (South Ural State Agrarian University, Russia)**. The Influence of Symbiotic Microbes on Urea Transformation in Chronic Ammonium Intoxication of Calves

9. **N. D. Yantsov, A. G. Vabishchevich, G. I. Koshlya, E. V. Gvozdakov** (Belarusian State Agrarian Technical University, Republic of Belarus). Soil Density and its Influence on Other Agrophysical Properties when Affected by Machine Track Movers

Questions and discussion

12.00 – 14.00 Section 1. Innovative Technologies in Agro-industrial Complex (Venue 11.1)

Conference Hall
(Room 505),
75 Lenin Prospekt

Supervisor: **A. V. Gritsenko**, Doctor of Sciences (Engineering), Associate Professor

Secretary: **D. B. Vlasov**, Candidate of Sciences (Engineering)

Keynote reports:

1. **E. M. Basarygina (South Ural State Agrarian University)**. Means and Methods of Electrotechnics for Greenhouse Crop Production
2. **D. B. Vlasov (South Ural State Agrarian University)**. The Influence of Fuel Contamination on the Testing Parameters of an Electric Pump
3. **V. A. Zakharov, S. A. Ivanova, S. I. Urazov (South Ural State Agrarian University)**. Using Electronic-ionic Technologies to Improve the Potato Preservation
4. **O. S. Ptashkina-Girina, K. O. Endaltsev (South Ural State Agrarian University)**. Modelling a Free Flow Hydraulic Turbine
5. **M. V. Piataev, A. P. Zyrianov (South Ural State Agrarian University)**. Assessing Soil Surface Microrelief Copying by the Sowing Section
6. **V. V. Selunskiy (South Ural State Agrarian University)**. Feasibility of Implementing the Electrostatic Method of Producing Fish Products in the South Ural Region
7. **I. N. Starunova, A. V. Starunov (South Ural State Agrarian University)**. Studying the Safety Indices for the Operators of Mobile Power Sources

The following people are invited to participate in this section: South Ural State Agrarian University: P. L. Aytleva, V. A. Afonkina, A. V. Belov, O. S. Volkova, O. A. Guseva, Yu. P. Ilyin, D. V. Kozyrev, V. M. Popov, N. V. Skorodumova, E. V. Shalonkina, and other registered participants

14.00 – 16.00 Section 2. The Rational Use of Natural and Man-made Resources in Agricultural Technology (Venue 11.2)

Conference Hall,
8 Sovetskaya
Street, Miasskoye
settlement,
Chelyabinsk
Region

Supervisor: **S. M. Krasnozhan**, Candidate of Sciences (Agriculture), Associate Professor

Secretary: **E. Yu. Matveeva**, Candidate of Sciences (Biology), Associate Professor

Keynote reports:

1. **O. S. Batraeva (South Ural State Agrarian University)**. The Influence of the Kinematic Characteristics of Tillage Outfit on Soil Panning

2. **A. A. Griaznov, O. V. Romanova (South Ural State Agrarian University), O. A. Griaznova (Kursk State Agricultural Academy named after I. I. Ivanov).** Hull-less Barley as an Innovative Factor for Livestock Farming
3. **O. M. Doronina (South Ural State Agrarian University).** The Influence of Preceding Crops on the Spring Wheat Yield in the Forest-steppe Zone of the Chelyabinsk Region
4. **E. S. Ivanova, E. Yu. Matveeva (South Ural State Agrarian University).** The Influence of Growth Regulators on the Germinating Energy and Laboratory Germination of Tomato Seeds
5. **A. A. Kalganov, S. S. Sokhibov (South Ural State Agrarian University).** Spatial Distribution of Soil Acidity on the Experimental Field of an Agroecology Institute
6. **M. A. Kramarenko, A. V. Nesmeyanova (South Ural State Agrarian University).** Using Buckwheat Hulls as a Growing Medium for Hiratake Mushroom Beds
7. **S. M. Krasnozhon (South Ural State Agrarian University).** Using Multipurpose Insecticide-and-fungicide Seed Disinfectant in the Modern Methods of Grain Farming
8. **L. E. Lipp (South Ural State Agrarian University).** Protecting Potato Crops from Weeds in the Northern Forest-steppe Zone of the Chelyabinsk Region
9. **E. A. Minaev (South Ural State Agrarian University).** The Effectiveness of Using Hull-less Barley in Mixed Feed for Rabbits
10. **N. A. Telichkina (South Ural State Agrarian University).** Landscaping of Rural Areas as an Element of Social Infrastructure Development
11. **Yu. Z. Chiniaeva (South Ural State Agrarian University).** Recycling Pig Manure by Adding it as a Fertilizer to the Plowing Layer of Black Earth Soil

14.00 – 16.00 Section 3. Topical Issues of Intensive Livestock Farming Development (Venue 11.3)

Supervisor: **M. A. Derkho**, Doctor of Sciences (Biology), Professor
Secretary: **G. V. Meshcheriakova**, Candidate of Sciences (Biology), Associate Professor

Keynote reports:

1. **E. N. Barzanova (South Ural State Agrarian University).** The Microbiological Background of Pig-breeding Facilities when Using the Microzym Biological Destructor
2. **D. M. Maksimovich, A.M. Gertman, O.V. Naumova (South Ural State Agrarian University).** Veterinary and Sanitary Evaluation of the Products of Slaughtering Sheep of Various Ages in the Technogenic Province of the South Ural Region
3. **K. K. Muliavka (South Ural State Agrarian University).** The Productive Longevity of Cows in a Highly-productive Herd of Cattle

Conference Hall,
13 Gagarina
Street, Troitsk,
Chelyabinsk
Region

4. **V. K. Strizhikov, T. A. Ponomareva (South Ural State Agrarian University).** The Anatomic Features of the Parencephalon in the Domestic Fowl
5. **S. V. Strizhikova (South Ural State Agrarian University).** The Morphofunctional Characterization of Exocrinocytes in the Avian Oviduct in the Comparison of Species
6. **O. Yu. Tsareva (South Ural State Agrarian University).** The Interrelation between Avian Ovary, Kidney, and Adrenal Glands
7. **E. I. Shigabutdinova (South Ural State Agrarian University).** The Influence of the Origin of Boar Piglets and Breeding Boars on Culling Due to Inguinal and Inguinoscrotal Hernia
8. **T. V. Yanich (South Ural State Agrarian University).** Cortisol and its Role in the Formation of Thrombocytogram in Heifers

The following people are invited to participate in this section: South Ural State Agrarian University: I. A. Bazhenova, A. N. Bezin, E. A. Bilan, I. V. Bobyleva, E. A. Burmistrov, O. A. Vagapova, O. A. Vlasova, O. A. Gumeniuk, A. O. Derkho, M. A. Derkho, M. V. Eliseenkova, O. V. Epachintseva, A. V. Zhivetina, N. A. Zhuravel, E. A. Krasnoperova, A. E. Kushnir, T. N. Makarova, Yu. V. Matrosova, R. S. Mekin, T. V. Savostina, E. R. Sayfulmuliukov, L. N. Sayfutdinova, T. I. Sereda, S. A. Sorokina, R. A. Tokarchuk, N. P. Tropnikova, N. V. Fomina, L. V. Chernyshova, T. N. Shniakina, and other registered participants

14.00 – 16.00 Section 4. The Sustainable Development of Agriculture: Social and Humanitarian Aspects (Venue 11.4)

Conference Hall
(Room 505),
75 Lenin Prospekt

Supervisor: **O. I. Khalupo**, Doctor of Sciences (Philosophy), Professor
Secretary: **T. A. Ponomareva**

Keynote reports:

1. **O. E. Akulich (South Ural State Agrarian University).** Studying Mathematical Disciplines in the Context of the Education Digitalization
2. **N. A. Alieva (Tashkent State Agrarian University, Uzbekistan).** Innovative Processes Management in Silkworm Breeding in the Republic of Uzbekistan
3. **A. M. Vitt (South Ural State Agrarian University).** The Role of Motivation in Student Training in the Context of the Distance Education
4. **I. A. Zubareva (South Ural State Agrarian University).** Digital Transformation in the Agro-industrial Complex
5. **I. N. Perchatkina, U. V. Zhivulko, N. S. Nizamutdinova (South Ural State Agrarian University).** Developing the Prices for Veterinary Services
6. **E. E. Nagornykh, S. A. Poguliaeva (South Ural State Agrarian University).** L.N. Tolstoy: Invitation to Reflection
7. **N. A. Rigina, T. A. Ponomareva (South Ural State Agrarian University).** Methods of Organizing the Solidification of Materials on Grammar when Learning a Foreign Language at a Technical University

10.00 – 12.00 Exhibition. Innovations for the Sustainable Development of Agriculture (Venue 11.5)

Organizers: **A. A. Belookov**, Doctor of Sciences (Agriculture), Associate Professor, **O. S. Volkova**

Lobby
(Room 505),
75 Lenin Prospekt

12.00 – 17.00 Student research works contest. Food Security: Regional, National and Global Strategies (Venue 11.6)

Organizers: **M. V. Eliseenkova**, Candidate of Sciences (Biology), Associate Professor, **E. Yu. Matveeva**, Candidate of Sciences (Biology), Associate Professor, **D. B. Vlasov**, Candidate of Sciences (Engineering)

75 Lenin
Prospekt,
Chelyabinsk;
13 Gagarina
Street, Troitsk,
Chelyabinsk
Region

April 8, 2022**11.00 – 12.00 Round table. Sustainable Development of Modern Agro-industrial Complexes (Venue 11.7)**

Moderator: **N. S. Nizamutdinova**, Candidate of Sciences (Economics), Associate Professor, Vice-Rector for Research and Innovations

Conference Hall
(Room 505),
75 Lenin Prospekt

Questions for discussion:

- Innovative Technologies in the Agro-industrial Complex as a Source of Economic Development
- Rational Use of Natural and Man-made Resources
- The Problems and Prospects of Intensive Livestock Farming Development in the Modern Conditions
- Relevant Social and Economic Conditions for the Development of Agriculture

The following people are invited to participate: D. N. Akabirova (Tashkent State Agrarian University, Uzbekistan), A. R. Anorbaev (Plant Protection Scientific and Research Institute, Uzbekistan), A. Kh. Rakhmonov (Tashkent State Agrarian University, Uzbekistan), I. A. Tautenov, L. A. Tokhetova (Korkyt Ata University, Republic of Kazakhstan), T. N. Khalmuradov, M. A. Allanazarov (Tashkent State Agrarian University, Uzbekistan), K. Yu. Shcherbak (Polotsk State University, Republic of Belarus), N. D. Yantsov, A. G. Vabishchevich, G. I. Koshlya, E. V. Gvozdantov (Belarusian State Agrarian Technical University, Republic of Belarus), South Ural State Agrarian University: E. M. Basarygina, O. S. Batraeva, A. A. Belookov, A. M. Gertman, A. V. Gritsenko, S. A. Gritsenko, M. A. Derkho, U. V. Zhivulko, N. A. Zhuravel, V. S. Zybalov, S. M. Krasnozhon, R. M. Latypov, Yu. V. Matrosova, A. V. Miftakhutdinov, L. Yu. Ovchinnikova, V. M. Popov, A. V. Starunov, N. P. Tropnikova, O. I. Khalupo, I. B. Tsarev, and other registered participants

12.00 – 13.00 Summarizing the results. Report by the venue supervisor (Venue 11.8)

Supervisor: **N. S. Nizamutdinova**, Candidate of Sciences (Economics), Associate Professor, Vice-Rector for Research and Innovations of South Ural State Agrarian University

Conference Hall
(Room 505),
75 Lenin Prospekt