



# Enhancement of Postgraduate Studies on Sustainable Agriculture and Future Farming Systems

Supported by the Education, Audiovisual and Culture Agency (EACEA), which is entrusted with the implementation of programmes and activities on behalf of the European Commission

# SAGRIS Modules and Experts



Co-funded by the  
Erasmus+ Programme  
of the European Union



The project is being implemented under the Erasmus + program and funded by the European Commission. The content of this strategy is the responsibility of the authors and does not reflect the views of the European Commission.



## About Erasmus+ SAGRIS

The project aims to enhance training of postgraduate and doctoral students in accordance with international quality standards, and also endeavours to provide fundamentally new knowledge used in making effective decisions on solving issues and tasks of sustainable agriculture and future farming systems – topics of national and international importance.

Landscapes and economies of Russia and Kazakhstan are characterized with large agricultural areas. Policy of both countries see innovative development of agrarian sector as one of priority directions. Along with all the measures taken, there is lacking of skilled labour and innovation potential. Initiatives on capacity-building of human resources in all levels (farm workers, specialists, managers), as well as on enhancement of higher education institutions (HEIs) activities, became the answer on existing shortcomings. Despite the progress in joining the Bologna process and its implementation in HEIs, “brain drain” of young talents and deficient and outdated educational offers for postgraduate and doctoral studies impede competitiveness of HEIs on international level. The consortium of 5 scientific-educational institutions of Europe, 4 Russian HEIs and 4 Kazakh HEIs with consultative and expert support of accredited agencies, leading scientific organizations and expert-practitioners from Russia and Kazakhstan therefore specified the following objectives:

- (1) to develop and establish 4 modules for postgraduate/doctoral studies at 8 HEIs in different regions of Russian and Kazakhstan for qualitative training of postgraduate/doctoral students on interdisciplinary contents and approaches relevant for agricultural research and innovation;
- (2) to increase potential of partner HEIs (human resources, literature and equipment) for training on postgraduate/doctoral studies in accordance with international standards and best practices;
- (3) to strengthen international and interregional academic exchange and research cooperation among partner universities;
- (4) to establish cooperation network on postgraduate/doctoral research and education in the field of agriculture, which is focused on exchange of best practices with a wider audience.

In general, the project is aimed at capacity-building of HEIs and enhancement of postgraduate/doctoral studies, as well as scientific researches in the field of sustainable agriculture and future farming systems.



## Project Participants:

### The European Union:

- Nuertingen-Geislingen University (coordinator)
- Warsaw University of Life Sciences
- Czech University of Life Sciences
- German Institute for Tropical and Subtropical agriculture
- Estonian University of Life Sciences

### The Russian Federation:

- Stavropol State Agrarian University
- Novosibirsk State Agrarian University
- Buryat State Academy of Agriculture named after V.R.Philippov
- Arctic State Agrotechnological University

### The Republic of Kazakhstan:

- S.Seifullin Kazakh Agro Technical University
- Kazakh National Agrarian Research University
- Zhangir Khan West Kazakhstan Agrarian-Technical University
- Kostanai Regional University named after A.Baitursynov

### In cooperation with:

- National Centre for Public Accreditation
- Independent Agency for Accreditation and Rating
- National Agrarian Science and Educational Centre
- Russian Academy of Sciences
- Ministry of Agriculture of the Russian Federation
- Ministry of Agriculture of the Republic of Kazakhstan



# Module 1: SMART agriculture and digitalisation



## Module coordinators

- Nuertingen-Geislingen University
- Novosibirsk State Agrarian University
- Kazakh National Agrarian Research University

The module aims at providing theoretical and practical skills in the development and application of resource-efficient approaches on the basis of modern and innovative technologies for the development of sustainable agriculture through building the competencies in the field of professional activity.

The module increases awareness of the potential of **Smart Farming** methods in order to increase resource-efficiency of agricultural production and sustainability of farming systems. PhD students will study the trends of digital technologies in agriculture, Internet of Things, opportunities and effects of their implementation, as well as their capacities and potential for resource saving and sustainable agriculture.

Young researchers will learn how to collect and analyse data in field studies, work with big data, practice agricultural software and get acquainted with the current trends in application of precision technologies in crop and livestock production. PhD-students will become familiar with agricultural robots, telemetry systems, the Internet of Things, and artificial intelligence, and learn how to analyse their cost-effectiveness and assess the impact of automation on sustainable agriculture and resource saving.

## Module subtopics:

- Resource-efficient approaches for sustainable agriculture
- ICT based technologies in agriculture and Smart Farming Tools
- Management information systems
- Precision agriculture (crop farming and livestock breeding)
- Agricultural automation and robotics



## Module 2: Crop and Livestock Systems under Climate Change



### Module coordinators

- Czech University of Life Sciences
- Buryat State Academy of Agriculture named after V.R.Philippov
- Kostanai Regional University named after A.Baitursynov

The aim of the module is to train highly qualified specialists (postgraduate/doctoral students), who will be capable to conduct cutting-edge research on ensuring sustainable food security and agriculture under climate change.

Professional content of the module covers acquisition of agricultural skills for food security and sustainable development under climate change.

Practical content of the module includes the ability to specify and skilfully solve practical and professional issues of crop and livestock systems under climate change.

Interdisciplinary content of the module involves the process of mutual coordination of academic disciplines in the context of united, continuous and comprehensive development in professional activity.

### Module subtopics

- Climate change impact on agricultural production systems
- Climate change effects on food security
- Sustainable resources management (water, ecosystems, land management)
- Environmentally friendly crop production
- Sustainable livestock systems and animal welfare



## Module 3: Advanced Methods of Scientific Working



### Module coordinators

- Warsaw University of Life Sciences
- Stavropol State Agrarian University
- S.Seifullin Kazakh Agro Technical University

The aim of the module is to familiarise postgraduate/doctoral students with the process of development, planning and implementation of advanced scientific-research projects from start to full completion, including forming of proposals, data collection, analysis and result exchange through publications and presentations. Scientists can conceptualise and implement research that meets requirements of general issues of sustainability in agriculture. By promotion of strict scientific practice, they will conduct relevant research in broader debates about sustainability.

Methodological and theoretical content consists of mastering the methods of conducting scientific research, and the planning and management of scientific research. Practical content includes the ability to analyse quantitative and qualitative field data and associated statistical processing, as well as presenting and publicising research results.

General professional/interdisciplinary content: the use of tools from various disciplines for receiving results which can be integrated into the elaboration and enhancement of initial data; ensuring interaction between researchers for results discussion, attraction of representatives of related disciplines; ensuring transference of applied results of interdisciplinary research into practical decision making, presentation of one's own scientific results to the scientific community.

### Module subtopics

- Research data management
- Scientific publishing, incl. methods of literature research
- Advanced statistical methods
- Target group oriented presentations (poster, ppt)
- Writing grant proposals
- Project and time management



## Module 4: Transdisciplinary Research Methods for Sustainable Agriculture



### Module coordinators

- German Institute for Tropical and Subtropical Agriculture
- Zhangir Khan West Kazakhstan Agrarian-Technical University
- Arctic State Agrotechnological University

The aim of the module is to train postgraduate and doctoral students in the development and application of innovative methods for solving complex issues of agricultural and food systems together with stakeholders in the use of transdisciplinary research approaches.

The module expands understanding of how human activities affect ecological, social and economic aspects of sustainability, as well as emphasising the relationship between human activities and the environment. The themes are aimed at achieving a foundation of system thinking and an understanding of situational, specific challenges from different points of view, integration of real issues of agricultural practices and scientific knowledge bases.

Results of the training: gaining the ability to conduct transdisciplinary research for increasing sustainability of agricultural development and food systems; gaining an understanding of the theory and concepts underlying transdisciplinary research, while also learning methods and tools for integration and joint knowledge creation, gaining the ability to select and apply various concepts and methods for planning, implementation and assessment of transdisciplinary research tasks, and making preventive management decisions.

### Module subtopics

- Introduction to the concept of sustainable development in agriculture and food systems
- Systems approaches: conceptual and theoretical foundations of socio-ecological system and human activity systems
- Participatory and qualitative methods of transdisciplinary research





# Nuertingen-Geislingen University, HfWU Nuertingen, Germany



Photo:  
Renner, HfWU

[www.hfwu.de](http://www.hfwu.de)



**Heinrich Schuele, Prof. Dr.**  
Dean of Agricultural Studies,  
Professor for Farm Management, HfWU

### Contact

Faculty of Agriculture, Economics and Management  
and Institute of Applied Agricultural Research

**Tel.:** +49 7022 201 480

**Fax:** +49 7022 201 303

**E-Mail:** heinrich.schuele@hfwu.de

### Role in the project

SAGRIS Scientific Lead

Module 1 “SMART Agriculture and Digitalisation”, Scientific Supervisor

Heinrich Schuele is scientific lead of the SAGRIS project and chair of the project Steering Committee. Together with partners from Novosibirsk State Agrarian University and Kazakh National Agricultural Research University he supervises the elaboration of the SAGRIS Module 1 “SMART Agriculture and Digitalization” and is involved in quality management of elaborated materials and implemented events.

### Area of Expertise

Heinrich Schuele’s activities include teaching agricultural economics and coordination (Dean) of the BSc. programme in agriculture. Research projects for the German Federal Ministry of Agriculture, EU and other donors have for 25 years focussed on cooperation in Eastern Europe and Central Asia in the field of Food and Agricultural Sciences.

### Other Relevant Projects

- Vocational education at Agricultural Colleges in Ukraine. 2017-ongoing. Funded by the German Federal Ministry of Agriculture and Food.
- German Agricultural Centre in Kazakhstan (DAZ). Vocational education and training. 2010-ongoing. Funded by the German Federal Ministry of Agriculture and Food.
- German Agricultural Centre in Ukraine (DAZ). Vocational education and training. 2008-2015. Funded by the German Federal Ministry of Agriculture and Food.

### Relevant Publications

- Lewandowski, I., Clifton-Brown, J., Trindade, L.M. et al., 2016: Progress on Optimizing Miscanthus Biomass Production for the European Bioeconomy: Results of the EU FP7 Project OPTIMISC. *Front. Plant Sci.*7:1620.
- Hastings, A., Mos, M., Yesufu, J.A., McCalmont, J., et al., 2017: Economic and Environmental Assessment of Seed and Rhizome Propagated Miscanthus in the UK. *Front. Plant Sci.* 8:1058.





**Angelika Thomas, Dr.sc.agr.**  
Academic Staff, HfWU

### Contact

Faculty of Agriculture, Economics and Management  
and Institute of Applied Agricultural Research

**Tel.:** +49 7022 201 315

**Fax:** +49 7022 201 303

**E-Mail:** angelika.thomas@hfwu.de

### Role in the project

SAGRIS project coordinator

Module 4 “Transdisciplinary research methods for sustainable agriculture”, Scientific Supervisor

Angelika Thomas is project coordinator and member the project Steering Committee. Together with partners from German Institute for Tropical and Subtropical Agriculture, she supervises the elaboration of the Module 4 “Transdisciplinary research methods for sustainable agriculture”. Being a member of the Quality Management Group Angelika Thomas is also involved in project quality assurance.



### Area of Expertise

Angelika Thomas' background is in education and advisory work in agriculture and she teaches 'knowledge transfer and advisory work' in the master programme 'Sustainable Food and Agricultural Business'. Besides engagement in cooperation project in Eastern Europe, she has 25 years experience in training, facilitation and project work in the field of agriculture and rural development.

### Other Relevant Projects

- Vocational education at Agricultural Colleges in Ukraine. 2017-ongoing. Funded by the German Federal Ministry of Agriculture and Food.
- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Sustainable and Efficient Agriculture in Central, South-Eastern and Eastern Europe. 2011-2014. DAAD

### Relevant Publications

- O.I. Panteleva et al., 2013: Participatory Approach in Rural Development. Series of training manuals "RUDECO Vocational Training in Rural Development and Ecology". 108 p.
- Hoffmann, V.; Thomas, A.; Gerber, A., 2009: Transdisziplinäre Umweltforschung. Methodenhandbuch. 272 S., oekom Verlag München.



**Anna Borsuk, M.Sc.**  
Academic Staff, HfWU

### Contact

Institute of Applied Agricultural Research

**Tel.:** +49 7022 201 326

**Fax:** +49 7022 201 303

**E-Mail:** [anna.borsuk@hfwu.de](mailto:anna.borsuk@hfwu.de)

### Role in the project

SAGRIS project manager, Steering Committee and Quality Management

Anna Borsuk is project manager and member of the project Steering Committee. She is responsible for the overall coordination of project activities, project communication and public relations. Together with project partners from Kazakhstan and Russia, Anna Borsuk leads work packages on Management and Dissemination. Being a member of the Quality Management Group, Anna Borsuk is also involved in project quality assurance processes and procedures.

### Area of Expertise

Background in natural sciences, Master of Science in Environmental Protection and Agricultural Food Production with an emphasis on Environmental Impact. Experience in project acquisition and project management in the field of rural development, ecology, food security and agriculture in transition countries. Acquaintance with the interdisciplinary scope of the project work. Public relations.

### Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with EU and Russian Higher Education partners.
- Erasmus Mundus Action 2 projects with partners from Central Asian countries (CASIA, TIMUR) and Russia (IAMONET-RU). 2014-2017. EU Programme Erasmus Mundus

### Relevant Publications

- Dieterich, M.; Schwerk, et all, 2018: SARUD - a Project for Implementation of Master Studies in Russia and Kazakhstan. Proceedings of the 15th International Conference Efficiency and Responsibility in Education (ERIE). Book Series "Efficiency and Responsibility in Education". 36-44



**Sara Anna Pfaff, M.Sc.**  
Academic Staff, HfWU

### Contact

Institute of Applied Agricultural Research

Tel.: +49 7022 201 415

E-Mail: sara.pfaff@hfwu.de

### Role in the project

Acting SAGRIS project manager, Steering Committee and Quality Management

Sara Pfaff is acting project manager and member of the project Steering Committee. Therefore she is also responsible for the overall coordination of project activities, project communication and public relations. Together with project partners from Kazakhstan and Russia, Sara Pfaff leads work packages on Management and supports project dissemination activities. Being a member of the Quality Management Group, Sara Pfaff is also involved in project quality assurance processes and procedures.

### Area of Expertise

Background in agriculture, Master of Science in 'Sustainable Food and Agricultural Business' with focus on the digitalization in the agriculture during her master thesis. Since 2020, she is a research assistant at HfWU and is working on her doctorate as part of a German agricultural project on digitalization in small-scale agriculture in Baden-Württemberg. The doctoral thesis focuses on the requirements of small-scale agriculture for digitalization and how future support can be provided. Sara Pfaff is also investigating the social consequences of the use of digital technologies for farmers in their everyday work and which digital skills are necessary or already available on the farms. In addition to her work at the university, she works on her partner's farm with dairy farming, arable farming and grassland management.

### Other Relevant Projects

- DiWenkLa (Digital Value Chains for a Sustainable Small-Scale Agriculture), 2020 – ongoing, funded by Federal Ministry of Food and Agriculture (BMEL)

### Relevant Publications

- Sara Pfaff, Michael Paulus (2021): Digitalisierung: Was passiert hier im Ländle?, Transfer-Veröffentlichung in Badischer Landwirtschafts-Verlag GmbH, S.30-31



# Warsaw University of Life Sciences, WULS-SGGW, Warsaw, Poland



Photo by:  
Małgorzata Trzak, WULS-SGGW

[www.sggw.edu.pl](http://www.sggw.edu.pl)



**Axel Schwerk, Prof. Dr.**  
Head of Department of Landscape Art,  
WULS-SGGW

### Contact

Department of Landscape Art at the Institute of Environmental  
Engineering

**Tel.:** +48 22 59 32224

**E-Mail:** axel\_schwerk@sggw.edu.pl

### Role in the project

Module 3 “Advanced Methods of Scientific Working”, Scientific Supervisor



Axel Schwerk is lead of the SAGRIS project at the Warsaw University of Life Sciences and member of the project Steering Committee. He supervises the elaboration of the Module 3 “Advanced Methods of Scientific Working”.

### Area of Expertise

Axel Schwerk is interested in population ecology, succession on degraded areas, landscape ecology and conservation biology. In his research he is using carabid beetles as indicators. He is integrating the results of his studies in concepts of sustainable development.

### Other Relevant Projects

- Project ‘Research on selected insect groups in long-term prognostic areas and assessment and prognosis of the forest endangering state’, DGLP Poland, 2018-2021.
- Project ‘Inventory and determination of the possibilities of reclamation of selected brownfields in Warsaw for the purpose of their use in the system of urban green areas’, City of Warsaw, 2017-2019.
- EU ERASMUS+ Project ‘Sustainable Agriculture and Rural Development’ (SARUD), EU project, 2015-2018.

### Relevant Publications

- Sikorski, P., Gawryszewska, B., Sikorska, D., Chormański, J., Schwerk, A., Jójczyk, A., Ciężkowski, W., Archiciński, P., Łepkowski, M., Dymitryszyn, I., Przybysz, A., Wińska-Krysiak, M., Zajdel, B., Matusiak, J. & Łaszkiwicz, E. (2021): The value of doing nothing – how informal green spaces can provide comparable ecosystem services to cultivated urban parks. *Ecosystem Services* 50, 101339.
- Schwerk, A., Klich, D., Wójtowicz, E & Olech, W. (2021): Impact of European bison grazing (Bison bonasus (L.)) on species and functional traits of carabid beetle assemblages in selected habitats in Poland. *Biology* 10, 123.



**Izabela Dymitryszyn, Dr.**  
Academic Staff, WULS-SGGW

### Contact

Department of Landscape Art at the Institute of  
Environmental Engineering

**Tel.:** +48 22 59 32221

**E-Mail:** [izabela\\_dymitryszyn@sggw.edu.pl](mailto:izabela_dymitryszyn@sggw.edu.pl)

### Role in the project

Module 3 “Advanced Methods of Scientific Working”, module developer



Izabela Dymitryszyn is member of the EU project partner Warsaw University of Life Sciences and provides with scientific input to the project, especially with respect to the module 3 “Advanced Methods of Scientific Working”.

### Area of Expertise

Izabela Dymitryszyn is interested in forming of the landscape aimed at sustainable development. Her research is directed towards the impact of different forms of land use and infrastructure on biodiversity conservation as well as links between cultural and natural resources in the landscape. In her research she is using plants and carabid beetles as indicators.

### Other Relevant Projects

- Project ‘Research on selected insect groups in long-term prognostic areas and assessment and prognosis of the forest endangering state’, DGLP Poland, 2018-2021.
- Project ‘Inventory and determination of the possibilities of reclamation of selected brownfields in Warsaw for the purpose of their use in the system of urban green areas’, City of Warsaw, 2017-2019.
- EU ERASMUS+ Project ‘Sustainable Agriculture and Rural Development’ (SARUD), EU project, 2015-2018.

### Relevant Publications

- Sikorski, P., Gawryszewska, B., Sikorska, D., Chormański, J., Schwerk, A., Joczzyk, A., Ciężkowski, W., Archiciński, P., Łepkowski, M., Dymitryszyn, I., Przybysz, A., Wińska-Krysiak, M., Zajdel, B., Matusiak, J. & Łaskiewicz, E. (2021): The value of doing nothing – how informal green spaces can provide comparable ecosystem services to cultivated urban parks. *Ecosystem Services* 50, 101339.
- Dieterich, M.; Schwerk, et al, 2018: SARUD - a Project for Implementation of Master Studies in Russia and Kazakhstan. Proceedings of the 15th International Conference Efficiency and Responsibility in Education (ERIE). Book Series “Efficiency and Responsibility in Education”. 36-44





**Krzysztof Klimaszewski, Dr.**  
Academic Staff, WULS-SGGW

### Contact

Institute of Animal Sciences

Tel.: +48 22 59 36611

E-Mail: krzysztof\_klimaszewski@sggw.edu.pl



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, module developer

Krzysztof Klimaszewski is member of the EU project partner Warsaw University of Life Sciences and provides scientific input to the project, especially with respect to the module 2 “Crop and Livestock Systems under Climate Change”.

### Area of Expertise

His scientific and didactic work is devoted to wild animals (mainly herpetofauna) and nature conservation, as well as human impact on nature. He participated in many international exchange programmes for both teaching and research. Under Erasmus+ programme he works with international groups of students at WULS and also visited India, Thailand and Indonesia, delivering lectures and seminars.

### Other Relevant Projects

- COST Action: CA18221 - Pesticide Risk Assessment for Amphibians and Reptiles.
- LIFE19 NAT/PL/000746 Kampinos WetLIFE “Protection and restoration of wetlands in “Puszcza Kampinoska” Natura 2000 site.

### Relevant Publications

- Bęlcik M., Klimaszewski K., Pełnia-Iwanicka E., Zajchowska J. 2019. Testing the habitat suitability index for great crested newt in Central Poland. Ecological Research; 1–7. <https://doi.org/10.1111/1440-1703.12051>.
- Gajewska K., Kaczmarek-Okrój M., Wojciechowska M., Olech W., Klimaszewski K. 2017. How to teach that a roe deer is not a wife of a red deer? Studia i Materiały CEPL w Rogowie R. 19. Zeszyt 50/1.



**Agata Jójczyk, MSc.**  
Academic Staff,  
Warsaw University of Life Sciences

### Contact

Department of Landscape Art at the Institute of Environmental  
Engineering

**Tel.:** +48 22 59 32229

**E-Mail:** [agata\\_jojczyk@sggw.edu.pl](mailto:agata_jojczyk@sggw.edu.pl)

## Role in the project

Module 3 “Advanced Methods of Scientific Working”, module developer



Agata Jójczyk is a member of the EU project partner Warsaw University of Life Sciences and provides scientific input to the project, especially with respect to the module 3 “Advanced Methods of Scientific Working”.

## Area of Expertise

Agata Jójczyk is interested in research on Hymenoptera and factors determining the abundance of Hymenoptera species in the environment. Her PhD thesis focuses on the study of factors accelerating the oviposition of artificially inseminated Carniolan honey bees. Recently, she started to focus on biodiversity conservation as an element of sustainable development.

## Other Relevant Projects

- Project ‘Research on selected insect groups in long-term prognostic areas and assessment and prognosis of the forest endangering state’, DGLP Poland, 2018-2021.
- Project ‘Inventory and determination of the possibilities of reclamation of selected brownfields in Warsaw for the purpose of their use in the system of urban green areas’, City of Warsaw, 2017-2019.
- EU ERASMUS+ Project ‘Sustainable Agriculture and Rural Development’ (SARUD), EU project, 2015-2018.

## Relevant Publications

- Sikorski, P., Gawryszewska, B., Sikorska, D., Chormański, J., Schwerk, A., Jójczyk, A., Ciężkowski, W., Archiciński, P., Łepkowski, M., Dymitryszyn, I., Przybysz, A., Wińska-Krysiak, M., Zajdel, B., Matusiak, J. & Łaszkiwicz, E. (2021): The value of doing nothing – how informal green spaces can provide comparable ecosystem services to cultivated urban parks. *Ecosystem Services* 50, 101339.
- Zajdel, B., Borański, M., Kucharska, K., Jójczyk, A. & Brzezińska, K. (2019): Bumblebee communities (Apidae, Bombini) in urban parks in relation to park area and other characteristics. *Pol. J. Ecol.* 67, 84-93.



# Czech University of Life Sciences Prague, CZU Prague, Czechia



Photo by:  
Petr Zmek, CZU

[WWW.CZU.CZ](http://WWW.CZU.CZ)



**Michal Lošťák, Prof. Ph.D**  
First Vice-Rector, Academic Staff, CZU  
(CULS)

### Contact

Faculty of Economics and Management

Tel.: +420 22438 2311

E-Mail: [lostak@pef.czu.cz](mailto:lostak@pef.czu.cz)



## Role in the project

Module 2 “Crop and livestock systems under climate change”, Scientific advisor

Michal Lošťák is a member of SAGRIS project steering committee. He supervises, consults and advises the activities done by the team involved in Module 2 focusing on Crop and livestock systems under climate change. He closely cooperates with module leaders from Buryat State Academy of Agriculture and Kostanay Regional University and also shares his expertise with other module developers in the project.

## Area of Expertise

As a professor in management with a Ph.D. in sociology, the main research interests target socioeconomic issues of rural development, food and agriculture. The research is underpinned by questions of transition towards sustainability in the contemporary world. Teaching concentrates on rural and regional development and sociology. Recent supervised Ph.D. works were about social construction of wine quality in projection to rural development or social innovations in rural regions.

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD) ). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Master of Sciences in Sustainable Food Production Systems (STEPS). 2019-2022. EU Erasmus+ CBHE project with partners from EU, Albania, Bosnia and Herzegovina and Kosovo
- Mountain valorization through interconnectedness and green growth (MOVING). 2020-2024. H2020 Research and innovation action

## Relevant Publications

- Zagata, L., Lošťák, M., Swain, N. 2019. Family Farm Succession of the First Post-Socialist Generation in the Czech Republic. *Eastern European Countryside* 25: 9-35.
- Zagata, L., Hrabák, J., Lošťák, M. 2020. Post-socialist transition as a driving force of the sustainable agriculture: A case study from the Czech Republic. *Agroecology and Sustainable Food Systems* 44 (2): 238-257.
- Zagata, L., Sutherland, L-A., Hrabak, J., Lostak, M. 2020. Mobilising the Past: Towards a Conceptualisation of Retro-Innovation. *Sociologia Ruralis* 60 (3): 639-660.



**Markéta Sedmíková, Prof. Ph.D**  
Vice-Dean, Academic Staff, CZU (CULS)

### Contact

Faculty of Agrobiolgy, Food and Natural Resources

Tel.: +420 22438 2933

E-Mail: sedmikova@af.czu.cz



## Role in the project

Module 2 “Crop and livestock systems under climate change”, Scientific advisor

Markéta Sedmíková consults and supervises the activities implemented by the team working in Module 2 targeting named Crop and livestock systems under climate change. She co-created module descriptions, delivers lectures for Block Seminars. Her main activities in the project are related to the area of animal sciences and climate change.

## Area of Expertise

As a professor in anatomy, physiology and reproduction of farm animals she deals with gamete biology of farm animals, particularly with the regulation of oocyte maturation, spermatozoa capacitation, activation, fertilization, and aging of porcine oocytes. She is interested in the role of gasotransmitters (nitric oxide, hydrogen sulphide and carbon monoxide) in these processes. Presently supervised Ph.D. students work on modulation of oxidative stress in boar spermatozoa by hydrogen sulphide and function of sperm surface proteins in fertilization.

## Other Relevant Projects

- Innovation of biotechnology in reproduction of farm animals. 2015 – 2018. National Agency for Agricultural Research (NAZV).
- Alternative boar ejaculate diluent additives such as replacement of antibiotics. 2021 – 2024. (NAZV)

## Relevant Publications

- Nemecek D., Chmelíková E., Petr J., Kott T., Sedmíková M. 2021. The effect of carbon monoxide on meiotic maturation of porcine oocytes. PEERJ, 9, e10636
- Tumova L., Zigo M., Sutovsky P., Sedmíková M., Postlerova P. 2020. The Ubiquitin-Proteasome System Does Not Regulate the Degradation of Porcine beta-Microseminoprotein during Sperm Capacitation. International Journal of Molecular Sciences, 21 (11): 41-51.
- Pintus E., Kadlec M., Jovicic M., Sedmíková M., Ros-Santaella J. L. 2018. Aminoguanidine protects boar spermatozoa against the deleterious effects of oxidative stress. Pharmaceutics 10 (4): 1-14.



**Pavel Tlustoš, Prof. Ph.D**  
Vice-Dean, Academic Staff, CZU  
(CULS)

### Contact

Faculty of Agrobiology, Food and Natural Resources

Tel.: +420 22438 2733

E-Mail: [tlustos@af.czu.cz](mailto:tlustos@af.czu.cz)



## Role in the project

Module 2 “Crop and livestock systems under climate change”, Scientific advisor

Pavel Tlustoš consults and supervises the activities implemented by the team working on Module 2. Because the module addresses crop and livestock systems under climate change he supervises the issues related to soil because it is needed for both crop and livestock systems. He commented on module descriptions and delivers lectures for Block Seminars.

## Area of Expertise

He is a Professor in Agroenvironmental Chemistry and Plant Nutrition with major research activities targeting the soil – plant relationships of nutrients, and toxic compounds, behaviour of nutrients, toxic elements in soils and in the rhizosphere. and phytoremediation and bioremediation of soils and sludges contaminated by risk elements, persistent organic pollutants, pharmaceuticals, and personal care products. These are the areas of his Ph.D student research as well. His teaching is focused on nutrition of horticultural plants, agricultural use of waste, and remediation of contaminated sites.

## Other Relevant Projects

- Resource preservation by application of bioeffectors in European crop production, (BIOFECTOR), 2012-2017, 7FP EU project
- Biochar: the valorisation of solid wastes and improvement of soil properties, 2019-2021, Czech Science Foundation project
- Two-stage treatment of digestate liquor enabling rational use of nutrients and water, 2017 – 2021 National Agency for Agricultural Research project

## Relevant Publications

- Mercl, F., Košnář, Z., Maršík, P., Vojtíšek, M., Dušek, J., Száková, J., Tlustoš, P. 2021. Pyrolysis of biosolids as an effective tool to reduce the uptake of pharmaceuticals by plants. *Journal of Hazardous Materials*, 405: 124-278.
- Garcia Sanchez, M., Košnář, Z., Mercl, F., Aranda, E., Tlustos, P. 2018. A comparative study to evaluate natural attenuation, mycoaugmentation, phytoremediation, and microbial-assisted phytoremediation strategies for the bioremediation of an aged PAH-polluted soil. *Ecotoxicology and Environmental Safety*, 147 (1): 165-174.



**Josef Hák, Assoc. Prof. Ph.D.**  
Member of Faculty Academic senate,  
Academic Staff, CZU (CULS)

### Contact

Faculty of Agrobiolgy, Food and Natural Resources

Tel.: +420 22438 3038

E-Mail: [hakl@af.czu.cz](mailto:hakl@af.czu.cz)



## Role in the project

Module 2 “Crop and livestock systems under climate change”, Scientific advisor

Josef Hák provides consultation and advice to the team working on Module 2: crop and livestock systems under climate change. His main area of expertise in the project is crop science and climate change. He commented on module descriptions and provides lectures for Block Seminars and co-organises study visits to Czechia.

## Area of Expertise

As associated professor in crop science, his main research interest focusses on agronomy of forage crops in association with their nutritional value for animals. The research and teaching highlight the question of sustainable intensification of crop production. Recent supervised Ph.D. theses are related to improvement of forage nitrogen utilization by ruminants, effects of long-term fertilization management on forage production, biological control of root diseases and stimulation of root development of forage legumes

## Other Relevant Projects

- Dairy Research Cluster 3. 2018 – 2022. Increasing the production and utilization of alfalfa forages in Canada.
- H2020 EU EJP SOIL. 2021 – 2023. Optimizing roots for sustainable crop production in Europe.
- LIFE10 ENV/CZ/000649 - ReStEP – Regional Sustainable Energy Policy. 2011 – 2014. Programme LIFE+

## Relevant Publications

- Hák J., Mofidian A., Kozová, Z., Fuksa P, Šantrůček J. 2019. Estimation of lucerne yield stability for enabling effective cultivar selection under rainfed conditions. *Grass and Forage Science*. 74, 687–695.
- Písařík M., Hák J., Hrevušová Z. 2020. Effect of *Pythium oligandrum* and poly-beta-hydroxy butyric acid application on root growth, forage yield and root diseases of red clover under field conditions. *Crop Protection*, 127, 104968
- Hák J., Kunzová E., Tocauerová Š., Menšík L., Pozdíšek J. 2021. Impact of long-term manure and mineral fertilization on yield and nutritive value of lucerne (*Medicago sativa* L.) in relation to changes in canopy structure. *European Journal of Agronomy*, 123, 126219..



**Jakub Husák, Assoc. Prof. Ph.D.**  
Academic staff, CZU (CULS)

### Contact

Faculty of Economics and Management

Tel.: +420 22438 2190.

E-Mail: husak@pef.czu.cz



## Role in the project

Module 2 “Crop and livestock systems under climate change”, Scientific advisor

Jakub Husak contributes to the administration of the projects in the Czech University of Life Sciences. He coordinates activities implemented by the staff of CZU involved in the project. In Module 2 “crop and livestock systems under climate change”. He provides advice when social or economic dimension in this module is addressed and co-organises the study trip to Czechia.

## Area of Expertise

He is associate professor in regional development with a main research interest in knowledge upscaling in rural areas (education and extension in the countryside). Since he was appointed as an associate professor in 2021, he is not supervising Ph.D. students yet because of the regulation at the faculty

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD) ). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Master of Sciences in Sustainable Food Production Systems (STEPS). 2019-2022. EU Erasmus+ CBHE project with partners from EU, Albania, Bosnia and Herzegovina and Kosovo
- Mountain valorization through interconnectedness and green growth (MOVING). 2020-2024. H2020 Research and innovation action

## Relevant Publications

- Husák, J., Hudečková, H. Kučerová, E., 2019: Potential of Rural Areas for Implementation of Social Inclusive Activities. *Sociologia*, 51 (2), pp. 115-136.
- Husák, J., Hudečková, H., 2018: Utilisation of the natural potential of rural areas for social inclusion. *Agricultural Economics – Czech*, 64 (4), pp. 149-162, doi: 10.17221/13/2016-AGRICECON
- Home, R., Gerrard, C., Hempel, C., Lošťák, M., Vieweger, A., Husák, J., Stolze, M., Hamm, U., Padel, S., Willer, H., Vairo, D. Zanolì, R., 2017: The quality of organic market data: providing data that is both fit for use and convenient. *Organic Agriculture*, 7 (2), pp. 141-152. doi: 10.1007/s13165-016-0147-5





# German Institute for Tropical and Subtropical Agriculture, (DITSL) Witzenhausen, Germany



Photo by:  
Brigitte Kaufmann, DITSL

[www.ditsl.org](http://www.ditsl.org)



**Brigitte Kaufmann, Prof. Dr.**  
Director research, DITSL

### Contact

Transdisciplinary and Social-ecological Research

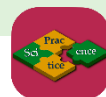
**Tel.:** +49 5542 60719

**Fax:** + 49 5542 60730

**E-Mail:** b.kaufman@ditsl.org

### Role in the project

SAGRIS all project lead for Module 4 “Transdisciplinary research methods for sustainable agriculture”, Scientific supervisor



Brigitte Kaufmann is project coordinator and member the project Steering Committee. Together with Angelika Thomas from Nuertingen-Geislingen University she supervises the elaboration of Module 4. Together with partners from Kazakh National Agrarian University and Stavropol State Agrarian University she is leading WP4: Network on doctoral education and public conferences.

### Area of Expertise

Brigitte Kaufmann is a professor of “Social-ecology of tropical and subtropical land-use systems” at the University of Hohenheim. She focusses on transdisciplinary research in areas of resource management, value chains, food systems and adaptation to climate change. She trains PhD and MSc students in knowledge analysis, collaborative learning, multi-stakeholder processes and innovation systems.

### Other Relevant Projects

- Coordinator of the transdisciplinary project “NaviNut - Enhancing Women’s Agency in Navigating Changing Food Environments to Improve Child Nutrition in African Drylands” 2020-2023, BMEL.
- Project leader “Transdisciplinary research: Knowledge, collaborative learning and action” in the GlobE Project ReLOAD: Reduction of Post Harvest Losses and Value Addition in East African Food Value Chains. 2013-2018, BMBF

### Relevant Publications

- Christinck A, Kaufmann B, 2018: Facilitating change – methodologies for collaborative learning with stakeholders. Pp. 171-190. In: Padmanabhan M. (ed.). Transdisciplinary Research and Sustainability: Collaboration, Innovation and Transformation. Routledge, Abingdon/New York.
- Kaufmann, B., H. Arpke, and A. Christinck 2013. From assessing knowledge to joint learning. In: A. Christinck and M. Padmanabhan (eds.): Cultivate Diversity! A handbook on transdisciplinary approaches to agrobiodiversity research. Margraf Publishers, Scientific Books, Weikersheim, Germany pp 115 - 141



**Margareta A. Lelea, Dr.**  
Senior Scientist, DITSL

### Contact

Transdisciplinary and Social-ecological Research

**Tel.:** +49 5542 60718

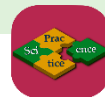
**Fax:** + 49 5542 60730

**E-Mail:** m.a.lelea@ditsl.org

### Role in the project

Module 3 “Advanced Methods of Scientific Working”, module developer

Margareta Lelea provides scientific input to the project, especially with respect to module 3 “Advanced Methods of Scientific Working” and module 4: Transdisciplinary research methods for sustainable agriculture.



### Area of Expertise

Margareta Lelea is a human geographer focused on gender, livelihoods, and agriculture, She engages in action research methodologies as part of a transdisciplinary approach to cultivate increased collaboration between diverse stakeholders whose activities make up food chains; from growing food to eating food.

### Other Relevant Projects

- PostDoc in “Transdisciplinary research: Knowledge, collaborative learning and action” in the GlobE Project ReLOAD: Reduction of Post Harvest Losses and Value Addition in East African Food Value Chains. 2013-2018, BMBF
- Project lead of “Development of innovative capacity building strategies to support women’s group processing businesses” within Upgrade Plus Decentralized postharvest processing of underutilized species for improved food and nutrition security in West Africa, 2018-2021, BMEL

### Relevant Publications

- Restrepo, M.J., Lelea, M.A., Kaufmann, B.A., 2020. Assessing the quality of collaboration in transdisciplinary sustainability research: Farmers’ enthusiasm to work together for the reduction of postharvest dairy losses in Kenya. *Environmental Science & Policy* 105: 1-10
- Tröger, K., Lelea, M. A., Hensel, O. and Kaufman, B. 2020. Re-framing post-harvest losses through a situated analysis of the pineapple value chain in Uganda. *Geoforum*, 111, pp. 48-61



**Lilian Beck, M.Sc.**  
Research associate, DITSL

### Contact

Transdisciplinary and Social-ecological Research

**Tel.:** +49 5542 60724

**Fax:** + 49 5542 60730

**E-Mail:** lilian.beck@ditsl.org



## Role in the project

Module 4 “Transdisciplinary research methods for sustainable agriculture, module developer

Lilian Beck provides assistance and methodological input in the elaboration of the Module 4 “Transdisciplinary research methods for sustainable agriculture”.

## Area of Expertise

Lilian Beck completed her MSc in Agroecology at the Swedish University of Agriculture and studied Cultural Anthropology, Sciences of Education and Ethics. She is experienced in education, consultancy and facilitation of agroecological projects applying the farmer first approach, transdisciplinary action research, and participatory video making.

## Other Relevant Projects

- Engineering Sciences in Sub-Saharan Africa Knowledge for Tomorrow – Cooperative Research Projects in Sub-Saharan Africa. 2019-2022. Volkswagen Stiftung and University of Kassel.
- Life and Nature - Strengthening the adaptive capacity and resilience of rural communities using micro-watershed approaches to climate change and variability to attain sustainable food security in Cambodia. 2019-2020. Food and Agricultural Organization of United Nations (FAO).
- Hands and Minds Connected to Boost Eco-efficiency on Smallholder Livestock-Crop Systems. 2017-2019. International Centre of Tropical Agriculture (CIAT) funded by GIZ/BMZ.

## Relevant Publications

- Beck, L. and Molyneux, N. (2020) Climate-smart agriculture for rice production in Cambodia: TOT Curriculum Guidebook, Phnom Penh, FAO.
- Beck, L. and Molyneux, N. (2020) Curriculum on agroforestry, Phnom Penh, FAO.
- Beck, L.(2019) Investigating discouraging and encouraging emic reasons to apply eco- efficient farming methods, Swedish University of Agricultural Sciences.



**Joana Albrecht, M.Sc.**  
Research associate, DITSL

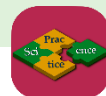
### Contact

Transdisciplinary and Social-ecological Research

**Tel.:** +49 5542 60724

**Fax:** + 49 5542 60730

**E-Mail:** [j.albrecht@ditls.org](mailto:j.albrecht@ditls.org)



### Role in the project

Module 4 “Transdisciplinary research methods for sustainable agriculture, module developer

Joana Albrecht provides assistance and methodological input in the elaboration of Module 4 “Transdisciplinary research methods for sustainable agriculture”.

### Area of Expertise

Joana Albrecht studied “Organic Agricultural Sciences” (BSc) at the University of Kassel in Witzenhausen and finished her MSc “International Area Studies” at the Martin-Luther-University in Halle/Saale in March 2017. Her main interest is in transdisciplinary research and collaborative learning especially in small-scale low input systems.

### Other Relevant Projects

- Engineering Sciences in Sub-Saharan Africa Knowledge for Tomorrow – Cooperative Research Projects in Sub-Saharan Africa. / Postdoctoral Fellowships for African Researchers in the Engineering Sciences. 2019-2022. Volkswagen Stiftung and University of Kassel.
- Post graduate in “Transdisciplinary research: Knowledge, collaborative learning and action” in the GlobE Project ReLOAD: Reduction of Post Harvest Losses and Value Addition in East African Food Value Chains. 2013-2018, BMBF

### Relevant Publications

- Albrecht, J. 2017. Facilitating stakeholder processes for improved collaboration in the small-scale dairy sector in Nakuru County, Kenya. Master’s thesis for International Area Studies, Martin Luther University, Halle-Wittenberg.



# Estonian University of Life Sciences, EMU Tartu, Estonia



Photo by:  
EMU

[www.emu.ee](http://www.emu.ee)



**Roger Evans, PhD**  
Senior Specialist, EMU

### Contact

Institute of Agricultural and Environmental Sciences

**E-Mail:** roger.evans@emu.ee

## Role in the project

Steering Committee, Work Package 5: “Quality plan” Lead

Roger Evans leads the project team for WP5 Quality Control and is a member of the project Steering Committee. He is responsible for the overall coordination of QA activities including project quality assurance processes and procedures and communications with the wider project team.

## Area of Expertise

Roger Evans is a Nature Based Tourism, Senior Specialist teaching and developing projects at the University of Life Sciences in Estonia. He is experienced in project internal and external evaluation, product and service development in social entrepreneurship, rural tourism, food & activity tourism, rural community and rural business enterprise development.

He holds a PhD in Agriculture and worked for the Scottish Agricultural College as a senior lecturer, trainer and consultant for 25 years.

## Other Relevant Projects

- Project Leader for RuralCOM the ERASMUS + Joint Master's Curriculum in Rural Community Development Project to create a Master programme in Rural Community Development, a MOOC and adult learning materials.
- External evaluator for EU Project, REHAC: Re-inventing Europeans through History, Art and Cultural Learning.
- External evaluator for EU Project, INVOLEN: promoting intergenerational learning through game-based learning, targeting nature conservation volunteers

## Relevant Publications

- Evans, R et al, 2021: Social Enterprises in the Rural Areas: A Comparative Study of the Baltic States. In: Social Enterprise in Central and Eastern Europe: Theory, Models and Practice. eds Defourny, J; Nyssens, M. New York: Routledge, pp. 252-273



**Piia Jaksi, M.Sc.**  
PhD student, EMU

### Contact

Institute of Agricultural and Environmental  
Sciences

**E-Mail:** piia.jaksi@emu.ee

### Role in the project

Work Package 5: “Quality Plan”, developer

Project management. Responsibility for preparation and analysis of evaluation questionnaires in WP5-Quality Control, presentation of reports to Steering Committee, managing external contracts and evaluation of all the intellectual outcomes.

### Area of Expertise

Master's degree in Fisheries and Applied Ecology, currently a PhD student in Environmental Sciences and Applied Biology. Lecturer in student responsibility and motivational skills in their university studies.





# Stavropol State Agrarian University, SSAU Stavropol, Russia



[www.stgau.ru](http://www.stgau.ru)



**Aleksandr Essaulko, Professor, Doctor  
of Agricultural Sciences**  
Dean of the Faculty of Agrobiology and  
Land Resources, SSAU

### Contact

Faculty of Agrobiology and Land Resources

**Tel.:** +7 962 400 41 95

**Fax:** + 7(8652) 35-64-50

**E-Mail:** aessaulko@mail.ru



### Role in the project

Local Scientific Head of the SAGRIS project, member of the Steering Committee.  
Module 2 “Crop and Livestock Systems under Climate Change”, Scientific Lead

Aleksandr Esaulko is the lead for Module 2: “Crop and Livestock Systems under Climate Change” and responsible for general coordination of project activities, communication and dissemination. Together with project partners from Kazakhstan and Russian, Aleksandr Esaulko is a member of university network group.

### Area of Expertise

Alexander Esaulko, Professor of the Russian Academy of Sciences, carries out teaching activities in the following disciplines: Agrochemistry, Agrochemical examination and monitoring of soil fertility, Modern problems in agrochemistry, experimental agrochemistry.

### Other Relevant Projects

- TEMPUS 159311- TEMPUS-1-2009-IT-JPCR «Network for Master Training in Technologies of Water Resources Management – “NET WATTER”.
- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with EU and Russian Higher Education partners.

### Relevant Publications

- Methodology of forecasting and planning of environmental protection activities in rural areas, // A. Esaulko, I. Lysenko, S. Serikov, etc. / Agricultural Bulletin of the Stavropol Territory, Stavropol - 2014, No. S1, pp. 112. - 115.
- The influence of fertilizer systems on the content of various forms of potassium and nutrition mode of humus / A.N. Esaulko, Y.I. Grechishkina, M.S. Sigida, S.A. Korostilev, E.V. Golosnoi, // Oriental Journal of Chemistry 2016. No. 32(6). pp. 3189-3199.



**Olga Vlasova, Professor, Doctor of  
Agricultural Sciences**  
Head of the Department, SSAU

### Contact

Department of General Agriculture, Crop Production and Seed Breeding  
named after Professor F.I. Bobryshev

**Tel.:** +7 (8652) 35-64-50

**Fax:** +7 (8652) 35-64-50

**E-Mail:** [olastgau@mail.ru](mailto:olastgau@mail.ru)

### Role in the project

Module 1 «SMART Agriculture and Digitalization», developer

Olga Vlasova is the scientific lead of subtopic 1 "Resource-efficient approaches for sustainable agriculture" Module 1. Together with partners from the University of Nürtingen-Geislingen - (HFWU), Novosibirsk (NSU) and Kazakh National Agrarian University (KazNAU), she participates in the development of the curriculum, materials for lectures and practical classes, and also participates in the implementation of all planned activities.



### Area of Expertise

Olga Vlasova carries out teaching activities in the following disciplines: organic agriculture, resource-saving technologies of cultivation of agricultural crops, cultures, modern problems of agronomy. Research areas: biological agriculture, organic farming, resource conservation in agriculture

### Other Relevant Projects

- TEMPUS 159311- TEMPUS-1-2009-IT-JPCR «Network for Master Training in Technologies of Water Resources Management – “NET WATTER”.
- Development of a biological protection system for winter wheat from a complex of pests. 2019-ongoing. Funded by the Ministry of Agriculture of the Russian Federation.
- Development of resource-saving technologies for the cultivation of winter wheat in the soil and climatic zones of the Stavropol Territory. 2013-ongoing. Funded by the Ministry of Agriculture of the Stavropol Territory.

### Relevant Publications

- Trubacheva L.V., Vlasova O.I., Drepa E.B., Loshakov A.V. (2021) The Ameliorative Role of Forest Strips in Crop Yield Conservation. In: Bogoviz A.V. (eds) The Challenge of Sustainability in Agricultural Systems. Lecture Notes in Networks and Systems, vol 206. Springer, Cham. [https://doi.org/10.1007/978-3-030-72110-7\\_106](https://doi.org/10.1007/978-3-030-72110-7_106)
- Vlasova O.I., Smakuev A.D., Perederieva V.M., Volters I.A., Drepa E.B., Bezgina Yu.A.:// III International Scientific Conference: AGRITECH-III-2020: Agribusiness, Environmental Engineering and Biotechnologies, Krasnoyarsk, Russia, 2020. C. 52052. (Scopus)



## Timur Aysanov, Associate Professor Deputy Dean, SSAU

### Contact

Faculty of Agrobiology and Land Resources

**Tel.:** +7 988 629 63 77

**Fax:** +7 (8652) 35-64-50

**E-Mail:** aysanov\_timur@mail.ru



### Role in the project

Module 1 «SMART Agriculture and Digitalization», developer

Timur Aysanov is the scientific lead of subtopic 1 "Resource-efficient approaches for sustainable agriculture" Module 1. Together with partners from the University of Nürtingen-Geislingen - (HFWU). Novosibirsk (NSU) and Kazakh National Agrarian University (KazNAU), he participates in the development of the curriculum, materials for lectures and practical classes, and also participates in the implementation of all planned activities..

### Area of Expertise

Timur Aysanov carries out teaching activities in the following disciplines: fruit growing, viticulture, principles of organizing the territory of perennial plantations, technology of cultivation of perennial plantations. Research areas: biological agriculture, resource conservation in agriculture.

### Other Relevant Projects

- 2021 State program "Priorities 2030" - "Territorial and (or) industry leadership".
- Development of a system for biological protection of winter wheat from a complex of pests. 2019 - continues. Funded by the Ministry of Agriculture of the Russian Federation.
- Development of resource-saving technologies for the cultivation of winter wheat in the soil-climatic zones of the Stavropol Territory. 2013 - continues. Funded by the Ministry of Agriculture of the Stavropol Territory

### Relevant Publications

- Trukhachev V.I., Esaulko A.N., Aysanov T.S. Analysis of the state of the nursery industry of fruit and berry crops in the South of Russia and its development prospects // Problemy razvitiya APK regiona. 2019. № 2 (38). P. 164-170.
- Aysanov T.S., Romanenko E.S., Tulpanov S.V., Sosyura E.A., Nudnova A.F. Analysis of the current state of fruit growing in the Stavropol region // Vestnik APK Stavropolya. 2016. № 1 (21). P. 113-116.



## Elena Drepa, Candidate of Agricultural Sciences

Deputy Dean, SSAU

### Contact

Faculty of Agrobiology and Land Resources

Tel.: +7 (8652) 35-64-50

Fax: +7 (8652) 35-64-50

E-Mail: Drepa-elena@mail.ru



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Elena Drepa at Stavropol State Agrarian University is the developer of Module 2 “Systems of crop production and animal husbandry in the conditions of climate change”, the sub-topic “environmentally friendly crop production”

### Area of Expertise

Elena Drepa's activity includes teaching the discipline of Crop Production for students of the direction of Agronomy under the bachelor's degree program. Scientific activity is associated with research in the field of improving resource-saving technologies and the use of biological products in the cultivation of agricultural crops

### Other Relevant Projects

- Since 2010, she has been participating annually in the implementation of research work commissioned by the Ministry of Agriculture of the Stavropol Krai and the Ministry of Agriculture of the Russian Federation

### Relevant Publications

- Pshenichny R.N., Drepa E. B. The influence of modern mineral fertilizers and stimulants on the productivity of winter wheat // Keller readings: materials of the National (with international participation) scientific and practical conference dedicated to the 145th anniversary of the birth of Academician, Honored Scientist of the Russian Federation B. A. Keller and the 130th anniversary of the birth of Professor B. M. Kozo-Polyansky. Voronezh: Voronezh State Agrarian University, 2020. 343 p.
- Dridiger V. K., Drepa E. B., Matveev A. G. Influence of no-till technology on the content of productive moisture and density of leached chernozem of the Central Caucasus // Modern problems of science and education. - 2015. - No. 1-2.
- Drepa, E. B. Physical properties of soil when using No-Till technology // Bulletin of the Agroindustrial Complex of Stavropol. – 2014. – № 4(16). – Pp. 181-185



## Iuliia Bezgina, Candidate of Agricultural Sciences

Associate Professor, SSAU

### Contact

Department of Chemistry and Plant Protection, Faculty of Ecology and Landscape Architecture

**Tel.:** +7 (8652) 35-17-68

**Fax:** +7 (8652) 35-64-50

**E-Mail:** [Juliya.bezgina@mail.ru](mailto:Juliya.bezgina@mail.ru)



### Role in the project

Module 3 “Advanced methods of scientific working”, Scientific Lead

Juliya Bezgina is the scientific supervisor of Module 3. Together with partners from the Warsaw University of Life Sciences-SGGW and the S.Seifullin Kazakh Agro Technical University, she leads the development of Module 3. Leads the development of Subtopic 1 «Research data management». Participates in the development of subtopics «Scientific publishing, incl. methods of literature research», «Target group oriented presentations (poster, ppt .)», «Project and time management».

### Area of Expertise

The activities of Juliya Bezgina include teaching special disciplines to bachelor students of the direction of Agronomy, focus on Plant Protection. Participates in the implementation of scientific research aimed at the bipolarization of agricultural production. Studies the biological characteristics of phytophages and phytopathogens, depending on climatic conditions and technological methods.

### Other Relevant Projects

- Development of a biological protection system for winter wheat from a complex of pests. 2019-ongoing. Funded by the Ministry of Agriculture of the Russian Federation.
- Development of resource-saving technologies for the cultivation of winter wheat in the soil and climatic zones of the Stavropol Territory. 2013-ongoing. Funded by the Ministry of Agriculture of the Stavropol Territory.
- Research aimed at optimizing the phytosanitary state of agrocenoses of agricultural crops. 2017-ongoing. Funded by the Ministry of Agriculture of the Stavropol Territory.

### Relevant Publications

- Computer program for forecasting and calculating the number of winter wheat phytophages / Glazunova N.N., Bezgina Yu.A., Maznitsyna L.V., Tuturzhans L.V., Mikhno L.A. // IOP Conference Series: Earth and Environmental Science. III International Scientific Conference: AGRITECH-III-2020: Agribusiness, Environmental Engineering and Biotechnologies. Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations. 2020. p. 32018.



**Elena Pismennaya, Doctor of Agricultural Sciences,  
Professor, SSAU**

### Contact

Department of Land Management and Cadastre, Faculty of Ecology and Landscape Architecture

**Tel.:** +7 (8652) 35-17-68

**Fax:** +7 (8652) 35-64-50

**E-Mail:** pismennaya.elena@bk.ru



### Role in the project

Module 3 "Modern Methods of Scientific Research", developer

Elena Pismennaya is a member of the working group and together with partners from the Warsaw University of Life Sciences (SGGW) and the Kazakh Agrotechnical University, S. Seifullina (KATU) is developing Module 3. As part of the development team, she is developing sub-theme 1 "Research data management".

### Area of Expertise

Elena Pismennaya is in charge of the Master's degree program in Land Management and Cadastres, with a profile in Territorial Planning and Land Management. Participates in the implementation of scientific research to determine the influence of predecessors and various varieties on the productivity of winter wheat in the arid climate of the Central Ciscaucasia. Studies the productivity of various varieties in a changing climate.

### Other Relevant Projects

- 2021 State program "Priorities 2030" - "Territorial and (or) industry leadership".
- 2020 Government of the Stavropol Territory. Formation of a scientific and technical centre on the basis of SSAU in the region.
- 2018 Ministry of Social and Economic Development of the Stavropol Territory. Development of a strategy for the socio-economic development of the Stavropol Territory.
- Research in the field of creating a digital model of biogeochemical cycles for managing the production capacity of winter wheat plants based on NBICS technologies in agrobiocenoses.

### Relevant Publications

- Certificate of state registration of the computer program No. RU 20216665844 dated 04.10.21 "Forecast of the dependence of the productivity of winter wheat on the NDVI indicators in the arid zone of the Stavropol Territory."
- Relationship between NDVI index obtained from MODIS and winter wheat yield Pismennaya, E.V., Azarova, M.Yu., Golosnoy, E.V., Odintsov, S.V., Kipa, L.V. IOP Conference Series: Earth and Environmental Science this link is disabled, 2021, 848 (1), 012110.



## Svetlana Okrut, Candidate of Biological Sciences

Associate Professor, SSAU

### Contact

Department of Ecology and Landscape Architecture, Faculty of Ecology and Landscape Architecture

**Tel.:** +7 928 264 93 89

**Fax:** +7 (8652) 35-64-50

**E-Mail:** s0kr@yandex.ru

### Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer

Okrut Svetlana is a developer of the Sub-topic 3: Sustainable resources management (water, ecosystems, land management)



### Area of Expertise

Okrut Svetlana's background is in education and advisory work in environment and she teaches agricultural ecology, regional and sectoral nature management, social ecology. Areas of scientific research: optimization of water use in dry areas.

### Other Relevant Projects

- Network of Universities for Master's Degree in Water Management (Netwater). 2010-2013. EU 159311–TEMPUS–1–2009–1–IT–TEMPUS–JPCR
- Additional education in agricultural development and ecology (RUDECO). 2009-2012. EU Tempus Tacis Project 159357 TEMPUS-1-2009-1-DE-TEMPUS- JPHES
- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners

### Relevant Publications

- Okrut S.V., Pospelova O.A., Komarov V.A. Ecological characteristics of salt lakes in the Stavropol Territory / In the book *Prioritetnyye napravleniya razvitiya nauki i obrazovaniya: Monograph*. Edited by G.Yu. Gulyaev. Penza, 2017. P. 260-267.
- RUDECO Sustainable development of rural areas // - tutorial / under the general editorship of M. Dietrich, A. Merzlov. - M.: Ellis Lack. - 2013. - 680 c.





## Vladimir Stukalo, Candidate of Agricultural Sciences, Associate Professor Head of the Department, SSAU

### Contact

Department of Ecology and Landscape  
Architecture, Faculty of Ecology and Landscape Architecture  
**Tel.:** + +79187512011  
**Fax:** +7 (8652) 35-64-50  
**E-Mail:** [stukalo.vladimir@gmail.com](mailto:stukalo.vladimir@gmail.com)

### Role in the project

Module 4 “Transdisciplinary research methods for sustainable agriculture”,  
module lead

Vladimir Stukalo is responsible for the Transdisciplinary research methods for sustainable agriculture -  
Concepts of sustainable agriculture and agricultural systems.

Being a member of the Network Strategy Group Vladimir Stukalo is also involved in project WP4 Group  
activities.



### Area of Expertise

Vladimir Stukalo's activities include the teaching disciplines: land management, land cadastral survey and  
surveying according to bachelor's and specialty programs. Scientific activity is related to research in the  
field of improving resource-saving technologies and their impact on the environment.

### Other Relevant Projects

- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with  
EU and Russian Higher Education partners.
- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with  
EU, Kazakh and Russian partners
- Research aimed at optimizing the phytosanitary state of agroecosystems of agricultural crops. 2017-  
ongoing. Funded by the Ministry of Agriculture of the Stavropol Territory.

### Relevant Publications

- Pismennaya E.V., Stukalo V.A. Trends in the use of land resources of the steppe zone of the Stavropol  
Territory in various periods of agricultural management // Yug Rossii: ekologiya, razvitiye. 2017. V. 12.  
№ 4. P. 79-89.
- Pismennaya E.V., Azarova M.Yu., Stukalo V.A., Volters I.A., Kipa L.V. Optimization of cultivated areas  
of the Stavropol Territory based on agricultural potential // Zemledeliye. 2019. № 7. P. 8-11.

## Valentina Ivashova, Candidate of Sociological Sciences Associate Professor, SSAU



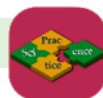
### Contact

Department of Management, Department of Strategic Development  
and Project Activities

**Tel.:** +7 8652 357 786

**Fax:** +7 8652 357 786

**E-Mail:** vivashov@mail.ru



### Role in the project

Member of the working group of the SAGRIS project Module 4 "Transdisciplinary research methods for sustainable agriculture", developer of the module subtopics.

Valentina Ivashova, together with partners from Germany and Kazakhstan, is developing Module 4 "Transdisciplinary research methods for sustainable agriculture". Valentina Ivashova is also a member of the Network Interaction Group of partner universities, was engaged in the development of questionnaires for conducting surveys of graduate students.

### Area of Expertise

Education in the field of economic sciences and sociology, Candidate of Sociological Sciences, associate professor. She has experience in conducting sociological research in the field of environmental education, sustainable development of territories, expert assessment of the competence profile of an agricultural worker.

### Other Relevant Projects

- Network of Universities for Master's Degree in Water Management (Netwater). 2010-2013. EU 159311–TEMPUS–1–2009–1–IT–TEMPUS–JPCR
- 2020 Government of the Stavropol Territory. Formation of a scientific and technical centre on the basis of SSAU in the region.
- 2018 Ministry of Social and Economic Development of the Stavropol Territory. Development of a strategy for the socio-economic development of the Stavropol Territory.

### Relevant Publications

- Lobeyko, Y., Rodionova, V., Ivashova, V., Yengibaryan, L., Barazbieva, S. Socio-ecological competence as a significant component of a university graduate, E3S Web of Conferences, 2021, 258, 10023
- Goncharov, V., Ivashova, V., Kolosova, O., Tronina, L., Berkovsky, V. Development of educational motivation through the youth socio-cultural, environmental and leisure practices, E3S Web of Conferences, 2021, 258, 10014
- Ivashova, V.A., Burlyaeva, V.A., Yushchenko, I.V., Chvalun, R.V., Simen-Severskaya, O.V. Strategies and prospects for territorial mobility of environmental graduates with higher education, E3S Web of Conferences, 2020, 224, 04039



**Svyatoslav Serikov, Candidate of Economic Sciences, Associate Professor**  
Head of the International Relations Office,  
SSAU

### Contact

International Relations Office

**Tel.:** +7 962 454 48 24

**Fax:** +7 (8652)35 59 80

**E-Mail:** serikovss@mail.ru

## Role in the project

Local Project Manager at SSAU, member of the Steering Committee and the Quality Management Team.

Svyatoslav Serikov is responsible for the overall coordination of project activities, project communication and public relations, together with the project partners from Kazakhstan and Russia, He is supervisor of the group of the working package 4: on Network interaction and a member of the quality management group. As a member of the Quality Management Group, He also participates in the processes and procedures for ensuring the quality of project.

## Area of Expertise

Has experience in the field of global economics, Associate Professor of Economics and Agricultural Food Production with a focus on environmental impact. Experience in the development and management of projects in the field of rural development, ecology, food security and agriculture. Familiarity with the interdisciplinary scope of project work and Public Relations.

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with EU, Kazakh and Russian partners
- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with EU and Russian Higher Education partners.
- Erasmus Mundus Action 2 projects with partners from EU (IAMONET-RU). 2014-2017. EU Programme Erasmus Mundus

## Relevant Publications

- Environmental safety and energy-sustainable development: /textbook [Text]/ V. Trukhachev, N. Kornilov, I. Lysenko, S. Serikov, etc.; under the general editorship of Prof. N. Kornilov (ed.) and Prof. N. Popov. - Tambov: Publishing house of Pershina , 2014. - 239 p.
- Methodology of forecasting and planning of environmental protection activities in rural areas, // A. Esaulko, I. Lysenko, S. Serikov, etc. / Agricultural Bulletin of the Stavropol Territory, Stavropol - 2014, No. S1, pp. 112. - 115.



# Novosibirsk State Agrarian University, NSAU Novosibirsk, Russia



Photo by:  
NSAU Press Centre

[www.nsau.edu.ru](http://www.nsau.edu.ru)



## Liubov Schmidt

### Head of the Department of International Projects, NSAU

#### Contact

Department of International Projects

**Tel.:** +7 383 264 2091

**Fax:** + 7 383 264 2091

**E-mail:** shmidt.nsau@gmail.com

## Role in the project

Local coordinator of SAGRIS project at NSAU

Liubov Schmidt is the local project coordinator at Novosibirsk State Agrarian University. She is a member of the Steering Committee and is responsible for the implementation of all project work packages at Novosibirsk State Agrarian University. Assisted by the consortium partners from the universities of Europe, Russia and Kazakhstan, she is involved and responsible for dissemination of project results, communication and public relations as well as project management.

## Area of Expertise

Liubov Schmidt is experienced in developing and implementing international academic cooperation, international relations, international projects and programmes on sustainable agriculture, rural development, future farming systems and ecology. She has experience in implementing academic mobility of students and teachers. She is a co-author of the database "Foreign Language in the area of Sustainable Rural Development".

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus + CBHE project with partners from EU, Kazakhstan and Russia
- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with EU and Russian Higher Education partners.
- Erasmus Mundus (IAMONET-RU). 2007-2017.

## Relevant Publications

- Dietrich, M.; Schwerk, et al. (2018). SARUD - Project on Master's Programmes in Russia and Kazakhstan. Proceedings of the 15th International Conference on Efficiency and Responsibility in Education (ERIE). Efficiency and Responsibility in Education book series, pp. 36-44
- Dietrich M., Schmidt L., Vorontsova N. (2018). The role of international projects in training specialists in sustainable development of rural areas. Professional Education in the Modern World, pp. 2059-2070.



**Evgenii Kamalidinov, Doctor of Biological Sciences, Associate Professor**  
Vice-Rector for Research and International Affairs, NSAU

### Contact

Faculty of Biology and Technology  
Department of Veterinary Genetics and Biotechnology  
**Tel./Fax:** +7 383 264 2546  
**E-mail:** kamevar@gmail.com



### Role in the project

Scientific supervisor of SAGRIS project at NSAU

Dr. Evgenii Kamalidinov is the scientific supervisor of SAGRIS project at Novosibirsk State Agrarian University. He coordinates the scientific component and content of the materials on module 3 "Advanced methods of scientific working" (subtopic 1), on application of statistical methods for data processing. He is also involved in holding project Block Seminars.

### Area of Expertise

Dr. Kamalidinov specializes in animal breeding, mathematical modelling and applied bioinformatics. He teaches the modules: "Mathematical modelling of biological processes", "Information technologies in professional field", "Biostatistics", "Statistical method of processing of experimental data" and "Computing in agricultural production".

### Other Relevant Projects

- EU Erasmus Mundus programme (IAMONET-RU). 2008-2009

### Relevant Publications

- Kamalidinov E.V., Kochneva M.L., Kulikova S.G. (2018). Methods of experimental data processing and mathematical modelling of processes: textbook, 2nd edition, ext. Novosibirsk State Agrarian University, 2018, 140 p.
- Kamalidinov E.V., Dementiev V.N. (2018). Computer technologies in professional activity and science: textbook, NSAU, 146 p.
- Kamalidinov E.V. et al. (2021). Assessment of the variability of reproductive abilities of a Black and White cattle using genealogical data and paratypical factors. Data in Brief, No. 35(2).



**Natalia Sigareva, Candidate of Biological Sciences, Associate Professor**  
Head of the Postgraduate Studies Department,  
NSAU

### Contact

Department for Postgraduate studies

**Tel.:** +7 383 204 0102

**Fax:** + 7 383 204 0102

**E-mail:** [otdel.aspiranturyngau@bk.ru](mailto:otdel.aspiranturyngau@bk.ru)

### Role in the project

Networking on enhancement of postgraduate studies in agricultural sciences

Dr. Natalia Sigareva is involved in networking and enhancement of postgraduate studies and research in agricultural sciences from the part of Novosibirsk State Agrarian University. She is responsible for elaboration and implementation of the institutional strategy on enhancement of postgraduate studies in Novosibirsk State Agrarian University.

### Area of Expertise

Dr. Natalia Sigareva has over 26 years of professional experience. She teaches Cytology, Histology and Embryology for Veterinary students and Master students who are studying Veterinary and Sanitary expertise. She supervises the student scientific team on Morphology and Molecular-Cell Biology. In addition to teaching, she is also the Head of the Department of Postgraduate studies and the Member of Academic and Scientific Councils of Novosibirsk State Agrarian University.

### Other Relevant Projects

- Erasmus Mundus (IAMONET-RU). 2007-2017.

### Relevant Publications

- Sigareva N.A. et al, (2020). Protective effects of virocidic drugs on the model of coronavirus pneumonia. *Veterinary and Feeding*, No.7, pp. 31-34. <https://vetkorm.ru/magazines/2020-7>.
- Sigareva N.A. et al. (2020). Express method of diagnosis of inflammatory processes in the intestines of pigs and broiler chickens. *International Veterinary Gazette*, No. 4, pp. 214-220. <https://vetjournal.spbguv.ru/jour/issue/view/13>



## Vitalii Tikhonovsky, Candidate of Technical Sciences

Associate Professor, NSAU

### Contact

Department of machine-tractor park exploitation

**Tel.:** +7 383 267 3507

**Fax:** + 7 383 267 3507

**E-mail:** tvv@nsau.edu.ru



## Role in the project

Module 1 Lead "SMART Agriculture and Digitalisation"

Dr. Vitalii Tikhonovsky is Module 1 lead "SMART Agriculture and Digitalisation" from the Russian HEIs. In cooperation with teachers and scientists from Germany, Russia and Kazakhstan, he elaborates the module content, competencies, learning outcomes and teaching units. He is involved in holding Block Seminars on Module 1 and pilot testing of the elaborated Module 1 learning materials.

## Area of Expertise

Dr. Vitalii Tikhonovsky has 13 years of teaching experience. He teaches the modules "Digital technologies in agribusiness", "Resource-efficiency in technological processes of maintenance and repair". His scientific interests focus on precision technologies for sustainable agriculture, information technologies in precision farming and field monitoring, resource-efficient technologies for sustainable agriculture.

## Other Relevant Projects

- AgroSTI (AgroSPACE) - Russian Contest for students from rural areas and towns

## Relevant Publications

- Tikhonovsky V.V. (2015). Technical and technological support of grain harvesting machinery on the basis of field positioning and monitoring. Novosibirsk, 161 p.
- Practical training on operation of machine-tractor fleet. (2020). Blynskiy Yu.N., Voronin D.M., Dolgushin A.A. et al., Novosibirsk, NSAU, 500 p.
- Tikhonovskaya K.V., Tikhonovsky V.V., Blynskiy Yu.N., Domnyshev D.A. (2020). Interaction of vehicles with the grain pre-treatment point. Siberian Herald of Agricultural Science. No. 50(4), pp. 93-102. <https://doi.org/10.26898/0370-8799-2020-4-11>





## Alexei Petrov, Researcher

### Acting Head of Applied Bioinformatics Laboratory, NSAU

#### Contact

Faculty of Biology and Technology

**Tel.:** +7 952 933 8254

**Fax:** +7 (383) 264-29-34

**E-mail:** lexluterking@yandex.ru



## Role in the project

Module 1 "SMART Agriculture and Digitalization", developer

Within Module 1, Mr. Alexei Petrov leads subtopic 3 elaboration which is devoted to farm management systems. Mr. Petrov is a technical developer of the official SAGRIS webpage.

## Area of Expertise

Alexey Petrov teaches the modules: "Computing in agricultural production", "Big Data in animal husbandry". He is a specialist in mathematical modelling and database architecture. He has over 20 years experience in software development for various stages of production processes and is proficient in more than 40 programming languages: from simple enterprise technological tasks to heavily loaded commercial and governmental systems, including those in the field of agriculture.

## Other Relevant Projects

- SibBioREC "Siberian Medical and Biological Research and Education Centre - 2020".
- Priority2030 grant application
- FoodNet project

## Relevant Publications

- Petrov A.F., Panferova O.D., Efremova O.V., Marenkov V.G., Ryumkina I.N. (2021). Assessment of the variability of reproductive abilities of a black and white cattle using genealogical data and paratypical factors. Data in Brief 35(2).



## Alexander Didenko, Candidate of Technical Sciences

Associate Professor, NSAU

### Contact

Department of Animal Husbandry Mechanization and Processing of Agricultural Products

**Tel.:** +7 383 267 3814

**Fax:** +7 383 267 3814

**E-mail:** didenko0920@gmail.com



### Role in the project

Module 1 "SMART Agriculture and Digitalization", developer

Dr. Alexander Didenko is involved in the development of module subtopics in digital technologies in agriculture and smart farming techniques, precision farming in animal husbandry, agricultural automation and robotics. In cooperation with partner universities in Germany, Kazakhstan and Russia, he has formulated competencies for prospective doctoral students, learning outcomes according to the Dublin descriptors, and he developed teaching materials for training future scientists..

### Area of Expertise

Dr. Alexander Didenko's research interests focus on mechanization of livestock farming processes, application of smart technology in agriculture, agricultural automation and the application of robotic systems in dairy farming. Alexander Didenko supervises the students' scientific team on Agrocopters. He teaches Livestock Mechanization, Refrigeration, and Hydraulic and Pneumatic Systems.

### Other Relevant Projects

- Biotechnological system for feeding dairy calves
- Technology for drone digital monitoring of grain pre-harvest conditions

### Relevant Publications

- Didenko A.A., Pshenov E.A., Bekova Y.A et al. (2020). Rationale for automatic determination of calf weight when kept in individual cages. Vestnik of Altai State Agrarian University, No. 8(190). pp. 141-147.
- Didenko A.A., Kalikin M.S. (2019). Failure Analysis of Unmanned Aerial Vehicles Engines. State and Innovations of Technical Service of Machines and Equipment. Materials of XI regional scientific-practical conference of students, graduate students and young scientists devoted to 75th anniversary of Engineering Institute. pp. 154-156.



## Sergey Shchukin, Candidate of Technical Sciences

Associate Professor, NSAU

### Contact

Department of Agricultural Machines

**Tel.:** +7 383 264 2531

**Fax:** +7 383 264 2531

**E-mail:** shykin.sergei@mail.ru



## Role in the project

Module 1 "SMART Agriculture and Digitalization", developer

Dr. Sergey Shchukin is an expert in the field of resource-efficient technologies in agriculture and a developer of teaching materials on resource-efficiency for sustainable agriculture. His materials substantiate the potential capacities of digital technologies in terms of resource-efficiency and necessity to hold resource-efficient lifestyle in agriculture.

## Area of Expertise

Dr. Sergei Shchukin has vast experience in teaching and practical consulting in the field of digital technologies for sustainable agriculture, as well as resource-efficient technologies for sustainable rural development. Dr. Shchukin has 25 years experience in teaching, advisory services and project work in the field of sustainable agriculture and sustainable rural development.

## Other Relevant Projects

- Sub-program "Agricultural Engineering" of the interregional innovation programme "Siberian Engineering"
- Works in the field of energy-based soil treatment technologies
- 5 patents on soil treatment

## Relevant Publications

- Study of the laboratory model of vibratory tillage machine Siberian Vestnik of Agricultural Science. (2015), Novosibirsk, No. 2, pp. 96-104.
- Study of the working process of a vibrating deep loosener Vestnik of Altai State Agrarian University, (2015), Barnaul, No. 6, pp. 110-114.
- The concept of development of tillage machines and a way to reduce the cost of deep tillage Achievements of Science and Technology of the Agroindustrial Complex. (2015). Moscow, vol. 29, No. 9. pp. 68-7.



**Konstantin Zhuchaev, Doctor of Biological Sciences, Professor**  
Dean of the Faculty of Biology and Technology,  
NSAU

### Contact

**Tel.:** +7 383 267 33 36

**Fax:** + 7 383 267 33 36

**E-mail:** zhuchaev-kv@mail.ru



## Role in the project

Module 2 "Crop and Livestock Production Systems in a Changing Climate", developer

Prof. Konstantin Zhuchaev is the developer of the subtopic of the module "Sustainable Livestock Systems and Animal Welfare". In cooperation with colleagues from universities in the Czech Republic, Russia and Kazakhstan, he has elaborated innovative materials on adaptation of the livestock systems to climate change and improvement of innovative technologies in the livestock industry under the climate change.

## Area of Expertise

Prof. Konstantin Zhuchaev is a recognized scientist and specialist in the field of animal physiology and genetics of animal adaptation. He is the leading developer of a new scientific field in national science which deals with studying animal welfare and its practical application in Russia. He has published more than 250 scientific papers, including three monographs, 12 inventor's certificates and patents, and 17 papers in SCOPUS and WoS databases.

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus + CBHE project with partners from EU, Kazakhstan and Russia
- Retraining in Rural Development and Environment (RUDECO). 2011-2014. EU Tempus project with EU and Russian partner universities.

## Relevant Publications

- Zhuchaev K.V., Sulimova L.I., Kochneva M.L. (2020). Behavioural responses and welfare of poultry. *Agricultural Biology*, vol. 55, No. 2. pp. 209-224.
- Zhuchaev K.V., Suetov N.V., Kochneva M.L., Kaufmann O. (2020). Influence of breed on behavioral preferences of pigs. *Indian Journal of Animal Research*. Vol. 54, No. 5, pp. 642-646.
- Zhuchaev K.V., Ragimov G.I., Kochneva M.L., Gart V.V. et al. (2019). Hereford and simmental cattle breeds in Siberia: implementation of the adaptive and productive potential in the cold climate. *International Journal of Recent Technology and Engineering*, vol. 8, No. 4, pp. 9631-9636.



## Inga Riumkina, Candidate of Economic Sciences

Associate Professor, NSAU

### Contact

Head of the Department of Ecology

**Tel.:** +7 9231 769 616

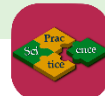
**Fax:** +7 3832 642 091

**E-mail:** [ingaryumkina@gmail.com](mailto:ingaryumkina@gmail.com)

### Role in the project

Developer of Module 2 "Crop and Livestock Production Systems under Climate Change" and Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture"

Dr. Inga Riumkina is a developer of Module 2 subtopics "Impacts of Climate Change on Agricultural Production Systems" and "Impacts of Climate Change on Food Security". She is also co-authoring with colleagues from Germany, Russia and Kazakhstan the module 4 'Systems Approaches: Conceptual and Theoretical Foundations of Socio-Ecological Systems and Human Activities'. She participates in holding the Block Seminars on these SAGRIS Modules.



### Area of Expertise

Dr. Inga Riumkina teaches subjects in the undergraduate curriculum "Biology and Natural Resources"; Microeconomics; Macroeconomics; and Social Protection. She carries out research work on sustainable development of rural areas in Russia and abroad; on regional food security; on plastic waste management and recycling. She has more than 10 years' experience in education and research. The author of more than 40 scientific papers, including 2 monographs, and 10 papers in SCOPUS and WoS international databases.

### Other Relevant Projects

- Participant of the Mongolian Sustainable Rural Development Project - 2015-2016. Theme Developer: "The role of government support for sustainable agricultural development in Mongolia".
- Recycling Project 2020-2021, India, New Delhi. Development of economic approaches on "Recycling and Closed Loop Economy".

### Relevant Publications

- Riumkina I.N. (2020). World Market of Organic Food Products. Chapter in the book. "Handbook of Research on Globalized Agricultural Trade and New Challenges for Food Security". DOI: 10.4018/978-1-7998-1042-1/ <https://www.igi-global.com>
- Riumkina I.N. et al. (2020). Crop production in Russia 2030: Alternative Data of the Development Scenarios. Data in Brief, vol. 29, January 2020, 105077
- Riumkina I.N. et al. (2021). The Impact of Global Warming and Climate Change on the Development of Agriculture in the Northern Latitudes of the Eurasian Continent [Online First], IntechOpen, DOI: 10.5772/intechopen.99392. Available from: <https://www.intechopen.com/online-first/78122>



**Larisa Korobova, Doctor of Biological Sciences, Professor**  
Faculty of Agronomy, NSAU

### Contact

Faculty of Agronomy  
**Tel.:** +7 383 2673610  
**Fax:** + 7 383 2673610  
**E-mail:** Inkorobova@mail.ru



### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer

Prof. Larisa Korobova is a recognised scientist and expert in the field of organic agriculture and organic farming. In cooperation with scientists of partner universities in Czech Republic, Germany, Russia and Kazakhstan, she is involved in the development of the subtopic "Environmentally Friendly Crop Production".

### Area of Expertise

Prof. Larisa Korobova teaches modules related to environmentally friendly agriculture, agroecology and coordinates the Master's programme in Agrochemistry and Agrosoil Science. She has 35 years of research experience in biospecimens' application, soil health improvement and crop stress resistance. She is an expert in natural resource management in Siberia and supervises scientific internships for researchers and provides advisory services for the specialists in Russia and Kazakhstan.

### Other Relevant Projects

- Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. EU Tempus Project with EU and Russian Higher Education partners.
- Cooperation with A. Baitursynov Kostanai State University within the framework of the national program of industrial and innovative development of the Republic of Kazakhstan. 2015-2019.

### Relevant Publications

- Korobova L.N., Zhirnova D.F. (2016). State assessment and ways of ecologization of agrolandscapes, Krasnoyarsk. 90 p.
- Korobova L.N. et al. (2021). Changes in the condition of spring wheat when adding a bacterial-humicidal preparation to herbicides. Bulletin of NSAU, No. 3 (60), pp. 37-46.



## Elena Shatalova, Candidate of Biological Sciences, Associate Professor Faculty of Agronomy, NSAU

### Contact

Faculty of Agronomy

**Tel.:** +7 383 267 2847

**Fax:** + 7 383 267 2847

**E-mail:** elenashatalova@mail.ru



## Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer

Dr. Elena Shatalova is a developer of SAGRIS Module 2 "Crop and Livestock Systems under Climate Change". In cooperation with researchers and teachers from partner universities in the Czech Republic, Russia and Kazakhstan, Dr. Elena Shatalova has elaborated innovative materials on biological plant protection and the peculiarities of organic production.

## Area of Expertise

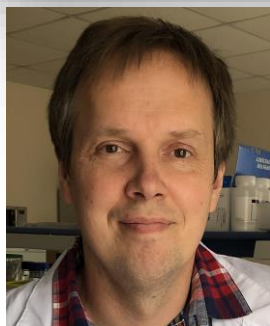
Dr. Shatalova studies fundamental and applied aspects of agroecology and sustainable agro-ecosystems on the basis of innovative technologies and adaptive-landscape, geo-information and agro-ecological tools. Her scientific interests are closely interlinked with plant protection, entomology, insect physiology and agricultural microbiology.

## Other Relevant Projects

- Biomonitoring within megalopolises: focus on sustainable agriculture (RUS J 11)

## Relevant Publications

- Shatalova E., Shternshis M. (2012). Influence of host plants on herbivore community composition on Brassica crops in Western Siberia ISRN Botany, 6 p. Article ID 682474.
- Shatalova E., Tsvetkova V. (2016). Polyfunctional properties of the entomopathogenic bacterium in protecting potato in Western Siberia, BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA, V.13(1), pp 9-15 <http://dx.doi.org/10.13005/bbra/1996>
- Shatalova E.I., Andreeva I.V., Shternshis M.V. (2020). Environmental and anthropogenic factors influencing key cabbage Lepidopteran pests in the southwestern Siberia. *Vestnik Tomskogo gosudarstvennogo universiteta. Biologiya = Tomsk State University Journal of Biology*, Vol. 51, pp. 205-211. doi: 10.17223/19988591/51/11



## Ivan Dubovskiy, Doctor of Biological Sciences, Professor Faculty of Agronomy, NSAU

### Contact

Laboratory of Biological Plant Protection

**Tel.:** +7 913 902 9915

**Fax:** +7 383 267 2847

**E-mail:** dubovskiy2000@yahoo.com



### Role in the project

Module 3 “Advanced methods of scientific working“, developer

Prof. Ivan Dubovskiy is the developer of Module 3 and the subtopic lead “Scientific publishing, including methods of literature research“. He is involved in holding Block Seminars on Module 3 with academics and experts from partner universities in Poland, Russia and Kazakhstan.

### Area of Expertise

Prof. Ivan Dubovskiy is a recognized expert in biological plant protection, agricultural entomology, insect physiology, evolutionary biology and parasitology. The main focus of his research is to analyse the mechanisms of insect resistance to entomopathogenic microorganisms and to develop new approaches for the development of biological methods to control the numbers of insect pests in agriculture.

### Other Relevant Projects

- Scientific projects of the Russian Science Foundation,
- Projects of Russian Foundation of Fundamental Research (RFFR) and presidential grants

### Relevant Publications

- Dubovskiy I.M., Grizanova E.V., Whitten M.M.A., Mukherjee K., Greig C., Alikina T., Kabilov, M., Vilcinskis, A., Glupov, V.V., Butt, T.M. (2016). Immuno-physiological adaptations confer wax moth *Galleria mellonella* resistance to *Bacillus thuringiensis*. *Virulence*, No. 30, pp. 1-11.
- Dubovskiy I.M., Grizanova E.V., Krytsyna T.I., Surcova V.S. (2019). The role of midgut nonspecific esterase in the susceptibility of *Galleria mellonella* larvae to *Bacillus thuringiensis*. *Journal of Invertebrate Pathology*. September, No. 166, pp. 107208.
- Dubovskiy I.M., Grizanova E.V., Coates C.J., Butt T.M. (2021). RNAi-mediated suppression of insect metalloprotease inhibitor (IMPI) enhances *Galleria mellonella* susceptibility to fungal infection. *Developmental & Comparative Immunology*. September, No. 122: 104126.





## Ekaterina Grizanova, Candidate of Biological Sciences, Associate Professor Laboratory of Biological Plant Protection, NSAU

### Contact

Faculty of Agronomy

**Tel.:** +7 383 267 2847

**Fax:** + 7 383 267 2847

**E-mail:** katalasa\_2006@yahoo.com



### Role in the project

Module 3 “Advanced methods of scientific working”, developer

Dr. Ekaterina Grizanova is the developer of SAGRIS Module 3 “Advanced methods of scientific working” and its subtopic which deals with scientific writing, preparing scientific publications for international scientific journals, methods of scientific literature research, research work with databases of scientific journals and publishers. Dr. Grizanova is co-authoring with colleagues from Warsaw University of Life Sciences and universities of Russia and Kazakhstan the teaching materials on planning and design of research work, embedded experiments for subsequent scientific publications.

### Area of Expertise

Dr. Ekaterina Grizanova teaches the module "Phytopathology, entomology and plant protection" in English and conducts research in the Laboratory of Biological Plant Protection. She has more than 10 years of research experience and participation in scientific projects and conferences held at international level. Her research focuses on insect immunology and host-parasite relationships, as well as resistance mechanisms of insects to pathogenic bacteria and fungi.

### Other Relevant Projects

- Projects of the Russian Science Foundation.
- Russian Foundation of Fundamental Research.
- Foundation for Assistance to Innovations, 2018-2019

### Relevant Publications

- Grizanova E.V., Krytsyna T.I., Surcova V.S., Dubovskiy I.M. (2019). The role of midgut nonspecific esterase in the susceptibility of *Galleria mellonella* larvae to *Bacillus thuringiensis*. *Journal of Invertebrate Pathology*, No. 166, p. 107208.
- Grizanova E.V., Coates C.J., Dubovskiy I.M. & Butt M.T. (2019). *Metarhizium brunneum* infection dynamics differ at the cuticle interface of susceptible and tolerant morphs of *Galleria mellonella*, *Virulence*, Vol. 10, No. 1, pp. 999-1012.
- Grizanova E.V., Coates C.J., Butt M.T., Dubovskiy I.M. (2021). RNAi-mediated suppression of insect metalloprotease inhibitor (IMPI) enhances *Galleria mellonella* susceptibility to fungal infection, *Developmental and Comparative Immunology*, No. 122, p. 104126



**Sergei Riumkin, Candidate of Economic Sciences, Associate Professor**  
Head of Research Department, NSAU

### Contact

Faculty of Economics and Management

**Tel.:** +7 383 267 0434

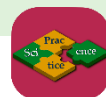
**Fax:** + 7 383 267 0434

**E-mail:** sergeyriumkin@gmail.com

## Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", developer

Dr. Sergei Riumkin is the subtopic lead for "Introduction to Sustainable Development Concepts in Agriculture and Food Systems" of SAGRIS Module 4. He is co-authoring with colleagues from Germany, Russia and Kazakhstan elaboration of innovative materials on resource efficiency in sustainability and evolution of sustainable development indicators".



## Area of Expertise

Dr. Sergei Riumkin's professional activities currently focus on interacting with foundations and government institutions to find and obtain grants for applied research in agriculture. He lectures in the modules "Microeconomics", "Economics of Agribusiness" and "Fundamentals of Agribusiness".

## Other Relevant Projects

- Forecasting and monitoring of scientific and technological development of crop production, including seed production and organic farming (Ministry of Agriculture of the Russian Federation, 2017-2021)
- International economic issues for developing countries (ITEC-IEIDP, RIS, India, 2020)
- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus + CBHE project with partners from EU, Kazakhstan and Russia

## Relevant Publications

- Riumkin S.V. et al. (2020). Crop production in Russia 2030: Alternative data of the development scenarios: Data in Brief, Volume 29, 105077
- Riumkin S.V. et al. (2020). Challenges of Regional Integration: A Case Study of the European Union: Global Governance and Economic Cooperation: Opportunities and Challenges for Developing Countries (RIS).
- Riumkin S.V. et al. (2020). The Impact of Global Warming and Climate Change on the Development of Agriculture in the Northern Latitudes of the Eurasian Continent: DOI: 10.5772/intechopen.99392



**Irina Tolstova, Candidate of Pedagogical Sciences, Associate Professor**  
Head of the Department of Public Administration, NSAU

### Contact

Faculty of Economics and Management

**Tel.:** +7 383 267 3910

**Fax:** + 7 383 267 3910

**E-mail:** irina\_edvin@gmail.com

## Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", developer

Dr. Irina Tolstova is the developer of Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture". She elaborated teaching units on stakeholder analysis and identification and their involvement in transdisciplinary research. She has also explored case studies in transdisciplinary research in cooperation with colleagues from Germany, Russia and Kazakhstan.

## Area of Expertise

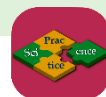
Dr. Irina Tolstova's professional interests currently deal with modern sociological research methods, transdisciplinary research methods for sustainable agriculture, human resources management, conflict studies and professional training of municipal employees. She teaches Fundamentals of Personnel Management, Economics of Agribusiness Industries, Fundamentals of Public Administration, and Pedagogics of Higher Education.

## Other Relevant Projects

- Potential of the Novosibirsk Region's Rural Areas Project 2018-2019. Conducting scientific research as part of the project as part of a team of researchers from Novosibirsk State Agrarian University.

## Relevant Publications

- Kaloshina T. Yu., Kovaleva O.S., Tolstova I.E. (2020). Potential of rural areas of the Novosibirsk region: monograph in 4 volumes, Vol. 3, Labour market. Novosibirsk, NSAU.
- Tolstova I.E., Cherepovsky S.A. (2001). Indicators of investment attractiveness of rural areas of the Novosibirsk Oblast. Theory and Practice of Modern Agricultural Science, Novosibirsk, pp. 1615-1618.





## Tatiana Kaloshina, Candidate of Sociological Sciences, Associate Professor Faculty of Economics and Management, NSAU

### Contact

Chair of Public Administration

**Tel.:** +7 383 267 39 10

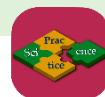
**Fax:** + +7 383 267 39 10

**E-mail:** kaloshinatu@mail.ru

### Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", developer

Dr. Tatiana Kaloshina is the developer of Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture". In cooperation with foreign and Russian partners, Dr. Kaloshina has elaborated teaching units, lectures and practical materials on "Visualization and Observation" and "Case Study Method".



### Area of Expertise

Dr. Tatiana Kaloshina has experience in teaching and conducting sociological research in rural labour market analysis; she teaches "Sociology of Management", "Labour Market", and "Modern Methods of Sociological Research".

### Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus + CBHE project with partners from the EU, Kazakhstan and Russia
- Potential of rural areas in the Novosibirsk region" project 2018-2019. Conducting scientific research as part of the project as part of a team of researchers from Novosibirsk State Agrarian University.

### Relevant Publications

- Kaloshina T. Yu., Kovaleva O.S., Tolstova I.E. et al. (2020). Potential of rural areas of the Novosibirsk Oblast: monograph in 4 volumes, Volume 3 Labour Market. Novosibirsk, NSAU.
- Kaloshina T. Yu. (2017). Personnel management at the enterprises of Agroindustrial complex - in the collection: Modern view on the future of management science. collection of proceedings of II scientific-practical conference of students and undergraduates of the Faculty of State and Municipal Management. NSAU.



## Buryat State Academy of Agriculture named after V. Filippov Ulan-Ude, Russia



Photo by:  
BSAA press office

[www.bgsha.ru](http://www.bgsha.ru)



## Erzhenya Imeskenova, Candidate of Agricultural Sciences, Associate Professor Vice-Rector on Education, BSAA

### Contact

Department of landscape design and ecology

**Tel.:** +79021615077

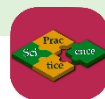
**Fax:** +83012442133

**E-mail** imesc@mail.ru

### Role in the project

SAGRIS Local project coordinator at the BSAA

Erzhenya Imeskenova is a member of the project Steering Committee, a developer of module 2 and 4, and along with partners from Warsaw University of Life Sciences, Kazakh Agrotechnical University contributes to WP 2 module development. In partnership with Czech University of Life Sciences, West Kazakhstan agrotechnical university is in charge of WP 3 “Modules implementation”.



### Area of Expertise

Teaches courses: sustainable agriculture, and Ecology. She is head of the doctoral study program for higher education personnel in the field “Ecology”. She is the author of more than 80 scientific publications. She has experience of international cooperation projects, grants and academic mobility.

### Other Relevant Projects

- ERASMUS CBHE project “Training Master in Ecosystem Services Management in Protected Areas ECOSERVE). 2021-2024. In partnership with institutions from EC, Russia and Mongolia;
- ERASMU+CBHE project “Sustainable agriculture and Rural Development (SARUD). 2015-2018 in partnership with institutions from EU, Kazakhstan and Russia;
- TEMPUS VI project Vocational Training in Rural Development and Ecology (RUDECO). 2011-2014. in partnership with Institutions from EU and Russia.

### Relevant Publications

- The role of international cooperation in the training of scientific and pedagogical staff, Imeskenova E.G., Komendanova T.M., Mankhanov A.D., Altaeva O.A., Tsybikova O.M. In the collection: Agrarian education in conditions of modernization and innovative development of agroindustrial complex of Russia. Materials of All-Russian (national) scientific-methodological conference. BSAA. Ulan-Ude, 2020. pp. 139-142.
- Rational use of agricultural lands of the republic of Buryatia, Imeskenova E.G., Komendanova T.M., Hamnaeva G.G., Mankhanov A.D. In the collection: IOP conference series: earth and environmental science. Agriculture, field cultivation, animal husbandry, forestry and agricultural products. 2. 2021. C. 022003.



**Olga Altayeva, Candidate of Agricultural Sciences, Associate Professor**  
Vice- rector for Research and International Affairs, BSAA

### Contact

Faculty of Agronomy, department of General Agriculture

**Tel.:** +7(3012)440164

**Fax:** + 7(3012)442133

**E-mail:** altaeva\_olga@mail.ru

### Role in the project

Module 2 “Crop and Livestock Production Systems under Climate Change”, module lead

Olga Altayeva is the scientific supervisor of Module 2 and together with partners from the Czech University of Natural Sciences and A. Baitursynov Kostanai State University, she leads the development of Module 2 “Crop and Livestock Production Systems under Climate Change” and is the developer of subtopics 2 and 4.



### Area of Expertise

She is the author of more than 35 scientific works, 10 scientific and methodical manuals, the developer of 4 disciplines for masters in “General Farming” and “Organic Agriculture” and 3 disciplines for bachelors in “Agribusiness” and “Agronomy”.

### Other Relevant Projects

- Head of the research “Creating a regional model of organic farming to improve soil fertility, preserve agricultural land and obtain environmentally friendly products (using the example of the Baikal region)”, 2019. Funded by the Ministry of Agriculture of Russia.
- Coordinator of the Baikal world-class scientific and educational centre project “Creation of a production complex for processing fast renewable sources of cellulose in the Republic of Buryatia”, 2021-2025. Financed by the Ministry of Education and Science of the Russian Federation and the Ministry of Agriculture of the Republic of Buryatia.

### Relevant Publications

- The system of farming of the Republic of Buryatia: scientific and practical recommendations / [Collective of authors]; under the scientific editorship of Professor A.P. Batudaev, 2018.
- O.A. Altayeva, E. Imeskenova, O. Tsybikova. Sustainable development of organic agriculture in the Baikal region as a border territory. Barnaul. Altai State University, 2019.
- Imeskenova E.G. Altaeva, O.M. Tsybikova. Towards organic farming in Buryatia. Ulan-Ude: Bulletin of BSAA named after V. Filippov



## Oyuna Tsybikova, Candidate of Agricultural Sciences, Associate Professor Head of the Department, BSAA

### Contact

The chair of "Crop, grassland, and horticulture", Agronomy faculty

**Tel.:** +79021606938

**Fax:** +83012442133

**E-mail:** oyuna\_sodnom@rambler.ru



### Role in the project

Module 1 "Smart agriculture and digitalization", developer

Oyuna Tsybikova is a project participant. Together with partners from the Institute of Applied Agricultural Research (Germany), universities in Russia and Kazakhstan, she participates in the development of Module 1 "Smart Agriculture and Digitalization".

### Area of Expertise

She has experience in the field of plant protection, technology of cultivation of vegetable crops, medicinal plants, technical hemp, breeding of berry and ornamental crops, In educational activities she teaches the disciplines: "Technology of storage and processing of plant products", "Phytosanitary optimization in plant growing", and "Medicinal plant growing".

### Other Relevant Projects

- International internship on the course "Horticulture: production, processing and marketing of products".2004. Israel.
- Erasmus Mundus. International Academic Mobility Network with Russia (IAMONET-RU)" 2011.

### Relevant Publications

- The role of international cooperation in the training of scientific and pedagogical staff, Imeskenova E.G., Komendanova T.M., Mankhanov A.D., Altaeva O.A., Tsybikova O.M. In the collection: Agrarian education in conditions of modernization and innovative development of agroindustrial complex of Russia. materials of All-Russian (national) scientific-methodological conference. BSAA. Ulan-Ude, 2020. pp. 139-142.





## Arsalan Mankhanov, Candidate of Agricultural Sciences, Associate Professor Dean of the Faculty of Agronomy, BSAA

### Contact

Faculty of Agronomy, department of landscape design and ecology

**Tel:** + 9025633885

**Fax:** + 73012442133

**E-mail:** aleksei\_manhanovv@mail.ru



### Role in the project

Module 3 "Modern Methods of scientific research", developer

Arsalan Mankhanov is a member of the group of module 3 "Modern methods of scientific research". He is the head of subtopic 4 "Preparation of presentations aimed at target groups (poster, ppt..). Together with project partners from Kazakhstan and Russia, Arsalan Mankhanov leads the development of the subtopic, module 3..

### Area of Expertise

Arsalan Mankhanov is the Dean of the Faculty of Agronomy at BSAA and also teaches the disciplines of "Forest Ecology" and "Rural Tourism". He has experience in international projects, grants, and academic mobility.

### Other Relevant Projects

- TEMPUS JEP. "Support for vocational training in sustainable forestry: LLL approach SUSFOR".
- 2014-2017. In partnership with institutions from EU, Moldova and Russia
- ERASMU+CBHE project "Sustainable agriculture and Rural Development (SARUD). 2015-2018 in partnership with institutions from EU, Kazakhstan and Russia;
- ERASMUS CBHE project "Training Master in Ecosystem Services Management in Protected Areas ECOSERVE). 2021-2024. In partnership with institutions from EC, Russia and Mongolia;

### Relevant Publications

- Rational use of agricultural lands of the republic of Buryatia, Imeskenova E.G., Komendanova T.M., Hamnaeva G.G., Mankhanov A.D. In the collection: IOP conference series: earth and environmental science. Agriculture, field cultivation, animal husbandry, forestry and agricultural products Series 2. 2021. P. 022003.
- The role of international cooperation in the training of scientific and pedagogical staff, Imeskenova E.G., Komendanova T.M., Mankhanov A.D., Altaeva O.A., Tsybikova O.M. In the collection: Agrarian education in conditions of modernization and innovative development of agroindustrial complex of Russia. materials of All-Russian (national) scientific-methodological conference. BSAA. Ulan-Ude, 2020. pp. 139-142.



**Tuyana Komendanova, Candidate of  
Biological Sciences, Associate Professor**  
Director of the Institute of Land Management,  
Cadastre and Land Reclamation, BSAA

### Contact

Institute of Land Management, Cadastre and Land Reclamation,  
department "Land management"

**Tel.:** + 9149848080

**E-mail:** [tkomendanova@mail.ru](mailto:tkomendanova@mail.ru)



### Role in the project

WP5: "Quality control plan – internal and external evaluation" and WP6: Dissemination and Exploitation"

Tuyana Komendanova is responsible for Work Packages 5 and 6 at BSAA, and also works on development of Module 3 "Advanced Methods of Scientific Working".

### Area of Expertise

Tuyana Komendanova is director of the Institute of Land Management, Cadastre and Land Reclamation and associate professor of the Land Management Department. She is a member of the public council under the Russian Registry of the Republic of Buryatia and a member of the board of the Ministry of Property and Land Relations. She teaches the disciplines Land Management and Land Surveying. Her research interests are in the area of land resources management. She has experience in international projects.

### Other Relevant Projects

- 530690–TEMPUS – 1 – 2012 – 1 – PL–TEMPUS – SMHESELFUS «Elaboration of Qualification Framework for Land Management Studies at Russian Universities»;
- International expedition «Delta flights: Leman-Baikal»

### Relevant Publications

- Rational use of agricultural lands of the republic of Buryatia, Imeskenova E.G., Komendanova T.M., Hamnaeva G.G., Mankhanov A.D. in the collection: IOP conference series: earth and environmental science. Agriculture, field cultivation, animal husbandry, forestry and agricultural products Series. 2. 2021. **C.** 022003.
- The role of international cooperation in the training of scientific and pedagogical staff, Imeskenova E.G., Komendanova T.M., Mankhanov A.D., Altaeva O.A., Tsybikova O.M. In the collection: Agrarian education in conditions of modernization and innovative development of agroindustrial complex of Russia. materials of National scientific-methodological conference. BSAA. Ulan-Ude, 2020. pp. 139-142.



**Bulat Nasatuev, Candidate of Agricultural  
Sciences, Associate Professor  
Head of Department , BSAA**

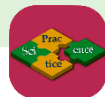
**Contact**

Technological Faculty, Department of Farm Animal Breeding and Feeding

**Tel.:** +79025658039

**Fax:** + 83012442133

**E-mail:** bulatnasatuev@mail.ru



**Role in the project**

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture“, developer

Bulat Nasatuev is a project participant. Together with partners, he is developing Module 4, "Transdisciplinary Research Methods for Sustainable Agriculture”.

**Area of Expertise**

Bulat Nasatuev has experience in agriculture education and consulting, he also teaches the disciplines: "Animal Genetics", "Animal Breeding", and "Breeding in Animal Husbandry" to undergraduate and graduate programs in Zootechnics. In addition to participating in cooperation projects in Eastern Europe, he has 20 years of experience in teaching, consulting and project work in the field of animal husbandry.

**Other Relevant Projects**

- TEMPUS IV JEP “Organic Farming in Transbaikalia (OFINTRAB)”, 2004-2008 with partners from EU and Russia
- Tempus SM-SCM “Enhancement of the quality of postgraduate training in the Baikal region in partnership with Institution of EU and Russia.

**Relevant Publications**

- Nasatuev B.D., 2016: Organic Animal Husbandry: Textbook. - St. Petersburg: Lan' Publisher, 192 p.
- Mikhailova V.A., Nasatuev B.D., Nazarova E.N., 2020: Independent work and educational process of students in the direction of “Livestock Farming”. In the collection: Agrarian education in the conditions of modernization and innovative development of agroindustrial complex of Russia. materials of All-Russian (national) scientific and methodical conference. Federal State Budgetary Educational Institution of Higher Professional Education "Buryat State Agricultural Academy named after V.R. Filippov". Ulan-Ude, 2020. - pp. 212-215.



## Zoya Yampilova

Head of the International Relations Office,  
BSAA

### Contact

International Relations Office

**Tel.:** +714 8350535

**Fax:** +83012442133

**E-mail:** zyampilova@list.ru



## Role in the project

Administrative issues, translation and interpretation

Zoya Yampilova is a project participant. She is in charge of administrative issues related to financial management, reporting, translation of documents and interpretation at meetings. She is a team member for Module 2 development.

## Area of Expertise

Zoya Yampilova has experience in developing and administering international projects and presenting them in various venues. She teaches such disciplines as "Theories and Practices of Translation", conducts intensive English language courses for students of additional professional qualification "Interpreter in Professional Communication"; She was an expert in academic evaluation of the TEMPUS project and an expert in evaluation of TEMPUS impact in Russian universities.

## Other Relevant Projects

- TEMPUS JEP. "Support for vocational training in sustainable forestry: LLL approach SUSFOR".
- 2014-2017. In partnership with institutions from EU, Moldova and Russia
- ERASMU+CBHE project "Sustainable agriculture and Rural Development (SARUD). 2015-2018 in partnership with institutions from EU, Kazakhstan and Russia;
- ERASMUS CBHE project "Training Master in Ecosystem Services Management in Protected Areas ECOSERVE). 2021-2024. In partnership with institutions from EC, Russia and Mongolia

## Relevant Publications

- Forestry Education at the Russian Agricultural Universities: experience of curriculum development. Z. Yampilova, A. Altaev, SILVA, 2015.
- Internationalization of Higher Education at Agricultural Universities of Russia: Experience of the Buryat State Academy of Agriculture
- Z.Yampilova, R. Shulunova, Proceedings of the Symposium "Twenty-five Years of the Transformation Process in Central, South-eastern, and Eastern Europe", Stuttgart, 2015



## Arctic State Agrotechnological University, ASAU Yakutsk, Russia



Photo by:  
Press media department, ASAU



**Konstantin Nifontov, Candidate of Veterinary Sciences, Associate Professor**  
Acting Vice-Rector for Science and Research,  
Head of Scientific and Research department,  
ASAU

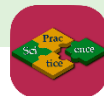
### Contact

Science and Research Department, Faculty of Veterinary Medicine

**Tel.:** +7 964 415 69 19

**Fax:** + 74112 35 78 13

**E-Mail:** kosnif@yandex.ru



### Role in the project

Local project coordinator

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", consultant

Konstantin Nifontov is a project coordinator from ASAU part; together with partners from HfWU, DITSL, WKATU, participates as a consultant in the development of Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture".

### Area of Expertise

Teaching disciplines - Internal non-communicable animal diseases, Information technology in veterinary medicine. Coordinates the work of the university's research activities (head of scientific and research department), supervised research work under the state contract with the Ministry of Agriculture of the Republic of Sakha (Yakutia) and other customers of research and advanced development.

### Other Relevant Projects

- Supervised the development of academic program FSES 3+ in a field of veterinary
- Project "Viaduct Stuttgart - Yakutsk: Together for Sustainability" (2020/2021) in cooperation with University of Hohenheim, Germany.
- Initiative project "Influence of hypothermia on human and animal organism", 2017 - to the present

### Relevant Publications

- The effect of climate change on the threat of zoonotic diseases in the arctic region (by the example of Yakutia) In the book: Emerging Threats for Human Health Impact of Socioeconomic and Climate Change on Zoonotic Diseases, 2018
- Symposium report: emerging threats for human health – impact of socioeconomic and climate change on zoonotic diseases in the Republic of Sakha (Yakutia), Russia. International Journal of Circumpolar Health. 2020. V. 79. № 1. PP. 1715698



## Margarita Novgorodova

Chief specialist, ASAU

### Contact

Department of International and Interregional Cooperation

**Tel.:** +7(999)060-10-35

**Fax:** +7(4112)508-620

**E-Mail:** m.i.nova@mail.ru

### Role in the project

Administrator of SAGRIS project, Steering Committee, WP1 Project Set-Up

Margarita Novgorodova is SAGRIS project administrator, member of the Steering Committee. She is responsible for development of Work Package 1: "Project Set-Up", as well as for the Expert Book. She is also responsible for communication of ASAU to other partner universities of the consortium, for the overall coordination of the project, and also provides documentary support on financing, procurement, dissemination, and engaged in translation.

### Area of Expertise

She is experienced in international and interregional cooperation. Margarita received education on the educational program "Foreign Regional Studies", has a master's degree in the profile of "Arctic Studies". She works on establishing cooperation with foreign organizations, holding of international events - seminars, conferences, round tables, summer and winter schools, she is engaged in migration services and visa support for foreign citizens.

### Other Relevant Projects

- Double diploma program with NKU n.a. M. Kozybaev for bachelor's and master's degree students, Petropavlovsk, Kazakhstan
- Erasmus+ KA1, Academic exchange University of Agriculture in Krakow, Poland
- Academic mobility programs with partner universities, UArctic North2North program, Finland



**Galiya Kokieva, Doctor of Technical Sciences, Professor**  
Dean of Engineering Faculty, ASAU

### Contact

Engineering Faculty, department of "Informational and digital technologies"

**Tel.:** +7 924 866 65 37

**E-Mail:** kokievagalia@mail.ru



### Role in the project

Module 1 "SMART agriculture and digitalization", module lead

Galiya Kokieva is a lead developer of Module 1 from ASAU. Together with partners from the Novosibirsk State Agrarian University and the Kazakh National Agrarian Research University, she develops Module 1 SAGRIS: "SMART agriculture and digitalization".

### Area of Expertise

She teaches such disciplines as "Methods and tools for designing IS&T" "Informatics and information technology", "IT efficiency" to bachelor's and master's programme students. She supervises the direction of postgraduate studies 05.20.01 Technologies and means of agricultural mechanization. She is engaged in research activities in the field of biotechnology, mechanization and automation of agriculture, information and digital technologies.

### Other Relevant Projects

- Head of the educational program for the training of scientific and pedagogical personnel in postgraduate studies on the program 05.20.01 Technologies and means of agricultural mechanization
- Regional stage of AgroNTI for schoolchildren from 2020, financed by the Fund for the Promotion of Innovations at the site of ASAU

### Relevant Publications

- Kokieva G.E., Krivoshepin K.K., Dondokov Yu.Zh and other, 2021: The role and improvement of technical services in agriculture In the collection: E3S Web of Conferences. XIV International Scientific and Practical Conferences, Rostov-on-Don, 2021. C. 07006.
- Sokolova V.A., Garbuzova T.G., Kokieva G.E., and other, 2021: Research of microdeformation and stress in details of agricultural machines by implementing holography In the collection: IOP Conference Series: Earth and Environmental Science. Krasnoyarsk, Russian Federation, 2021. C. 52038.





## Sardana Stepanova, Academic Assistant, ASAU

### Contact

Engineering Faculty, Department "Technological systems in agro-industrial complex"

**Tel.:** +7 996 915 23 90

**E-Mail:** sonmi2206@gmail.com



### Role in the project

Module 1 "SMART agriculture and digitalization", developer

Sardana Stepanova is a developer of the SAGRIS project at ASAU. Together with partners from the Novosibirsk State Agrarian University and the Kazakh National Agrarian Research University, she develops Module 1 SAGRIS: "SMART agriculture and digitalization".

### Area of Expertise

She teaches such disciplines as: "Agricultural machines", "Mechanization and automation in animal husbandry", and "Engineering and technical support of agricultural production." As a deputy dean for scientific work, she carries out a set of measures for organization of scientific research work in the faculty. She is engaged in research on the mechanical and technological foundations on production of fodder protein-vitamin concentrate under conditions of the Republic of Sakha (Yakutia).

### Other Relevant Projects

- Regional stage of AgroNTI for schoolchildren from 2020, financed by the Fund for the Promotion of Innovations at the site of ASAU
- Postgraduate student of the second year of study on the educational program 05.20.01 Technologies and means of agricultural mechanization

### Relevant Publications

- Kokieva G., Fedorov I., Lotova N., Stepanova S.V. and other. 2020, Development of mineral fertilization complex mechanization, In the collection: IOP Conference Series: Materials Science and Engineering. C. 012135.
- Cherkashina A.G., Stepanova S.V., Spiridonova A.V. and others, Increase of animal products by means of complete feed provision, In the collection: IOP Conference Series: Earth and Environmental Science. pp. 012118.



## Agafiya Platonova, Candidate of Agricultural Sciences

Chief researcher, Associate Professor, ASAU

### Contact

Oktyomskiy branch of ASAU, department of agronomy

**Tel.:** +8 (41144) 2-44-55

**Fax:** +8(41111)2-44-26

**E-Mail:** agafiya.platonova.2016@mail.ru



## Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, module lead

Agafiya Platonova is a leader and developer of the project for Module 2 with responsibility for overall coordination of Module 2 developers. Together with project partners from Kazakhstan and Russia, Agafiya Platonova leads the Module 2 work packages, is a member of the Module 2 management working group, and also participates in the processes and quality assurance procedures.

## Area of Expertise

Agafiya Platonova has experience in agricultural sciences. Candidate of agricultural sciences in field of crop production and research. She published scientific works on forage production, selection and seed production of agricultural crops. Also she has practical experience in attracting and managing projects in the field of food security and agriculture in agricultural schools of the Republic of Sakha (Yakutia). 5 years of teaching experience and work experience in the field of higher education.

## Other Relevant Projects

- Full-time participation in the International Scientific and Practical Conference "PLANT IMMUNITY TO INFECTIOUS DISEASES", dedicated to the 100th anniversary of the monograph by N.I. Vavilov, 2018
- Full-time participation in the I International Scientific and Practical Conference "Fundamental and Applied Aspects of Food Security", 2018

## Relevant Publications

- Platonova A.Z., Pavlov N.E. METHODS OF IMPROVING THE AWNLESS BROME PRODUCTIVITY IN YAKUTIA. In collection: IOP Conference Series: Earth and Environmental Science. International science and technology conference "Earth science". 2021. C. 022056.
- Olesova M.M., Platonova A.Z. EDUCATIONAL TECHNOLOGIES AS A BASIS FOR FORMING THE PROFESSIONAL COMPETENCE OF FUTURE AGRONOMS In the collection: Agricultural science: challenges and prospects. collection of materials of the regional scientific-practical conference. Yakut State Agricultural Academy. 2018. PP. 232-237.



## Vasyona Ustinova, Candidate of Agricultural Sciences

Associate Professor, ASAU

### Contact

Faculty of timber complex and land management, department of agronomy and chemistry

Tel.: +7(965)9966817

E-Mail: vasyona\_8@mail.ru



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Vasyona Ustinova is a developer of the SAGRIS project at ASAU. Together with partners from Novosibirsk State Agrarian University and Buryat State Agricultural Academy she works on Module 2, and develops educational and research process of postgraduate students.

### Area of Expertise

She has experience in scientific research in the field of agriculture, teaches disciplines for bachelor's program: "Forage production", "Northern meadow farming", "Crop production", "Ecology of agricultural landscapes" as well as in the master's program: "Adaptive landscape agriculture", "Adaptive technologies for cultivation of field crops in the cryolithozone ". For more than 14 years she has been an expert at republican and all-Russian conferences for schoolchildren and students. She consults schools in Yakutia with agricultural profiles on research work.

### Other Relevant Projects

- Research and development work on the topic: “Enhancement of forage lands of the Northern and Arctic zones under conditions of Momskiy district”, funding from the grant of a Governor of the Republic of Sakha (Yakutia) for young scientists, specialists and students, 2018;
- Scientific and educational project "Floating ship", financed by the All-Union Public Organization "Russian Geographical Society", 2018;
- Research work on the topic: "Rational use of subarctic reindeer pastures in the north-eastern part of the Russian Federation" R&D was carried out at the expense of funding from the Ministry of Agriculture of the Russian Federation, 2019.

### Relevant Publications

- Albina D., Aleksandra A., Vasyona U., 2014: Steady state of carbon dioxide efflux from permafrost soil in two fallow systems, 9 International Soil Science Congress on “The Soil and Civilization», Soil Science Society of Tukey cooperation with Federation of Eurasian Soil Science Societies.
- Ustinova V., Barashkova N., 2021: Methods for preserving plant biodiversity of meadow steppes in the middle Lena valley. IOP Conference Series: Earth and Environmental Science. International science and technology conference "Earth science". 2021.



## Andrey Sidorov, Candidate of Agricultural Sciences

Senior Lecturer, ASAU

### Contact

Faculty of Agricultural Technologies, Department of food technologies and catering industry

**Tel.:** +7999-17-44-075

**Fax:** +7 (4112) 507-971

**E-Mail:** aston8686@gmail.com



### Role in the project

Module 3 “Advanced Methods of Scientific Working”, module lead

Together with partners from Russian and Kazakh agricultural universities, he leads the development of module 3 SAGRIS: “Advanced Methods of Scientific Working” and participates in quality management of the materials developed and implemented activities.

### Area of Expertise

Teaching disciplines: Standardization and certification of agricultural products, Processes and devices for food production, Information technology in public catering, Computer modelling of recipes, Equipment for processing industries, coordination (deputy dean for research and innovation) of scientific research in agriculture.

### Other Relevant Projects

- Function supervisor of AgroMeteo in All-Russian competition AgroNTI for students of rural schools and small towns from 2020 to the present.
- A joint project of two scientific institutes of the Federal Research Centre "Yakutsk Scientific Centre of SB RAS" - the Institute for Biological Problems of Permafrost at SB RAS and Yakutsk Scientific Research Institute of Agriculture, educational institutions of NEFU and YSAA (ASAU) with the Hohenheim University (Germany) "Strategic bridges from Stuttgart to permafrost zone of the Republic of Sakha (Yakutia)", 2018-2020

### Relevant Publications

- THE INFLUENCE OF NON-TRADITIONAL FEED ADDITIVES ON THE PRODUCTIVITY OF HORSES IN YAKUTIA. Sidorov A.A., Grigorev M.F., Grigoreva A.I., Kyundyaytseva A.N. Collection of articles: IOP Conference Series: Earth and Environmental Science. III International Scientific Conference: AGRITECH-III-2020: Agribusiness, Environmental Engineering and Biotechnologies. Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations. 2020. pp. 42007.



## Mikhail Grigoriev, Candidate of Agricultural Sciences

Associate Professor, ASAU

### Contact

Faculty of Agricultural Technologies, Department of General Livestock Farming

**Tel.:** +7 (4112) 507-971

**E-Mail:** grig\_mf@mail.ru



### Role in the project

Module 3 “Advanced Methods of Scientific Working”, developer

Together with partners from Russian and Kazakh agricultural universities, he is developing module 3 SAGRIS: “Advanced Methods of Scientific Working”, Mikhail Grigoriev participates in quality management of the materials developed and implemented activities.

### Area of Expertise

Teaching disciplines like "Modern classification of breeds and breed zoning", "Zootechnical analysis of feed", "Complete feed mixtures in animal husbandry", "Modern problems of zootechnics" for bachelors and masters of the educational program "Zootechnics"

### Other Relevant Projects

- Participation in the International Scientific and Practical Conference "Topical Issues of Technologies and Means of Agricultural Mechanization in the Asia-Pacific Region", Far Eastern State Agrarian University, Russia, Heilongjiang Agricultural Scientific and Technical Company "Leshi", Harbin, China, 2021.
- Participation in the International Scientific and Technical Conference "FarEastCon", Vladivostok, Russia, 2020

### Relevant Publications

- Ushnitskiy A.A., Grigoriev M.F. Methods and means of scientific research. Yakutsk, 2016.90 p.
- Grigoriev M.F., Grigorieva A.I. On the issue of practice-oriented training of students of the educational program “Zootechnics” // Socio-political, legal, spiritual and moral problems of the Russian village: history and modernity: materials of a scientific-practical conference. Voronezh, 2019. PP. 156-159.



## Irina Dranaeva

Head of the Department of international and interregional cooperation, ASAU

### Contact

Department of international and interregional cooperation

**Tel.:** +7 924 868 2585

**Fax:** + 7 4112 508 620

**E-Mail:** dranaeva@mail.ru



### Role in the project

Work Package 5 “Monitoring and Evaluation”, lead from ASAU  
Module 3 “Advanced Methods of Scientific Working”, developer

She is a head of WP 5 “Monitoring and Evaluation”, together with colleagues she develops methods of internal and external evaluation by experts.

She is a developer of Module 3, subtopic 5 “Writing grant proposal”, is an expert in this area for Russian participants.

### Area of Expertise

International activities, foreign languages (English), university networking, interdisciplinary research, food security, research and educational grants.

### Other Relevant Projects

- Developed and implemented international summer / winter schools at ASAU
- Head of the International Seminar "Food Security of the Arctic Regions"
- Member of the coordinating council of the international project Laera Institute (Canada, Norway)



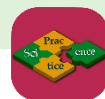
**Marianna Teryutina, Candidate of Economic Sciences, Associate Professor**  
Head of the Department, ASAU

### Contact

Faculty of Economics, department "Sectoral economics and management"

**Tel.:** +7(914)287-87-94

**E-Mail:** m\_teryutina@mail.ru



## Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", module lead

Marianna Teryutina works on development of Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture" and is a lead of the module from ASAU.

## Area of Expertise

Marianna Teryutina has 23 years of experience in the field of education, teaches disciplines: "Economics of the agro-industrial complex", "Economics of agricultural production", and "Organization of agricultural production". She is a head of the bachelor's educational program 38.03.01 Economics.

## Other Relevant Projects

- The project "Assessment of state, analysis of main trends in changes of natural and socio-economic state, human potential of the Western economic zone of the Republic of Sakha (Yakutia)" in the framework of complex scientific research in the Republic of Sakha (Yakutia), aimed at the development of productive forces and the social sphere for 2016- 2020 years.

## Relevant Publications

- Worldview foundations of studying the problems of economics by transdisciplinary methods. // Journal: Academic Bulletin, No. 3 (20), 2021.
- Impact of agri-food potential on the level and quality of life of the population // In the collection: IOP Conference Series: Earth and Environmental Science. International science and technology conference "Earth science". 2021. p. 062114.
- The content and essence of the training module: "Conceptualization of the socio-ecological system in socio-economic relationships" // Journal: Academic Bulletin, No. 4 (21), 2021.



## Piotr Zhondorov, Candidate of Philosophical Sciences

Associate Professor, ASAU

### Contact

Faculty of Economics, department of social and humanitarian disciplines

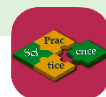
Tel.: +7(914)296-88-90

E-Mail: Jondor1966@mail.ru

## Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer

Piotr Zhondorov is a developer of Module 4 "Transdisciplinary research methods for sustainable agriculture", subtopics 2 and 3.



## Area of Expertise

Piotr Zhondorov has 29 years of experience in teaching the disciplines: "Philosophy", "Sociology", "History", "Political Science" in the areas of training bachelor's, master's and postgraduate studies.

## Other Relevant Projects

- Participated in the scientific project of Warsaw University "Silent Intelligentsia" Instytut Badan Interdyscyplinarnych "Artes Liberales", 2008.
- Participant of the international project "Dialogue partnership as a factor of stability and integration" of the Ministry of Education and Science of Astrakhan Region, Moscow Institute of Open Education, L.N. Gumilyov Eurasian National University (Astana, Kazakhstan), the Eurasian Foundation (Delhi, India), with the participation of Tsinghua University (Beijing, China), 2011.
- Grant holder 2011-2013 of the Department of Science and Technology on the topic: "Ethno-confessional relations in the Republic of Sakha (Yakutia)".

## Relevant Publications

- V.P. Starostin, P.N. Zhondorov Ethical and ethnic foundations of innovative processes in education // Prospects for Science. - 2020. - No. 3 (126) PP. 143-146.
- Zhondorov P.N. On conduction of research work on the study of the peoples of the Arctic and the North // Academic Bulletin, 2020. No. 12-1 (17). PP. 19-23.
- Mikhailova V.V., Zhondorov P.N. The universals of culture "Space" and "Time" // Yakutsk philosophical journal. 2020.No. 1 (6) PP. 3-10.





**Ayan Nyukkanov, Doctor of Biological Sciences, Associate professor**  
Head of the Department, ASAU

### Contact

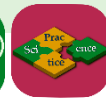
Faculty of Veterinary Medicine, department of internal non-infectious diseases, pharmacology and tocology

**Tel.:** +7(962)736-93-43

**E-mail:** farmtoxicon@gmail.com

### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer  
Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer  
Ayan Nyukkanov is a developer of Module 2 “Crop and livestock systems under climate change”, subtopic 2, and Module 4 “Transdisciplinary research methods for sustainable agriculture”, subtopic 1.



### Area of Expertise

Ayan Nyukkanov has 25 years of experience in higher agricultural education. He teaches disciplines "Veterinary Pharmacology", "Toxicology", "Veterinary and sanitary examination of zoonanthropotic infections", and also conducts a postgraduate program in the specialty 03.02.08 - Ecology.

### Other Relevant Projects

- Research work under the grant of the President of the Russian Federation on biology and agricultural sciences MD-2757.2006.4 on the topic "The impact of multifactorial contamination of aquatic environment on parasite fauna of freshwater fish"

### Relevant Publications

- Nyukkanov A.N., Platonov T.A., Kuzmina N.V. Features of the prevention of diphyllbothriasis on the Lena River // "Bulletin of KrasSAU". - 2021. - No. 2 (167) PP. 101-106.
- Pisareva L.Yu., Nikiforov A.N., Baisheva S.M., Nyukkanov A.N., Konstantinova T.N. Traditional nature management // Productive resources of the Western Yakutia. The results of complex scientific research in 2017. Monograph.
- Platonov T.A., Kuzmina N.V., Protodyakonova G.P., Nyukkanov A.N. Parasite fauna of fish in the middle reaches of the Lena River and its tributaries under conditions of increasing technogenic load // Bulletin of the Peoples' Friendship University of Russia. Series: Ecology and life safety. Volume 26 No.2 (2018) PP. 185-192.



## Andrey Martynov, Candidate of Biological Sciences

Head of the Department for Postgraduate Studies, ASAU

### Contact

Department for postgraduate studies

**Tel.:** +79644205179

**Fax:** + 8 (4112) 473825

**E-Mail:** andreymartiniv@mail.ru

### Role in the project

Developer of the Work Package 4: "Network on Agricultural PhD studies"

Andrey Martynov is a developer of Work Package 4 "Network on Agricultural PhD studies" from ASAU part.

### Area of Expertise

Development of continuing professional education. Personnel policy. Anti-corruption issues. Sociology. Society. Knowledge & Values. Sustainable Society & Regions.

### Relevant Publications

- Vasilieva E.A., Kupriyanov Yu.S., Martynov A.A. Assessment of civil servants: experience of the Republic of Sakha (Yakutia). Power and control in the East of Russia. 2015. No. 4 (73). PP. 63-70.
- Yakovlev M.M., Martynov A.A. Enhancement of state and legal policy in the field of combating corruption in the Republic of Sakha (Yakutia). Theory and practice of social development. 2017. No. 12. PP. 149-154.
- Anti-corruption: manual / M.M. Yakovlev, A.A. Martynov. - Yakutsk: NEFU Publishing House, 2020 / - 192 p.



## Vladimir Starostin, Candidate of Philosophical Sciences Associate Professor, ASAU

### Contact

Faculty of Economics, Department of Social and Humanitarian  
Disciplines

**Tel.:** +7(914)221-40-00

**E-Mail:** starost@list.ru



### Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture",  
developer

Vladimir Starostin is a developer of Module 4 "Transdisciplinary research methods for sustainable agriculture", subtopics 2 and 3.

### Area of Expertise

Vladimir Starostin has 25 years of experience in teaching the disciplines: "Philosophy", "Sociology", "History", "Political Science" in the areas of training bachelor's, master's and postgraduate studies.

### Other Relevant Projects

- Consultant in the scientific project of the University of Warsaw "Silent Intelligentsia", Instytut Badan Interdyscyplinarnych "Artes Liberales", 2008 r.
- Head of the scientific project on agritourism "Dalayik", 2020.

### Relevant Publications

- Starostin V.P., The unity and relationship of three "E": Economics, Ecology, Ethics // International Journal of Applied and Fundamental Research. - 2016. - No. 12-7. PP. 1340-1343.
- V.P. Starostin Theoretical and methodological problems of the study of the sphere of the formation of spiritual value orientations // Advances in the humanities, 2021. No. 5. PP. 13-17.
- Ivanova Ch.R., Starostin V.P. A moral attitude to nature is our human and constitutional obligation // Collection: Modern problems and achievements of agricultural science in the Arctic. 2020. PP. 289-293.



## Kazakh Agro Technical University named after S. Seifullin Astana, Kazakhstan



Photo by:  
KATU Press centre

[www.kazatu.edu.kz](http://www.kazatu.edu.kz)



**Aitzhan Abdyrov, Candidate of Technical Sciences, Doctor of Pedagogical Sciences**  
Professor in Agricultural Mechanization, Deputy Chairman of the Board – Rector, KATU

### Contact

S. Seifullin KATU  
Tel.: +77017301576  
E-Mail: abdyrov@rambler.ru

## Role in the project

Institutional support for the project

The release of the strategic program for the implementation of the developed blocks under the project, in the educational programs of undergraduates and doctoral students, together with colleagues from the Kazakh National Research University (Almaty), Kostanay Regional University (Kostanay), West Kazakhstan University (Uralsk). Responsible for the development of academic mobility between universities within the framework of the project

## Area of Expertise

Mechanization of livestock farms, pedagogy in higher education

## Other Relevant Projects

- Participated in the PAWER project, within the framework of the Erasmus + program, 2016-2020
- Head of the project «Scientific and methodological foundations of the organization of the educational process in the conditions of distance learning at the research university of agrarian profile» MES RK, 2020-2022

## Relevant Publications

- On systems thinking and ways of building it in learning. // IJESE-IJESE - International Journal of Environmental and Science Education (ISSN13063065-Turkey-Scopus) 2016, VOL. 11, NO. 18, 11149-11161
- Establishment of agricultural research universities and their role in the innovative development in the republic of Kazakhstan. // Revista ESPACIOS. ISSN 0798 1015Vol. 38 (Nº 25) Año 2017.page 4. Scopus
- Formation of research universities and their role in the innovative development of the Republic of Kazakhstan, «International Journal of Applied and Fundamental Research», No. 6, 2015, P. 496-501



## Sayakhat Nukeshev, Doctor of Technical Sciences, Professor

Dean of the Technical Faculty, KATU

### Contact

Technical faculty of S.Seifullin KATU

Tel .: +77015129791

Email: snukeshev@mail.ru



### Role in the project

Module 1 “SMART agriculture and digitalization”, developer

Sayakhat Nukeshev is the scientific supervisor of the subtopics on the precision agriculture. Together with partners from Novosibirsk State Agrarian University and Stavropol State Agrarian University, he participates in the development of modules for differential fertilising and parallel driving

### Area of Expertise

Delivering the author’s course “Mechanization of differentiated application of mineral fertilizers in the system of precision farming” and coordination (dean) of training, educational, methodological and scientific work at the technical faculty. Implementation of research projects under grants from the Ministry of Education and Science and Ministry of Agriculture of the Republic of Kazakhstan more than 16 years.

### Other Relevant Projects

- Commercialization project on the topic “Organization of production of technical means for the implementation of technologies for differentiated application of mineral fertilizers, ensuring the preservation of soil fertility and increasing yields”(2018-2021) financed by JSC “Science Fund”. The company “AGRITECH-KATU” which produces agricultural machinery was set up.
- .Project NICOPA funded by EU Erasmus (2018-2021)

### Relevant Publications

- Nukeshev S.O. Scientific bases of intrasoil differentiated application of mineral fertilizers in the system of precision farming (Monograph).- Astana, 2011.-358 p.
- Sugirbay A., Zhao J., Nukeshev S., Chen J. Determination of pin-roller parameters and evaluation of the uniformity of granular fertilizer application metering devices in precision farming / Computers and Electronics in Agriculture. Vol.179, December 2020, 105835  
<https://doi.org/10.1016/j.compag.2020.105835>



## Kairat Yeskhozhin, Candidate of Technical Sciences, Professor, KATU

### Contact

Technical Faculty, Department of Agricultural Engineering and Technology

**Tel.:** +7-707-862-57-85

**E-mail:** 5180554.kz@gmail.com

### Role in the project

Scientific supervisor of SAGRIS project at KATU

Module 1 "SMART agriculture and digitalization", scientific consultant

Yeskhozhin Kairat is a scientific consultant of the SAGRIS project. Together with partners from the Kazakh National Agrarian University and the West Kazakhstan Agricultural Research University, he takes part in the development of module 1 SAGRIS: "SMART agriculture and digitalization".



### Area of Expertise

Teaching discipline: "Fundamentals of Precision Farming", "Agricultural Machines" of the Bachelor's program in agriculture. More than 25 years of work in research work in the field of development and improvement of systems of agricultural machines for use in the zone of Northern Kazakhstan.

### Other Relevant Projects

- Development of new technology and technical means for intrasoil differentiated three-layer fertilising.
- Development of a precision farming system for the cultivation of cx crops using technology, differentiated nutrition, protective equipment and equipment for profitable production using information technology.
- Transfer and adaptation of technology for point farming in the production of crop products in the North Kazakhstan region.

### Relevant Publications

- Nukeshev S.O., Yeskhozhin K.D. и др., 2019: The theoretical rationale for traction effort experienced working part of the cultivator-fertilizer. "International Journal of mechanical engineering and technology". Vol.10., Issue.1., 2019. p 424-433.
- Nukeshev S.O., Yeskhozhin K.D. и др., 2017: The results of theoretical studies of the vibrator compensator chamber of the dispenser of mineral fertilizer. "Journal of engineering and applied sciences". Vol.13., Issue.1., 2017. p 130-136.



## Yermek Sarsikeyev, Ph.D.

Head of the Department, KATU

### Contact

Faculty of Energy, Department of Electrical Equipment Operation

**Tel.:** +7 777 939 3666

**Fax:** + 7 (7172) 317 489

**E-Mail:** sarsikeyev.ermek@yandex.ru



### Role in the project

Module 1 “SMART agriculture and digitalization”, developer

Yermek Sarsikeyev participates in the work of the group on the sub-topic “Agricultural automation and robotics”.

### Area of Expertise

The area of interest is related to modelling the operating modes of power engineering and automation devices. Development of automated and robotic systems in industry and agriculture.

### Other Relevant Projects

- Project Manager “Investigation of electro-discharge demolition of reinforced concrete products and solid waste for the development of a mobile complex for their recycling and utilization”.
- Project executor “Development and creation of scientifically grounded Smart farms (herd horse breeding, beef cattle breeding) using at least 3 different digital solutions for each area of digitalization implementation”.

### Relevant Publications

- Dunayev, P., Sarsikeyev, Y., Galtseva, O., Narimanova, G. Mathematical Model of the Throughput of an IP Network Switching Node with a Non-constant Amount of Space in the Router RAM // Studies in Systems, Decision and Control, 2021, 351, ctp. 81–88.





**Sarsenbai Abdrakhmanov, Doctor of  
Veterinary Sciences, Professor**  
Dean of the Faculty of Veterinary Medicine and  
Animal Husbandry Technology, KATU

### Contact

Faculty of Veterinary Medicine and Animal Husbandry Technology

**Telephone.:** +7(7172) 436-867, +7 701 388 1467

**Email:** S\_abdrakhmanov@mail.ru

### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Sarsenbai Abdrakhmanov is a scientific supervisor of topics on the study of epidemiology of infectious diseases of animals. Together with partners from the Universities of Minnesota, Zurich and the All-Russian Research Institute for Animal Protection (RF) is working on risk assessment, prediction of infectious diseases of animals using information and communication technology.



### Area of Expertise

Teaching of the author's course “Epizootiology and infectious diseases of animals”, “Management in veterinary medicine”, “Veterinary Geography” and coordination (Dean) of educational, methodical, scientific and educational work at the Faculty of Veterinary Medicine and Animal Husbandry Technology. More than 28 years of implementation of research projects on grants of the Ministry of Education and Science, Ministry of Agriculture of the Republic of Kazakhstan, DTRA, ISTC.

### Other Relevant Projects

- 2013-2017: “Development and implementation of Master's programs on food safety, production, marketing of Traditional food products in Russia and Kazakhstan” (544132- TEMPUS-1-2013-1- FR-TEMPUS-JPCR).
- Development of scientific foundations for effective monitoring, risk assessment and forecasting of socially significant infections using GIS technologies (MES RK);
- Scientific support of veterinary welfare and food safety. Task: Monitoring and risk assessment of African swine fever and Plague of small ruminants of the Ministry of Agriculture of the Republic of Kazakhstan, 2018-2020).

### Relevant Publications

- A.B, Shevtsov & Yessembekova, Gulzhan & A.Zh, Abenova & A.M, Kabzhanova & Abdrakhmanov, Sarsenbay. (2021). MOLECULAR GENETIC ANALYSIS OF RABIES VIRUS IN THE EAST KAZAKHSTAN REGION. HERALD OF SCIENCE OF S SEIFULLIN KAZAKH AGRO TECHNICAL UNIVERSITY. 138-143. 10.51452/kazatu.2021.4(111).810.
- Abdrakhmanov, Sarsenbay & Kanatzhan, Beisembayev & Sultanov, Akmetzhan & Mukhanbetkaliyev, Yersyn & Kadyrov, Ablakhan & Ussenbayev, Altay & Zhakenova, Aigerim & Torgerson, Paul. (2021). Modelling bluetongue risk in Kazakhstan. Parasites & Vectors. 14. 10.1186/s13071-021-04945-6.



## Iglık Zhumagulov, Candidate of Agricultural Sciences

Associate Professor, KATU

### Contact

Department of Agriculture and Crop Production

**Tel.:** +77024050909

**Fax:** 8 (7172)317-547 (317-5478-7172) 317-547

**E-mail:** iglik\_zhumagulov@mail.ru

### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Zhumagulov Iglık works on development of subtopics 1 and 2 of Module 2 "Crop and livestock systems under climate change": 1) Impact of climate change on agricultural production systems; 2) The implications of climate change for food security.



### Area of Expertise

Zhumagulov Iglık has experience in the field of education. Teaches the discipline "Agrometeorology", "Meteorology" under the bachelor's program, the discipline "Systems of farming and crop production" in the magistracy and the discipline "Scientific foundations of organic farming" for doctoral students. For more than 30 years he has been participating in various scientific projects funded by the Ministry of Agriculture and the Ministry of Education and Science of the Republic of Kazakhstan.

### Other Relevant Projects

- Participant in the TEMPUS CIBELES project No. 511172- TEMPUS — 1-2010-1-DE- TEMPUS- JPCR “Curriculum based on the Bologna principles of education leading to the reform of education in the field of environmental protection (forestry direction), 2010-2012
- Executor of the Erasmus + project "Improving postgraduate education in the field of sustainable agriculture and agricultural systems of the future" - SAGRIS, 2019-2022.

### Relevant Publications

- Zhumagulov I.I., Serekpaeв N.A., 2012. Development of an educational program on the credit system of training in the specialty "Forest resources and forestry" under the European Union program Tempus (CIBELES). Collection of scientific papers "Topical issues of biodiversity conservation and forestry", Shchuchinsk, 155 p.
- Zhumagulov I.I., Serekpaeв N.A., 2012 Development of educational programs under the European Union Tempus program (CIBELES) on the example of a specialty. Collection of reports of the Republican scientific and methodological conference "Innovative educational technologies in the system of higher education: experience and prospects, Astana, 2012, 17-22 p.



## Aliya Baitelenova, Candidate of Agricultural Sciences

Acting Associate Professor, KATU

### Contact

Faculty of Agronomy, Department of Agriculture and Plant Growing /  
S.Seifullin KATU

**Tel.:** +77017782178

**E-Mail:** baitelenova\_alya@mail.ru



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

The developer of the blocks “the impact of climate change on agricultural production systems, the impact of climate change on food security, environmentally friendly crop production” together with colleagues from the universities of Kazakh National Research (Almaty), Kostanay regional (Kostanay), West Kazakhstan (Uralsk), BSAA ( Ulan-Ude), NGSHU (Novosibirsk), SSAU (Stavropol), AGAU (Yakutsk). Practical assignments are being developed within the framework of the module.

### Area of Expertise

Technology for increasing the productivity of forage crops, field and meadow forage production, the impact of climate change on crop production

### Other Relevant Projects

- Local coordinator of the PAWER project, within the framework of the Erasmus+ program, 2016-2020
- Actively participated in the NICOPA project, within the framework of the Erasmus+ program, 2018-2021 and the IQAT project within the framework of the Erasmus+ program, 2015-2017

### Relevant Publications

- Ramazanova R.Kh., Stybaev G.Zh., Baitelenova A.A. Revision of the system for assessing educational achievements / Collection of articles of the Erasmus + program. Almaty. 2019. P. 36-39
- Serekpaev N.A., Stybaev G.Zh., Kitaybekova S.O., Baitelenova A.A. Features of international relations in the era of university integration into the international scientific and educational space / Information and analytical journal Higher School of Kazakhstan. No. 2. 2017 P. 75-79
- A. Baitelenova, N. Serekpayev, S. Aldabergenova Guarantee of quality assurance of the Educational Services in JSC "S.Seifullin KATU": Present And Future/ International dissemination conference "Bologna principles and quality assurance at EU and Central Asian HEIs". Astana, 2017. P. 94-104.



## Saule Bostanova, Candidate of Agricultural Sciences, Associate Professor Head of the Department, KATU

### Contact

Faculty of Veterinary Medicine and Livestock Technology, Department of Production and Processing of Livestock Products

**Tel.:** +7 777 652 65 00

**E-mail:** bostanova\_sk@mail.ru



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Together with colleagues from the universities: Kazakh National Research (Almaty), Kostanay Regional (Kostanay), West Kazakhstan (Uralsk), BSAA (Ulan-Ude), NGSBU (Novosibirsk), SSAU (Stavropol), AGAU (Yakutsk), we are working on the development blocks - the impact of climate change on agricultural production systems, the impact of climate change on food security.

### Area of Expertise

Dairy and beef cattle breeding, livestock production technology.

### Other Relevant Projects

- Head of the program "Development and creation of scientifically justified Smart farms (herd horse breeding, beef cattle breeding) using at least 3 different digital solutions for each area of digitalization implementation for the current production tasks of the agro-industrial complex entities and the formation of the necessary reference database for training employees of farms and peasant households and the transfer of digital knowledge to studying students".

### Relevant Publications

- Methodology for assessing the feed stock of rangelands in Australia. Scientific and practical journal of Zhangir Khan West Kazakhstan Agrarian and Technical University. Science and education. No. 3-2 (60), 2020. C. 8-14.
- Application of the Canadian technology VYTELLE (GROWSAFE) to determine the residual feed intake when raising bulls of the Kazakh white-headed breed. Science Bulletin of the S. Seifullin Kazakh Agrotechnical University (interdisciplinary). No. 2 (109). 2021.S. 15-27.
- Indicators of full value feeding rations for dairy cows. Brazilian Journal of Biology. Original Article . 82. 2022. <https://doi.org/10.1590/1519-6984.254111>



**Asylbek Baidakov, Candidate of Economic Sciences, Associate Professor**  
Head of the Department, KATU

### Contact

Faculty of Economics / Department of Accounting and Audit

**Tel.:** +7 701 3418125

**Fax:** + 7 717 2 39 59 27

**Email:** a\_baidakov@mail.ru



## Role in the project

Module 3 “Advanced Methods of Scientific Working”, developer

Asylbek Baidakov, together with partners from Stavropol State Agrarian University and Kazakh Agrotechnical Research University, leads the development of module 3: "Modern methods of scientific research" and participates in the development of materials on sub-topic 3.4 "Modern methods of statistical data analysis".

## Area of Expertise

Methods of analysis and assessment of economic risks in crop production and animal husbandry; methods of comparative analysis of the effectiveness of agricultural technologies Under the guidance of A. Baidakov, more than 20 master's theses have been defended. The management of bachelor's theses is carried out annually.

## Other Relevant Projects

- “Assessment of the economic potential of various organizational forms of subjects in the agro-industrial complex conditions in Northern Kazakhstan”, Contract No. 91 dated 12.02.2015, Grant of the Ministry of Education and Science of the Republic of Kazakhstan

## Relevant Publications

- Baidakov A.et al. Implementation of the Republican budget and assessment of agricultural financing: a case study, *Entrepreneurship and Sustainability Issues (Scopus)*, 2019, 7(2): 919-928.
- Baidakov A. et al . Prediction parameters of the Republican budget for 2016 – 2018 and their analysis, *Journal of Advanced Research in Law and Economics (Scopus)*,
- Baidakov A. and others . Features of assessing the activities of agricultural enterprises in terms of profitability, *Statistics, accounting and audit*, No. 3 (66), 2017, pp.154-164



## Aliya Ismailova, Candidate of Economic Sciences

Associate Professor, KATU

### Contact

Faculty of Economics, Accounting and Audit Department

**Tel.:** +7 701 55 88 265

**Fax:** + 7 717 2 39 59 27

**Email:** ismailova61@mail.ru

### Role in the project

Local Project Coordinator, member of SAGRIS project Steering Committee.  
Module 3 " Advanced Methods of Scientific Working", lead and developer

Aliya Ismailova is project coordinator and a member of SAGRIS Project Steering Committee. Together with partners from Stavropol State Agrarian University and Kazakh Agrotechnical Research University, she leads the development of Module 3: "Advanced methods of scientific working" and participates in development of materials on subtopic 3.4 "Modern methods of statistical data analysis".



### Area of Expertise

Competitiveness of the agricultural economy, agricultural diversification, sustainable development of the agricultural sector of the economy, rural development, assessment of the economic potential of rural areas, etc.. Supervision of more than 30 master's theses, the supervision of bachelor course theses is carried out annually.

### Other Relevant Projects

- Assessment of the economic potential of various organizational forms of subjects in agro-industrial conditions in Northern Kazakhstan". Grant of the Ministry of Education and Science of the Republic of Kazakhstan, 2015-2017
- Sustainable agriculture and rural development - SARUD. Erasmus + K2 project number 561969-EP-1-2015-1- DEEP PRO 2-CHE-JP. Funded by the Erasmus+ EU Program

### Relevant Publications

- Ismailova A.S. and others. Development of Regional Meat Cluster as a Means to Raise the Competitiveness of Livestock Industry.// International Electronic Journal of Mathematics Education, 2016. VOL.11,NO.7, 2057-2070.



## Nadezhda Meleshenko, Candidate of Economic Sciences

Associate Professor, KATU

### Contact

Faculty of Economics, Department of Economics

**Tel.:** +7 701 520 80 55

**Fax:** 8(717-2)39 59 27

**E-Mail:** nmeleshenko@mail.ru



### Role in the project

Member of SAGRIS Steering Committee

Module 3 " Advanced Methods of Scientific Working", lead and developer

Nadezhda Meleshenko is a member of the SAGRIS Project Steering Committee. Together with partners from the Stavropol State Agrarian University and the Kazakh Agro Technical Research University, she leads the development of module 3: "Modern methods of scientific research" and participates in the development of materials on sub-topic 3.4 "Modern statistical data analysis methods".

### Area of Expertise

The competitiveness of agrarian economy, diversification of agriculture, sustainable development of agrarian sector of the economy, development of rural areas, rationale for staffing needs in rural areas. Supervision of more than 50 master's theses, bachelor's theses are supervised annually.

### Other Relevant Projects

- 3561/GF4 "Justification and prognostication of need in specialists with higher professional education in AIC of Aqmola region" (leader).
- Sustainable Agriculture and Rural Development (SARUD) Erasmus + KA2 project number 561969-EPP-1-2015-1-DE-EPPKA2-CBHE-JP. Co-funded by the Erasmus+ Programme of the European Union.

### Relevant Publications

- Justification of options for the development of events to meet the need for personnel in the agro-industrial complex of the Akmola region in accordance with changes in the internal and external environment of the agricultural sector of the national economy. Economics and statistics № 4, 2018. - c. 141-147.(co-author).
- A perspective assessment of the need for graduates of higher educational institutions in the agrarian labor market of the Akmola region / Economics: Strategy and Practice, No. 3 (43). Almaty, 2017. p.71-78, (co-author).
- Econometric estimation of the demand for graduates of higher educational institutions on agricultural labor market of Kazakhstan (on the example of Akmola region). Agricultural market problems, № 2, 2017r., c. 163-169. (co-author).



## Gulden Murzabekova, Candidate of Physical and Mathematical Sciences, Associate Professor

Head of the Department, KATU

### Contact

Faculty of Computer Systems and Vocational Training, Department Information and Communication Technologies

**Tel.:** + 7 7172 383959

**Fax:** + 7 7172 316072

**E-Mail:** [g.murzabekova@kazatu.kz](mailto:g.murzabekova@kazatu.kz)



### Role in the project

Module 3 "Advanced Methods of Scientific Working", developer

Gulden Murzabekova, together with her colleagues, is a developer of Module 3 "Methods of scientific research", topic 3 "Modern methods of statistics", subtopics 3.3.1 - 3.3.3.

### Area of Expertise

Specialist in the field of applied mathematics and computer science. Teaches disciplines "System analysis and decision making", "Algorithms and data structures", "Systems modelling". She has over 25 years of teaching experience.

### Other Relevant Projects

- Development of trans-regional information literacy for lifelong learning and the DIREKT knowledge economy.

### Relevant Publications

- Murzabekova G.E., Tazhibay L.K. Information literacy in Kazakhstan // Scientific and practical electronic journal "Alley of Science", issue No. 15 (volume 1), 2017. - P. 800-808.





**Assel Imasheva, Doctor of Technical Sciences, Associate Professor, PhD**  
Deputy Director of the Department for Academic Affairs, KATU

### Contact

Department for academic affairs

**Tel.:** +7 7172 386153

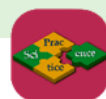
**Fax:** +7 7172 386153

**E-Mail:** a.imasheva@kazatu.kz

### Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer

Assel Imasheva is developing sub-theme 3 of Module 4 “Transdisciplinary research methods for sustainable agriculture”: Methods of Transdisciplinary Research.



### Area of Expertise

Background on processing of agricultural products. Doctor of Science in the field of wool processing. Experience in attracting and managing agricultural projects. Acquaintance with interdisciplinary design work.

### Other Relevant Projects

- Project of the Ministry of Agriculture of the Republic of Kazakhstan 042 "Applied scientific research in the field of agro-industrial complex" on the topic "Improving the technology of wool primary processing", Central Scientific and Technical Center of the Ministry of Agriculture of the Republic of Kazakhstan "Research and technologies creation and machine's systems of for distant sheep breeding"
- The Bolashak Programme - Project "Pedagogy and Psychology", Leiden University, Netherlands
- Erasmus Mundus CASIA, exchange of experience with the University of Natural Resources and Sciences, BOKU, Austria

### Relevant Publications

- Duisebayeva, F., Imasheva, A., 2020. Implementation of Multilingual Education for Sustainable Development in the Netherlands and Kazakhstan In book: Toward Sustainability Through Digital Technologies and Practices in the Eurasian Region (pp.224-238) -DOI:10.4018/978-1-7998-2551-7.ch013.
- Imasheva A., Otinshiev, M., Alikhanov, D., Daskalov, P., 2014. Development of Technology and Means of Cashmere Down Processing Bulgarian Journal of Agricultural Science, 20 (No 4) 2014, 980-987 Agricultural Academy



**Sara Kitaibekova, Master of Sciences**  
Senior Lecturer, coordinator of international  
cooperation at the Faculty, KATU

### Contact

Forestry, Wildlife and Environment Faculty, Forest Resources and  
Forestry Department

**Tel.:** +77014579319

**E-mail:** saraorazbek@mail.ru

### Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”,  
developer

She is the developer of the module in the following areas: the concept of sustainable agriculture and agricultural systems of the future, transdisciplinary research approaches (stakeholder and gender analysis, activity and knowledge analysis, collaborative learning, knowledge systems), European experience of transdisciplinarity.

### Area of Expertise

Sara Kitaibekova has experience in agricultural education. As a master of agricultural sciences, she teaches biogeocenology and multifunctional forestry for undergraduates and doctoral students, ecological tourism in English, academic writing, English for academic purposes, professional foreign language. She has experience in EU projects TEMPUS, Erasmus+ in the field of agriculture, ecology, waste, livestock, and education quality.

### Other Relevant Projects

- EU Erasmus-UnWaste “Development of a circular economy in partner countries through the development and implementation of the Master’s program” Waste Management “Germany, Austria, Latvia (2021-2024);
- EC Erasmus - NICOPA “New and innovative courses in precision agriculture” Germany. Bulgaria, Czech Republic (2018-2022);
- EU Erasmus + SUSDEV “Lifelong learning for sustainable development SUSDEV” Poland, Ireland, Portugal (2016-2019)

### Relevant Publications

- “Estimating value of the SNNP “Burabay” by measuring contingent valuation method”, Monograph, Moscow, 2017;
- “Methods of transport and travel costs at evaluation of recreational function of forests”, 3-I Intellect, Idea, Innovation, №4, 2017 A. Baitursynov Kostanai Regional University;
- “Questionnaire study aimed at a non-market valuation of benefits in SNNP “Burabay” (Research and outcomes, no. 2, 2018, KazNAU.





## Guldensin Rakhimbekova, Candidate of Pedagogical Sciences Head of the Department, KATU

### Contact

Faculty of Humanities, Department of Foreign Languages

**Tel.:** +7 (7172) 38-40-04

**Fax:** + 7 (7172) 31-75-56

**E-mail:** [grahimbekova@mail.ru](mailto:grahimbekova@mail.ru)

### Role in the project

Translator of the project of S. Seifullin Kazakh Agrotechnical University

Guldensin Rakhimbekova carries out translation and interpretation during the implementation of the project and contributes to communication in the relevant modules. She has translation experience in the agrotechnical field.

### Area of Expertise

Guldensin Rakhimbekova has 33 years of experience in the field of education, as well as experience in translation in the field of agriculture. Teaches the disciplines "Foreign Language ( professional)", "English for Academic Purposes" to undergraduates studying in the specialties of training of the S. Seifullin Kazakh Agrotechnical University

### Other Relevant Projects

- Elaboration saving technologies for creating highly productive specialized pastures for cattle and small cattle for meat production based on the effective use of biological factors and renewable resources in the dry-steppe zone of Central Kazakhstan "2017 translator
- Elaboration a system of precision farming for the cultivation of agricultural crops using elements of cultivation technology, differentiated nutrition, plant protection products and equipment for profitable production using information technology tools on the basis of a comparative study of various cultivation technologies in the north of Kazakhstan." 2019 Translator

### Relevant Publications

- Teaching guide "Agronomy" for master students of the Faculty of Agronomy 2018
- ... Teaching guide for the specialty Soil science and agrochemistry "Soil science and agrochemistry "Professional English. Reading. Writing and speaking comprehension »2018
- ... Teaching guide "Biotechnology. Professional English. Reading, writing and speaking comprehension" 2019



## Kazakh National Agrarian Research University, KazNARU Almaty, Kazakhstan



[www.kaznaru.edu.kz](http://www.kaznaru.edu.kz)



## Kuanysh Zholamanov, Candidate of Agricultural Sciences, Associate Professor, Head of the Department, KazNARU

### Contact

Department "Water, Land and Forestry Resources", Faculty of "Water,  
Land and Forestry Resources"

**Tel.:** + 87474811774

**E-mail:** kuanysh.zholamanov@kaznaru.edu.kz



### Role in the project

Module 1 "SMART agriculture and digitalization", developer

Developer of the SAGRIS project by KazNARU. Together with international partners is developing Module 1: Subtopic 1: "Resource Saving Approaches for Sustainable Agriculture", Subtopic 2: "Digital Technologies in Agriculture and Smart Farming Techniques".

### Area of Expertise

Teaching disciplines: "Methodology of scientific research in land management and cadastre", "Land resources management".

### Other Relevant Projects

- Kazakhstan Irrigation and Drainage Improvement Project (Agricultural Component) under the Ministry of Agriculture of the Republic of Kazakhstan 1999
- International Internship Program "ERASMUS+ International Mobility 2019", BOKU, University of Natural Resources and Life Sciences, Austria

### Relevant Publications

- R. Neugschwandner , A. Bernhuber , S. Kammlander , H. Wagentristl, A Klimek-Kopyra, T. Lošák , K. Zholamanov and H. Kaul Nitrogen productivity and biological nitrogen fixation of winter leguminous crops. *Agronomy* 2021, 11, 681. <https://doi.org/10.3390/agronomy11040681>
- Efficiency of inclusion of birds-foot trefoil in pasturable herbage on the irrigated site of the foothill zone of the south-east of Kazakhstan. K.Aubakirov, K.Zholamanov, K. Erzhanova, R. Neugschwandner *The Bulletin NAS RK, Almaty, 2019r, №4*



## Abdukarim Serikbayev, Doctor of Physical and Mathematical Sciences, Professor Head of the Department, KazNARU

### Contacts

Department "IT – technologies and automation", Faculty IT – technology, automation and mechanization of agro-industrial complex

**Tel.:** +7 701 206 88 95

**E-mail:** abdukarim.serikbayev@kaznaru.edu.kz

### Role in the project

Module 1 "SMART agriculture and digitalization", developer

Abdukarim Serikbayev is developer of the Module1 "SMART Agriculture and Digitalisation". Together with foreign partners he works on the project subtopic 2: "Digital Technologies in Agriculture and Smart Farming Techniques".

### Area of Expertise

Teaches disciplines: "Mathematical models of engineering problems and inverse problems of mathematical physics".

### Other Relevant Projects

- Kazakhstan Irrigation and Drainage Improvement Project (Agricultural Component) under the Ministry of Agriculture of the Republic of Kazakhstan, 1999
- International Internship Program "ERASMUS+ International Mobility 2019", BOKU, University of Natural Resources and Life Sciences, Austria

### Relevant Publications

- Differential equations and mathematical physics, About one inverse problem of Keplers potential "in the small" / Proceedings of the international scientific conference, Almaty, 2016
- Method of calculating the production potential of agricultural organization of the Almaty area in MS Excel medium, Przegląd Elektrotechniczny, 2020, DOI:10.15199/48.2018.06.17
- Technology for assessing and analysing the bioclimatic potential of agricultural formations in Almaty Przegląd Elektrotechniczny, 2020, DOI:10.15199/48.2018.06.17
- Mathematical modelling of optimal use of the main production resources of a vegetable-growing peasant(farm) economy **Markaziy osiyoda gat-gisca 2020 an anaviy konferensiyasi "barqaror rivojlanishda amaliy** Geoinformatika", 2020





**Gulnura Akhmetkerimova**  
Senior Lecturer, KazNARU

## Contact

Department of Land Resources and Cadastre, Faculty of Water, Land and Forest Resources

**Tel.:** +77762708838

**E-mail:** gulnura.akhmetkerimova@kaznaru.edu.kz

## Role in the project

Module 1 "SMART agriculture and digitalization", developer

Gulnura Akhmetkerimova is the developer of the SAGRIS project from KazNARU. Together with foreign partners, she is developing module 1 SAGRIS: Smart Agriculture.



## Area of Expertise

Teaches the discipline: "Legal support in land administration and cadastre", "Land monitoring".

## Other Relevant Projects

- Erasmus+ Enhancing competencies of Central Asian universities in agricultural policy focused on environmental protection & land management No 561590-EPP-1-2015-SK-EPPKA2-CBHE-JP
- Erasmus+ 5744056-YeRR-1-2016-PL-EPPKA2-CBHE-SP Lifelong Learning for Sustainable Development (SUSDEV). As a result of the project, the Discipline "Ecological Landscape Structure of Territories" was developed and introduced into the educational program of the magistracy.

## Relevant Publications

- Mursalimova E., Akhmetkerimova G. "Land transformation in the conditions of market relations in the republic Kazakhstan", 2017



## Abzal Abdramanov, Master of Sciences

### Head of the Department of International Rankings, KazNARU

#### Contact:

Department of international ratings

**Tel.:** +7 707 336 36 16

**E-mail:** abzal.abdramanov@kaznaru.edu.kz



### Role in the project

Contact person of KazNARU, Module 2 “Crop and Livestock Systems under Climate Change”, developer

Abzal Abdramanov is the project contact person from KazNARU, the developer of Module 2 and a member of the Steering Committee. Responsible for the overall coordination of the project activities from KazNARU.

### Area of Expertise

He is in the position of the Head of the International Rating Department, as well as a senior lecturer at the Department of Veterinary and Sanitary Expertise and Hygiene with a Master's degree in Veterinary Sciences. Participated in the development, management and implementation of international projects through ADB, Erasmus+, GIZ.

### Other Relevant Projects

- Internationalizing Master Programmes in Agriculture via English Medium Instruction 2019-2023, Erasmus Plus programme
- Paving the way to interregional mobility and ensuring relevance, quality and equity of access
- - PAWER –
- Erasmus Mundus Action 2 - projects with partners from Central Asia (CASSIA, TIMUR) and Russia (IAMONET-RU). 2014-2017 EU Erasmus Mundus Program

### Relevant Publications

- K.Tireuov, U.Akilova, O. Berezhnaya, A. Abdramanov.//Features of preparation and passing procedure of the International Specialized Accreditation of educational programs in the Veterinary Direction//NAAR, Collection of materials of the international conference "Global challenges and the future of independent accreditation in Kazakhstan", Astana, 2016.
- Nurmanbekova G.K., Abdrakhmanov A.A.//Modern academic policy of the university on the example of the Kazakh National Agrarian University//Erasmus + Office, methodical collection. Almaty, 2017.





**Ainura Aldiyarova, PhD of Agricultural Sciences, Associate Professor**  
Director of the Institute of Postgraduate Education, KazNARU

### Contact

Institute of Postgraduate Education

Tel.: +7 701 149 48 04

E-Mail: ainura.aldiarova@kaznaru.edu.kz



### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Aldiyarova Ainura – in collaboration with professors from foreign partner universities, develops module 2, subtopic “Sustainable use and management of resources (water resources, ecosystems and land use)”.

### Area of Expertise

Teaching disciplines: Water resources management, Integrated water resources use, Hydrology and flow regulation. Developer of educational program of double diploma in “Water resources management using IT technologies”. Participates in research projects of the Ministry of Agriculture of RK, Ministry of Education and Science of RK. Scientific training and professional development: USA, Spain, Slovakia, Austria, Lithuania. Author of more than 50 articles in open periodicals and collections, as well as in peer-reviewed scientific journals.

### Other Relevant Projects

- Project ECAP Enhancing Competencies of Central Asian Universities in Agricultural Policy focused on Environmental Protection & Land Management Co-funded by the Erasmus+ Programme of the European Union

### Relevant Publications

- Kozykeyeva, A.T., Mustafayev, Z.S., Aldiyarova, A.E., Arystanova, A.B., Mosiej, J. Methodical support of integrated management of water resources of the basin of transboundary rivers (2020) News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 4 (442), pp. 52-61. Scopus
- Mustafayev, Z.S., Kozykeyeva, A.T., Kalmashova, A.N., Aldiyarova, A.E., Povilaitis, A. Ecological and water economic assessment of the Yesil River Basin Catchment area (2020) News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2 (440), pp. 123-131. Scopus
- Mustafaev, Z.S., Kozykeyeva, A.T., Zhanymkhan, K., Aldiyarova, A.E., Mosiej, J. The methods of assessment of maximum allowable impacts ecologically on small rivers (2019) News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2 (434), pp. 30-38. Scopus



## Dinara Seidazimova, PhD

Senior Lecturer, KazNARU

### Contact

Department of "Horticulture", Faculty of Agrobiology

Tel.: +7 705 963 05 80

E-mail: [dinara.seidazimova@kaznaru.edu.kz](mailto:dinara.seidazimova@kaznaru.edu.kz)



### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer

Dinara Seidazimova is Module 2 developer. Together with partners from Buryat State Academy of Agriculture she works on the development of sub-topic 4, Module 2 "Crop and livestock systems under climate change".

### Area of Expertise

Dinara Seidazimova has experience in the development and implementation of the educational program "6B08105-Plant Science and Technology" for students of an agricultural university. In addition, she was involved in the organization of the training "Organization of the modern educational process in agricultural colleges in Abkhazia". She has actively participated in several scientific projects of the Ministry of Agriculture of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan.

### Other Relevant Projects

- Erasmus Mundus Action (CASIA), 2012
- Internationalizing Master Programmes in Agriculture via English Medium Instruction, Erasmus Plus program - (IMPROvE\_AGRO), 2019-ongoing.
- Supporting the Economic Empowerment of Afghan Women through Education and Training in Kazakhstan and Uzbekistan, 2020-ongoing.



## Beibit Kulataev, Candidate of Agricultural Sciences, Professor, KazNARU

### Contact

Faculty of "Technologies and Bioresources", Department of "Technology of livestock production"

**Tel.:** +8 702 238 12 48

**E-mail:** beibit.kulatayev@kaznaru.edu.kz



### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer

Beibit Kulataev is a developer of subtopic 5 of Module 2: "Sustainable livestock systems and animal welfare".

### Area of Expertise

Teacher of the discipline "Sheep breeding, Karakul breeding". Actively participated in several scientific projects through the Ministry of Education and Agriculture of the Republic of Kazakhstan.

### Other Relevant Projects

- Development of effective breeding methods in sheep breeding for the breeds Degeres, Saryarkinskaya, Edilbayskaya and Romney-marsh. responsible executor

### Relevant Publications

- Zamira Bolatbekova, Saule Assylbekova, Beibit Kulatayev, Tomáš Policar, Kuanysh Isbekov, Saya Koishybayeva. Technology of cultivation of feeder fish for culturing tilapia (*Tilapia*) and clarid catfish (*Clarias gariepinus*) in the VI fish-breeding zone of Kazakhstan. *EurAsian Journal of BioSciences. Eurasia J Biosci* 14, 475-481 (2020).
- E.I. Islamov, G.A. Kulmanova, B.T. Kulataev, A.I. Zhumanova. Genetic basis for improving the reproductive qualities and productivity of South-Kazakh merinoes under conditions of "Batay-Shu" LLP. *EurAsian Journal of BioSciences Eurasia J Biosci* 14, 5469-5475 (2020).
- E.I. Islamov, G.A. Kulmanova, B.T. Kulataev, D.N. Bekbaeva, A.S. Zhumanova. Increasing the reliability of animal genotype estimation in the process of woollen qualities improvement in South-Kazakh merino sheep divorceable in the conditions of Batay-Shu LLP in Zhambyl oblast. *EurAsian Journal of BioSciences Eurasia J Biosci* 14, 6235-6243 (2020).



## Saule Yessengaziyeva, Candidate of Economic Sciences, Professor Head of the Department, KazNARU

### Contact:

High school of Business and Law, Department "Management and organization of agribusiness" named after Ch. D. Churin

**Tel.:** +7 707 105 6465

**E-mail:** saule.yessengaziyeva@kaznaru.edu.kz

### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer  
Module 3 "Advanced Methods of Scientific Working", developer

Saule Yessengaziyeva is involved in the development of module 2, subtopic 2 "Impact of climate change on food security" and module 3, subtopic 6 "Project and time management" together with colleagues from foreign partner universities".

### Area of Expertise

Conducting disciplines: Business Economics, Organization of Agribusiness, Project Management. Developer of educational programs in the direction of "Business and Management". Participates in scientific projects of the Ministry of Agriculture of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan. Training: Holland, USA, Germany, Austria, Malaysia, Italy, China. She is an author of a number of textbooks, recommendations, has published more than 100 articles in open periodicals and collections.

### Other Relevant Projects

- Project Erasmus+ staff mobility between PROGRAMME and PARTNER COUNTRIES KA107-2016. Hochschule Weihenstephan-Triesdorf (HSWT) Weihenstephan-Triesdorf University of Applied Sciences
- Project «Institutional change in land and labour relations of Central Asia's irrigated agriculture (AGRICCHANGE)(IAMO, Germany), 2017
- Project Enhancing Competencies of Central Asian Universities in Agricultural Policy focused on Environmental Protection & Land Management / ECAP, 2017

### Relevant Publications

- Employment Effects of Non-Agricultural Businesses in Rural Areas of South Kazakhstan Region (SKR). Discussion Paper No. 168. 2017. ISSN 1438-2172 Leibniz Institute of Agricultural Development in Transition Economies. Halle (Saale), Germany
- Analysis of Production Potential to the Availability of the Livestock of Breeding Cattle in Kazakhstan. / Materials of the XIX International Scientific and Practical Conference "Problems of Economics, Organization and Management in Russia and the World." December 26, 2018, Prague, Czech Republic. 2019





## Damira Aitmukhanbetova, candidate of economic sciences

Vice Dean for AMW, associated professor at  
the Department, KazNARU

### Contact

High School of Business and Law, Kh. D. Churin Department  
"Management and Organization of Agribusiness"  
Phone: +7 707 818 61 27  
E-mail: damira.aitmukhanbetova@kaznaru.edu.kz

### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer  
Module 3 "Advanced Methods of Scientific Working", developer

Damira Aitmukhanbetova is a developer of Module 2 subtopic "Climate Change Impact on Food Security"  
and Module 3 subtopic "Project Management and Time Management "



### Area of Expertise

She teaches the discipline "Fundamentals of Entrepreneurship". Actively participated in several research projects under the Ministry of Education and Science of the Republic of Kazakhstan.

### Other Relevant Projects

- AR09259262 "Public-private partnership in the grain product subcomplex as the basis for intensive development of the agroindustrial complex. GF of the Ministry of Education and Science of the Republic of Kazakhstan for 2021-2023. – executor

### Relevant Publications

- Strategies for the development of agricultural holdings in the Republic of Kazakhstan. Monograph. ISBN: 978-620-2-51461-3, LAP Lambert Academic publishing, 2020.
- State regulation of the agricultural sector. Journal of Agricultural Market Problems. No.4, 2020, Almaty, p.47



## Aygul Ismailova, PhD of economics

Senior lecturer at the Department, KazNARU

### Contact:

High school of Business and Law, Kh. D. Churin Department  
"Management and organization of agribusiness"

Tel.: +7 705 6738676

E-mail: aigul.ismailova@kaznaru.edu.kz



### Role in the project

Module 3 "Advanced Methods of Scientific Working", developer

Developer of the modules of the SAGRIS project Module 3 "Advanced methods of scientific working", subtopic 6 "Project and time management".

### Area of Expertise

Conducting disciplines: "Business Economics", Organization of Agribusiness, Economics, Fundamentals of Agribusiness Activity and Entrepreneurship. Developer of educational programs in the direction of training "Business and Management", responsible for Educational program "Regional Development". Participates in scientific projects of the Ministry of Agriculture of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan. Trainings: Ukraine, Slovakia, Germany, Russia. She is an author of over 30 articles in open periodicals and collections.

### Other Relevant Projects

- Erasmus project + staff mobility between PROGRAMME and PARTNER COUNTRIES KA107-2016. Hochschule Weihenstephan-Triesdorf (HSWT) Weihenstephan-Triesdorf University of Applied Sciences

### Relevant Publications

- Bayboltaeva, N., Saparbayev, A., ISMAILOVA, A., Makulova, A., Imatayeva, A. Problems of accounting and reporting of small agricultural businesses in the republic of Kazakhstan (2018) Journal of Social Sciences Research, 2018 (Special Issue 3), pp. 67-75. DOI: 10.32861/jssr.spi3.67.7
- ISMAILOVA, A. 2016. Differentiating rural areas in Uzbekistan and Slovakia and their classification. In: Acta Regionalia et. Environmentalica. Nitra. Slovak University of Agriculture. Vol. 13, no. 1 (2016), pp. 12-16. DOI: 10.1515/aree-2016-0001
- ISMAILOVA, A. 2016. Structural changes in the position of agricultural entities in Slovakia. International Scientific Conference (SURAP). Nitra. SPU. 565 ps. ISBN 978-80-552-1574-7



**Gulmira Skabayeva, Candidate of  
Pedagogical Sciences, Associate Professor  
Head of the Department, KazNARU**

### Contact:

Faculty of "IT technologies, automation and mechanization of the agro-industrial complex", Department "Vocational training"

**Tel.:** +7 701 228 80 19

**E-mail:** gulmira.skabayeva@kaznaru.edu.kz

## Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", developer

Gulmira Skabayeva is a developer of the SAGRIS project from KazNARU. Together with foreign partners, she is developing module 4, submodule 3 SAGRIS: "Methods of transdisciplinary research in agriculture. Develops topics 3.4. Interview and survey.



## Area of Expertise

Teaching discipline: "Private methodology of teaching agricultural disciplines", the author's course for undergraduates of the Educational program "Ecology" - "Environmental aspects of agricultural production" and is Head of Department "Professional training".

## Other Relevant Projects

- Erasmus Mundus Action (CASIA), 2012
- Project Erasmus Mundus + 2018
- Project GIZ project for the development of the Master's degree program "Professional Education". Germany, Kazakhstan, Uzbekistan, Kyrgyzstan from 2019-present

## Relevant Publications

- Skabayeva G., Adizbayeva D.Zh., Pushanova N Featuring ecological aspects of agricultural production 2015
- Nabi I, Tolbayev A., Skabayeva G Validity of an e-office model for graphic discipline teacher. 2017. Scopus



**Yesbol Omirzhanov, Candidate of law  
Sciences, Associated Professor**  
Director of International Cooperation  
Department, KazNARU

### Contact

International Cooperation Department

**Tel.:** +7 777 2686571

**E-Mail:** yesbol.omirzhanov@kaznaru.edu.kz

### Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”,  
developer

Yesbol Omirzhanov is a project developer and together with partners from the German Institute for Tropical and Subtropical Agriculture, is participating in the development of Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”.

### Area of Expertise

Yesbol Omirzhanov has experience in the field of higher education and consulting in the field of agriculture, he also teaches the disciplines: "Methods of Scientific Research", "Academic Writing" in the doctoral program. In addition to participating in various projects, he has 18 years of experience in teaching, consulting and project work in the field of higher education.

### Other Relevant Projects

- Coordinator of the international project ERASMUS + ENTER - EngineeriNG educoTors pedagogical training - 598506-EPP-1-2018-1-PT-EPPKA2-CBHE-JP funded by the European Union. 2018-2019.
- KAZ Program - Berufliche Bildung für nachhaltiges Wirtschaftswachstum in Zentralasien. Development of a national concept of cooperative higher education for the Republic of Kazakhstan. Contract no: 83383007. National Secretary

### Relevant Publications

- Omirzhanov Y. Chongarov S.Lukashova - PROSPECTS AND REALIA OF ESTABLISHING INTERNATIONAL UNIVERSITIES IN KAZAKHSTAN // CONCORDE,2015#4- P 68-74 2.
- Y.Omirzhanov, B.Bertaeva Problems of development distance education in higher education institutions of Kazakhstan) // BULLETIN d'EUROTALENT-FIDJIP, 2015#7 – P 38-43
- Espolov T.I. Tireuov K.M. Omirzhanov Y.T. About experience of training highly qualified personnel at Kazakh National Agrarian Research University// Kazan Pedagogical Journal No. 6/143, 2020, pp. 50-56







**Gaukhar Rakhimzhanova, PhD**  
Associate Professor, Deputy Head of the  
Transformation Office, KazNARU

### Contact:

Department "Management and Organization of Agribusiness" named  
after KH. D. Churin, High School of Business and Law

**Tel.:** +7 775 121 11 66

**E-mail:** [gaukhar.rakhimzhanova@kaznaru.edu.kz](mailto:gaukhar.rakhimzhanova@kaznaru.edu.kz)

## Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture",  
developer

Gaukhar Rakhimzhanova is the developer of the topic "The concept of sustainable agriculture and agricultural systems"



## Area of Expertise

Lecturer of the discipline "Fundamentals of the organizational activity of agribusiness and entrepreneurship". Actively participated in several scientific projects through the Ministry of Agriculture of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan.

## Other Relevant Projects

- AR09259262 "Public- private partnership in the grain-product subcomplex as the basis for intensive development of the agro-industrial complex". GF MES RK for 2021-2023 - performer

## Relevant Publications

- Agrarian education as an economic agent: the influence of education on the economic indicators of agriculture. // Journal of Entrepreneurship Education Volume 21, Issue 4, 2018.
- Factors of sustainable development of the agricultural sector of Kazakhstan. Journal of Applied Economic Sciences 13(7), (2018 ) p. 2004-2016.
- The world experience of public-private partnership and its application in the economy of Kazakhstan. PUBLIC POLICY AND ADMINISTRATION. 2020, T. 19, Nr. 4 / 2020, Vol. 19, No 4, p. 209–220.



**Alua Rysbekova, PhD,**  
Deputy Head of the Department for International  
Cooperation

### Contact details:

Department of Plant Protection and Quarantine

**Tel.:** +7 778 700 70 19

**E-mail:** [alua.rysbekova@kaznaru.edu.kz](mailto:alua.rysbekova@kaznaru.edu.kz)

## Role in the project

Administrative staff, responsible for the dissemination and exploitation, Steering Committee Member

Rysbekova Alua – Together with the project coordinators, she works on the dissemination of the project. She is a member of the working group on WP4 Networking on Third Level Agricultural Science Training.

## Area of Expertise

Teaching disciplines: Basics of entomology, Protection of agricultural crops from pests and diseases, Biotechnology in Plant Protection.

Participates in scientific projects of the Ministry of Agriculture of the Republic of Kazakhstan, furthermore participates in the Erasmus+ Program International Projects

## Other Relevant Projects

- Internationalizing Master Programmes in Agriculture via English Medium Instruction 2019-2023, Erasmus+ programme, 2019-2022.
- Paving the way to interregional mobility and ensuring relevance, quality and equity of access - PAWER, 2016-2019
- Erasmus+ project #5744056-EPP-1-2016-PL-EPPKA2-CBHE-SP SUSDEV 2016 - 2019
- Through the Program-targeted financing by the Ministry of Agriculture of the Republic of Kazakhstan "Development and improvement of integrated systems for the protection of fruits, vegetables, grains, fodder, legumes and plant quarantine", 2020-2023.

## Relevant Publications

- Scientific journal "Research, results", №4, 2020. Infection of Winter and Spring Barley by Root Rot in South-East Kazakhstan
- OnLine Journal of Biological Sciences 2021, 223-231, 28 April 2021 Morphological Signs of Barley Spot Pathogens in the Conditions of the Almaty region
- Scientific journal "Research, results", №3, 2021. Biological features of the causative agent of banded barley leaf spot in the Almaty region

## Zhangir Khan West Kazakhstan Agrarian-Technical University, WKATU Uralsk, Kazakhstan



[www.wkau.kz](http://www.wkau.kz)



## Irina Bogdashkina, Candidate of Pedagogical Sciences

Associate Professor, Head of SDAD, WKATU

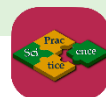
### Contact

Strategic Development and Analysis Department, Higher School of Economics and Audit

**Tel.:** +7 7112 502 022

**Mobile:** +7 707 766 38 41

**E-Mail:** bogiv1@yandex.ru



### Role in the project

Manager of the project Working group (ZKATU), Module 4 " Transdisciplinary Research Methods for Sustainable Agriculture", developer

Irina Bogdashkina is a member of the project's Steering Committee. She also coordinates the participation of the WKATU working group in the implementation of the project, directs the development of Module 4 "Transdisciplinary methods for sustainable agriculture" from the Kazakh side. In the project, she also participates in the implementation of WP3 - Pilot implementation of block seminars.

### Area of Expertise

Irina Bogdashkina teaches the disciplines "Pedagogy of Higher education", "Microeconomics", "Macroeconomics" at the university. She is a developer of programs for the development and implementation of changes in the organization, In addition, she has experience in implementing projects for the development of technical and vocational education in Kazakhstan, monitoring the perception of corruption.

### Other Relevant Projects

- Developer in the project "Lifelong Learning for Sustainable Development", 574056-EPP-1-2016- PL-EPPKA2-CBHE-SP "Lifelong Learning for Sustainable Development" / SUSDEV, Erasmus +

### Relevant Publications

- Ibyzhanova A.D., Bogdashkina I. V., Dzhakupova A. K., 2021: assessment of the impact of the Pandemic on the development of Agriculture in Kazakhstan. Bulletin of the Kazakh University of economics, finance and international trade.-2021.- №1(42)2021.- PP. 51-60. - DOI 10.52260/2304-7216.2020.1(42).6
- Zh. Kenzhin, M. Bayandin, S. Primbetova, A.Tlessova, I. Bogdashkina, 2016: Streamlining human resource management at enterprises operating within Kazakhstan's present-day agro-industrial complex. An open access Internet journal (<http://www.icommercecentral.com>) Journal of Internet Banking and Commerce, December 2016, vol. 21, no. S6 Special Issue: Territory and Industry: The Search for Innovative Ways of Developing



**Gulzhamal Zhamasheva (Irgaliyeva),  
Master of Pedagogical Sciences**  
Leading specialist of the International  
Cooperation Department, WKATU

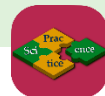
### Contact

International Cooperation Department

**Tel.:** +7 7112 502 118

**Mobile:** +7 778 658 60 00

**E-Mail:** gulzhamal.irgaliyeva@gmail.com



### Role in the project

Administrator of the SAGRIS project working group (WKATU), Module 4 " Transdisciplinary Research Methods for Sustainable Agriculture", developer

Gulzhamal Zhamasheva is the project administrator from WKATU. She also coordinates the participation of the WKATU working group in the implementation of the project, is the developer of Module 4 "Transdisciplinary methods for sustainable agriculture".

### Area of Expertise

Gulzhamal Zhamasheva teaches the disciplines "Foreign language", "Foreign Language 2" at the university. She is a developer of programs for the development and implementation of changes in the organisation, In addition, she has experience in implementing projects for the development of technical and vocational education in Kazakhstan, monitoring the perception of corruption.

### Relevant Publications

- University English communicative language teaching: a Kazakhstan and American co-teaching experience. Co-authored with Robin Bantel. Journal "Bulletin" of the Kazakh National Pedagogical University named after Abai, series "Pedagogical sciences", № 1 (65), 2020. Pp. 120-125.



**Marat Ongayev, Candidate of Engineering Sciences, Associate Professor,**  
Director of Agrotechnological Institute, WKATU

### Contact

Agrotechnological Institute  
**Tel.:** +7 701 2381393  
**Fax:** + 7 7112 501374  
**E-Mail:** maratonaev@mail.ru

### Role in the project

Module 1 “SMART agriculture and digitalization”, developer

Module 2 “Crop and Livestock Systems under Climate Change”, developer

Together with partners of the universities of Kazakhstan and Russia, participates in the development of materials for these modules. Being the head of the development teams at Zhangir Khan West Kazakhstan Agrarian-Technical University, he is responsible for the quality and timeliness of the project implementation



### Area of Expertise

He has 40 years of experience in scientific and pedagogical activity. Teaches Master's degree courses "Modern methods of land reclamation" and "New in land monitoring", as well as undergraduate courses - "Scientific foundations of land management". Head of grant projects on the problems of reclamation and restoration of irrigated lands, reclamation assessment of water and land resources, irrigation of pastures. Author of more than 300 publications, including 3 monographs.

### Other Relevant Projects

- Assessment of the development of the hydroecological situation in the Ural-Caspian natural and economic basin caused by climatic and anthropogenic changes in the transboundary flow of the Ural River and transboundary atmospheric transport of pollution from adjacent territories. Funded by the Ministry of Education and Science of the Republic of Kazakhstan (MES RK) - 2009-2011. Project manager "Assessment of the impact of long-term irrigation on the ecological and reclamation state of estuaries and ways of their restoration". MES RK – 2012-2014 Project manager.
- Reclamation assessment of water resources of the Ural-Caspian Natural and Economic basin of the Ministry of Education and Science of the Republic of Kazakhstan – 2012-2014. Project manager.

### Relevant Publications

- Ongayev M., Tuktarov R.B., Tassanova Zh. И др. Assessment of the current state of vegetation of estuaries in the zone of dry steppes of western Kazakhstan // Research Journal of Pharmaceutical, Biological and Chemical Sciences. - 2016. - № 7(5).- P.382-388.
- Ongaev M.K., Tuktarov R.B., Denizbaev S.E., etc. Restoration of productivity of estuaries of the Urals: monograph. - Uralsk: Zhangir Khan WKATU. - 2017. - 137 p.
- Marat Ongaev, Zamzagul Sultanova, Serik Tenizbayev, etc. Engineering and technological infrastructure of the agro-industrial complex // International Journal of New Trends in Engineering Research, Volume 7, No. 12 December 2019, pp.879-885



**Aliya Kushenbekova, PhD**  
Lecturer, WKATU

### Contact

Higher school of crop production technology, Agrotechnological institute

Tel.: +77112501850

E-Mail: [aliya.kushenbekova@mail.ru](mailto:aliya.kushenbekova@mail.ru)



### Role in the project

Module 1 "SMART agriculture and digitalization", developer

Module 2 "Crop and Livestock Systems under Climate Change", developer

Aliya Kushenbekova - participates in the development of module 1 "SMART agriculture and digitalization", as well as module 2: "Crop and livestock systems under climate change."

### Area of Expertise

Doctor of PhD in Agriculture, she has experience in the field of education, teaches disciplines: "Fundamentals of phytosanitary systems and technologies", "Legislative and regulatory foundations of plant protection and quarantine", "Protection and land use planning".

### Other Relevant Projects

- Participation in the initiative project on the topic: "Comparative study of crop varieties in the conditions of West Kazakhstan" 2016-2019

### Relevant Publications

- Kushenbekova A.K., Mukhamedyarov A.S. Productivity and quality of various varieties of winter wheat in the conditions of the West Kazakhstan region. Science and education. 2020 №4-2 73-76.
- Kushenbekova A.K., Mukhamedyarova A.S. Productivity of winter wheat in the conditions of the West Kazakhstan region. Science and education. 2020 №4-2 68-73.
- Kushenbekova A.K., Mukhamedyarova A.S. Field germination of winter wheat in the conditions of the West Kazakhstan region. Science and education. 2020 №1.45-49.



## Aliya Nagiyeva, PhD

Acting associate professor, Deputy Director of  
the Agrotechnological Institute, WKATU

### Contact

Agrotechnological Institute

Tel.: +77051478577

E-Mail: nagievaliya@mail.ru



## Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", developer

Aliya Nagiyeva is the developer of module 2 "Crop and livestock systems under the climate change". Together with partners from Kazakhstan and Russia, she participates in the development of training programs for SAGRIS module 2: "Crop and livestock systems under the climate change".

## Area of Expertise

Aliya Nagiyeva has experience in education and science, also teaches disciplines: "Microorganisms and soil fertility", "Soil and plant diagnostics" in the master's program and "Fundamentals of scientific research in the field of soil science", "Modern concepts of fertilizer applications" in the doctoral program, is the head of doctoral and undergraduates, also Deputy Director of the Institute and is associated with educational, scientific activities of higher schools and students. For 10 years she has been involved in the implementation of research projects funded by the Ministry of Education and Science of the Republic of Kazakhstan.

## Other Relevant Projects

- Development of technology for the conservation and reintroduction of the steppe plant species by creating a nursery "wild flora"
- "The use of methods of modern metagenomic in the assessment of agro-ecological condition of soils in Western Kazakhstan"
- "The formation of the living gene Bank of sturgeon Ural-Caspian population", "The study of carbon stocks and emissions of carbon dioxide dark chestnut soils depending on the type of land use in the agrocenoses of the Urals and Kazakhstan"

## Relevant Publications

- E. V. Pershina, E. A. Ivanova, A.G. Nagiyeva, A. T. Zhiengaliev, E. L. Chirak, E. E. Andronov, N. Kh. Sergaliev A Comparative Analysis of Microbiomes in Natural and Anthropogenically Disturbed Soils of North-Western Kazakhstan. Journal Eurasian Soil Science, 2016.
- N.Kh. Sergaliyev, A.G. Nagiyeva, A.S. Tlepov, A.T. Zhiengaliyev. Emission of Carbon Dioxide from the Dark Chestnut Soil in West Kazakhstan. International Journal of Engineering and Advanced Technology (IJEAT). - 2019..





## Aizhan Ibyzhanova, Candidate of Economic Sciences

Head of the Higher School of Economics and Audit, WKATU

### Contact

Institute of Economics, Information Technology and Vocational Education

**Tel.:** +7 777 234 8234

**Fax:** +7 7112 50-13-74

**E-Mail:** iaizhan@mail.ru



## Role in the project

Module 3 “Advanced Methods of Scientific Working”, developer

Aizhan Ibyzhanova, together with partners from the Kazakh Agrarian and Technical University named after S. Seifullin, is developing sub-topic 3 "Advanced methods of scientific working" of the 3rd module. Participates in quality management of developed materials and implemented activities.

## Area of Expertise

Teaching the disciplines: "Econometrics", "Economic Analysis" and coordination (Head of the Department) of the Bachelor's and Master's degree programs in economics. Has experience in the implementation of automation systems of economic processes in management

## Other Relevant Projects

- Scientific project "Development of organizational and economic mechanism of territorial organization of agriculture in conditions of strengthening of economic integration processes", funded by the Ministry of Education and Science of the Republic of Kazakhstan, 2015-2017.

## Relevant Publications

- Tarshilova L.S., Ibyzhanova A.D., Kazambayeva A.M. Territorial specialization of agricultural production of the region International //Journal of Applied Business and Economic Research. - 2016. - No. 9. Vol. 14. - P. 5935-5950 . – ISSN
- Tarshilova L.S., Ibyzhanova A.D. Reaction of the regional agroindustrial complex to integration processes// Espacios. - 2017. Vol. 38 (62). - p. 1-16. - ISSN 0798-1015
- Ibyzhanova A., Rustenova E., Dzhakupova A. Assessment of the export potential of the food industry of the West Kazakhstan region //Economics and statistics.-2021.-No.3.-pp. 103-111



## Kenzhin Zhaxat, PhD

Associate Professor of the Higher School of  
Economics and Audit, WKATU

### Contact

Institute of Economics, Information Systems and Vocational Education,  
Higher School of Economics and Audit

Tel.: +7 747 107 53 90

E-Mail: jaksat\_22@mail.ru



## Role in the project

Module 3 "Advanced Methods of Scientific Working", developer

Module 3. Erasmus+ "Enhancement of postgraduate studies on sustainable agriculture and future farming systems (SAGRIS)" of the working group on Module 3 "Advanced methods of scientific working"

## Area of Expertise

Teaches agricultural specialties in the disciplines "Fundamentals of Economics and Entrepreneurship", "Business Planning", economic specialties in the disciplines "Economic Theory" and "Marketing". In 2013, he took part in the VI Astana Economic Forum. In 2013, the Regional Academy of Management awarded the title of Associate professor (associate professor) in the field of "Management". In 2014, he was elected a full corresponding member of the International Academy of Informatization. In 2015, he completed a scientific internship at the Baltic International Academy in Riga, Latvia, in the amount of 7 ECTS.

## Relevant Publications

- A.Baimbetova, L.Mutaliyeva, Zh.Kenzhin, D.Seidualin, S.Tleuberdieva, K.Mussina // Volunteering in the Tourism Industry of the Republic of Kazakhstan/ Journal of Environmental Management and Tourism JEMT (Volume XII, Spring) 2021, 1(49): 173 - 194. ISSN: 2068-7729
- N.A. Akhmetzhanova, F.N. Mukhametgaliev, J.B.Kenzhin //Prospects for the development and improvement of the competitiveness of Kazakhstan's agribusiness in the conditions of the EAEU/Economic series of the Bulletin of the L.N. Gumilyov ENU No. 2/2021, P-17-25
- Tsaurkubule Zh, Kenzhin Zh, Bekniyazova D, Bayandina G, Dyussebekova G //Assessment of competitiveness of regions of the Republic of Kazakhstan/ Insights into Regional Development, 2(1), 469-479. ISSN 2669-0195 (online) 2020 Volume 2 Number 1 (March)



## Faruza Zakirova, Candidate of Agricultural Sciences

Associate Professor of the Higher School of Veterinary Medicine and Biosafety, WKATU

### Contact

Institute of Veterinary Medicine and Animal Husbandry Higher School of Veterinary Medicine and Biosafety

**Tel.:** +77771846502

**E-Mail:** Faruza\_zakir@mail.ru

### Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, developer  
Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer  
Zakirova Faruza is a developer of module 4 “Transdisciplinary methods for sustainable agriculture” and module 2 “Crop and animal husbandry systems in the context of climate change”.



### Area of Expertise

Faruza Zakirova has been working in the field of higher education and science since 1993, has 28 years of teaching experience and research work. Teaches students of the specialty “Veterinary Medicine” in the disciplines “Internal non-infectious diseases with clinical diagnosis”, “Diseases of young animals”, undergraduates in the discipline “Modern problems of veterinary medicine”, doctoral students - “Treatment and prevention of diseases of farm animals”.

### Other Relevant Projects

- In 2012-2014, she was the executor of the scientific project of grant funding of the Ministry of Education and Science of the Republic of Kazakhstan “Improvement of breeding and productive qualities of Kazakh Bactrian camels in the conditions of the West Kazakhstan region”
- For the first time, she participates in the SAGRIS project on sustainable development of agriculture and agrosystems of the future within the framework of the international Erasmus+ program.

### Relevant Publications

- Bozymov K. K., Zakirova F.B., Dnekeshv A. K., Zhubantaev I.N. Analysis of the fodder base of the camel breeding farm of Khan’s Horde LLP // Mat. Rep. nauch.- practical conf. “Ivanovo readings - 2014”, dedicated to the 85th anniversary of the ved. uch. prof. M.M. Fartushina. -Uralsk, 2014. - pp.127-130.
- Zakirova F.B. Nutritional and medicinal properties of shubat // Science and education: Scientific.- practice. the journal of the Zhangir Khan ZKATU. - Uralsk, 2019. - № 2(55) . – Pp. 43-47.



## Nurgul Montayeva, PhD

Senior Lecturer, WKATU

### Contact

Faculty of Veterinary medicine and animal husbandry

Tel.: +77057037687

E-Mail: montayeva-n@mail.ru

### Role in the project

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”, developer

Nurgul Montayeva is a developer of Module 4 "Transdisciplinary research methods for sustainable agriculture".

### Area of Expertise

Nurgul Montayeva has experience in the field of education and consulting in the field of veterinary medicine and food safety, she also teaches disciplines: "Pathology of animals", "Pathological physiology". Has experience in participating in scientific and innovative projects through the Ministry of Education and Science of the Republic of Kazakhstan.

### Other Relevant Projects

- 2017-2020 "Rational technology of ceramdoor based on the processing of clay rocks for thermal insulation and structural concrete and road construction".

### Relevant Publications

- Montayeva N.S. Chemical-mineralogical and biological assessment of siliceous rock - flakes of the West Kazakhstan region in order to use them as a mineral additive and prevention of diseases of agricultural animals and birds//*Science and Education* 2019 - No. 1 (54). - pp. 301-306.
- Montayeva N.S. Prospects for the use of natural sorbents in the diets of farm animals as a leading factor in disease prevention and productivity increase (on the example of bentonite clays)//*Science and Education* 2019 - No. 1 (54). - pp. 295-300.
- Montayeva N. Analysis of properties of sheep wool and research of the possibility of their use in other spheres taking into account veterinary and sanitary requirements// *Science and Education*, 2020 –No.1-1 (58) -C. 128-134.





## A. Baitursynov Kostanay Regional University, ABKRU Kostanay, Kazakhstan



[www.ksu.edu.kz](http://www.ksu.edu.kz)



## Gulshat Shaikamal, Candidate of Agricultural Sciences

Acting Director of the Department of Science  
and Postgraduate Education, ABKRU

### Contact

V. Dvurechensky Agricultural Institute, Department of Science and  
Postgraduate Education

**Tel.:** +7 775 524 95 41

**E-mail:** gulshat\_kos@mail.ru

## Role in the project

SAGRIS Project Manager, Steering Committee and Quality Management

Gulshat Shaikamal - Project Manager and member of the Steering Committee. She is responsible for the overall coordination of project activities in ABKRU and project communication. Together with the project partners from the EU, Kazakhstan and Russia, she participates in the work of the Project Management and Quality Management Work Packages. As a member of the Quality Management Team, she also participates in quality assurance processes and procedures.

## Area of Expertise

Has experience in the field of animal husbandry. Experienced in attracting and managing projects in the field of food production, agricultural development and rural areas. More than 10 years of implementing research projects for the Ministry of Agriculture, Ministry of Education and Science of the Republic of Kazakhstan in the field of animal husbandry. Teaching disciplines: "Innovative technologies of production of livestock products", "Livestock and feeding of farm animals" on the bachelor's, master's and doctoral programs.

## Other Relevant Projects

- Sustainable Agriculture and Rural Development (SARUD). 2015-2018. EU Erasmus+ CBHE project with partners from EU, Kazakhstan and Russia
- Development and implementation of master programs on food safety, production and marketing of TRAD food products in Russia and Kazakhstan (TradPro). 2015-2018. EU Tempus project with partner universities from EU, Kazakhstan and Russia.

## Relevant Publications

- Beishova I. S., Ulyanov V. A., Papusha N., Belaya E. V., 2019: Features of Holstein Cattle Bred in Kazakhstan by the Polymorphic Genes of the Somatotropin Cascade. *Advances in Animal and Veterinary Sciences.* – V. 7(1). – P. 60-65
- Papusha N., Musaeva G., Kazhiyakbarova A., Beishova I. и др., 2020: Productive longevity of cows depending on the genotype of the growth Hormone Gene. *Eco. Env. & Cons.* – V. 26 (4) - P.447-451



## Oleg Benyukh, Candidate of Technical Sciences

Professor, ABKRU

### Contact

Department of Machines, Tractors and Vehicles

**Tel.:** +7 7142 55 84 96

**Fax:** +7 7142 55 84 96

**E-Mail:** beolan@mail.ru



### Role in the project

Module 1 “SMART agriculture and digitalization”, developer

Oleg Benyukh participates in the development of submodules 1.1 “Resource-efficient approaches for sustainable agriculture” and “1.3 Management Information Systems” together with colleagues from Novosibirsk, Almaty and Uralsk.

### Area of Expertise

Oleg Benyukh teaches a number of disciplines such as Engineering Design, for bachelors, masters and PhD students of the specialty “Agricultural engineering and technology” for 20 years. He is an active expert of the Kazakhstan Independent Agency for Quality Assurance in education (IQAA).

### Relevant Publications

- Some questions about the use of wind turbines in water supply systems / 2015 : LAP LAMBERT Academic Publishing, Germany, ISBN 978-3-659-66062-7, p 101
- V.Kushnir, O.Benyukh, A.Kushnir. Optimal Operation of the Water-lifting Unit in Determining the Water Flow in the Water Source / 2016: Procedia Engineering, ISSN: 1877-7058, pp 1137–1142.
- V.Kushnir, O.Benyukh, S.Kim. Definition of Rational Modes of Use of Marginal Dug-Out Wells / 2020: Lecture Notes in Mechanical Engineering, Proceedings of the 5th International Conference on Industrial Engineering (ICIE 2019)v.1, ISBN 978-3-030-22041-9, pp 41-48.



## Beibit Kaliyev, Master of Technical Sciences Senior Lecturer, ABKRU

### Contact

Engineering and technical institute named after A. Aitmukhambetov  
Department of Mechanical Engineering

**Tel .:** +7 7142 55 85 80

**Tel .:** +7 701 541 05 86

**E-Mail:** kaliyevb@mail.ru



### Role in the project

Module 1 “SMART agriculture and digitalization”, developer

Responsible for the development and implementation of the module, ensuring sustainability and network cooperation on third-cycle education issues.

### Area of Expertise

Has experience in the field of technical sciences. Master of Technical Sciences in the field of agricultural machinery. Teaching disciplines: "Machine Theory", "Computer Technologies for Solving Tasks" undergraduate. Has 10-years experience of training, consulting and teaching work in the field of agriculture and engineering.

### Relevant Publications

- Bolat E.B, Kaliyev B.K, Epifanova S.V, 2021: Improving the quality of higher education through the introduction of digital learning technologies in the project "SAGRIS". Generation of independence: valuable landmarks and prospects of international scientific-practical conference students and undergraduates - Kostanay: KRU named after A. Baitursynov. 212-214 p.





## Indira Aitzhanova, PhD

Senior lecturer, Chief Specialist of the  
Department of Science and Postgraduate  
Education, ABKRU

### Contact

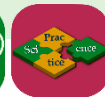
V. Dvurechensky Agricultural Institute  
Department of Science and Postgraduate Education  
**Tel.:** +7 702 797 2638  
**E-Mail:** [www.indira.rz@mail.ru](mailto:www.indira.rz@mail.ru)

## Role in the project

Module 2 “Crop and Livestock Systems under Climate Change”, Scientific  
Lead in Kazakhstan

Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”,  
developer

Module 2 leader at ABKRU, developer of Module 4 subtopic "Transdisciplinary Research Methods for Sustainable Agriculture" . She is a member of the Working Group of the Networking Package.



## Area of Expertise

Indira Aitzhanova has experience in education and consulting in the field of animal husbandry, she teaches undergraduate and graduate courses in animal husbandry and biotechnology and has experience in implementing research projects for the Ministry of Agriculture, Ministry of Education and Science of the Republic of Kazakhstan in the field of animal husbandry.

## Other Relevant Projects

- Development and implementation of master programs on food safety, production and marketing of TRAD food products in Russia and Kazakhstan (TradPro). 2015-2018. EU Tempus project with partner universities from EU, Kazakhstan and Russia.

## Relevant Publications

- Feeding specifics of young cattle of different meat races fattened in the Kostanay region in Kazakhstan. XLV Scientific Session of Group of Animal Nutrition KNZ PAN, Olsztyn, 21-22 June, 2016
- Properties of bovine colostrum and the possibilities of use. Polish annals of medicine. – 2017. – № 24(2). – P.295-299
- Basic and mineral composition of colostrums from cows in different ages and caving period. Journal of Elementology, 22(1): 259-269. DOI:10.5601/jelem.2016.21.2.1159. ISSN 1644-2296, P.259-269
- Fattening performance of bulls of three breeds fattened semi-intensively in the Kostanay region. OnLine Journal of Biological Sciences 2017, 17 (3): 157.165 DOI: 10.3844/ojbsci.2017.157.165



## Gulnara Yunussova, Candidate of Technical Sciences

Acting Head of the Department, ABKRU

### Contact

V. Dvurechensky Agricultural Institute, Department of Biology, Ecology and Chemistry

**Tel.:** +7 701 648 3572

**E-Mail:** gulnara\_yun@mail.ru

### Role in the project

Module 2 "Crop and Livestock Systems under Climate Change", module lead at ABKRU

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture", developer

Lead of Module 4 "Transdisciplinary research methods for sustainable agriculture" from ABKRU, develops subtopics 2 and 4.

Developer of Module 2 "Crop and Livestock Production Systems under Climate Change" subtopics 3, 4. As a member of the Quality Management Group, and is also involved in quality assurance of the project.



### Area of Expertise

Environmental education, sustainable development of enterprises and regions, assessment and regulation of natural resources and is experienced in developing and teaching interdisciplinary and interdisciplinary courses in ecology, climate change, sustainable development, food security.

### Other Relevant Projects

- Development of competencies of Central Asian Universities in the field of Agrarian Policy on Environment and Land Use (ECAP). 2019-2021. EU Erasmus + CBHE project with partners from EU, Kazakhstan and Russia
- Lifelong learning for sustainable development (SUSDEV). 2021-2024. EU Erasmus + CBHE project with partners from EU, Kazakhstan and Russia

### Relevant Publications

- Yunussova G., Mosiej J., 2016: Transboundary water management priorities in Central Asia countries – Tobol River case study in Kazakhstan. Journal of Water and Land Development. DOI: 10.1515/jwld-2016-0047
- Yunussova G.B. 2019: Learning in a Changing World: Green Skills. Proceedings of the IV International Scientific and Practical Conference 'Safety and Quality of Agricultural Raw Materials and Food. Managing green skills in the food industry'. Moscow : RSAU - K.A. Timiryazev MAA. - p. 360-364



## Lyazzat Seleuova, PhD

Senior Lecturer, ABKRU

### Contact

V. Dvurechensky Agricultural Institute, Department of Livestock Production  
Technology

**Tel.:** +7 707 663 04 44

**E-Mail:** lyazzat-seleuova@mail.ru



### Role in the project

Module 3 “Advanced Methods of Scientific Working”, developer

Responsible for the development and implementation of Module 3 within the department, sustainability and networking for third cycle education quality assurance, quality control plan - internal and external peer review of the project.

### Area of Expertise

Teaching courses in agriculture and biotechnology. Research interests: mycology and productive horse breeding. She has 8 years of experience in research projects for the Ministry of Agriculture, Ministry of Education and Science of the Republic of Kazakhstan in the field of microbiology and animal breeding.

### Relevant Publications

- Seleuova L.A., Naimanov DK, Jaworski Z, Aubakirov MZH, Mustafin MK, Mustafin BM, Safronova OS, Baktybaev GT, Turabaev AT, Domatski VN., 2018: Population genetic characteristic of horses of Mugalzhар breed by STR marker. Biomedical Research, ISSN 0970-938X, 29 (18): 3508-3511.
- Seleuova L.A., Brel-Kiseleva I.M., Safronova O.S., 2017: Current state and prospects of development of breeding horse breeding in the Republic of Kazakhstan. Materials of the international scientific-practical conference SCIENCE WITHOUT BORDERS, - Sheffield, UK, - p. 99-103.
- Seleuova L.A., Naimanov D.K., Brel-Kiseleva I.M. Effective methodology of evaluation and prediction of live weight of horses of the Mugalzhар breed // International scientific and practical conference "Modern problems of animal breeding" dedicated to the memory of Doctor of Agricultural Sciences, Professor Bakytzhan Muslimovich Muslimov, - Kostanai, 2018, - P. 472-475.



**Olga Mikhailova, Master of Economics**  
Leading Specialist of the Department of  
Strategy and Monitoring of Education Quality,  
ABKRU

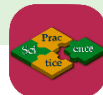
### Contact

Department of Strategy and Monitoring of Education Quality

**Tel.:** +7 7775081500

**Tel.:** +7 9649258215

**E-Mail :** z0rg2@mail.ru



### Role in the project

Module 4 "Transdisciplinary Research Methods for Sustainable Agriculture",  
developer

Responsible for the development and implementation of modules, ensuring sustainability. She works on subtopics 2 and 3.

### Area of Expertise

Olga Mikhailova has been teaching a number of disciplines, such as "Mathematical modelling in agriculture", "System analysis" in undergraduate, graduate and doctoral programs for more than 20 years. She specializes in monitoring the quality of education in Kazakhstan.

### Relevant Publications

- Doschanova A.I., Ismuratova G.S., Mikhailova O.V. 2021: Using transdisciplinary research methods to improve sustainability in agriculture.- Tyumen: TIU. 605-618 c.