

Programme of the 26th NJF Congress: Agriculture for the next 100 years
27th – 29th of June 2018
Aleksandras Stulginskis University

PLENARY SECTION

27th of June 2018

- 10:00 – 12:00** Ceremony hall of ASU
Chairperson **Linus STABINGIS**
- 10:00 – 10:20** ***Opening ceremony and welcome words***
prof.dr. Antanas Maziliauskas, Rector of ASU; Viktoras Pranckietis, Speaker of Parliament of the Republic of Lithuania; Fredrik Fogelberg, President of NJF; Giedrius Surplys, Minister of Agriculture and other invited guests
- 10:20 – 10:40** ***NJF from 2018 until now and in the future***
Fredrik Fogelberg, President of NJF, Sweden
- 10:40 – 11:00** ***Research and innovation in agriculture: from the past to the future***
Prof. dr. Antanas Maziliauskas, Aleksandras Stulginskis University, Lithuania
- 11:00 – 11:30** ***The CAP after 2020 – the road ahead***
Prof. Alan Matthews, Trinity College, Ireland
- 11:30 – 12:00** ***Nordic-Baltic collaboration to boost plant breeding for the future climate***
Dr. Gintaras Brazauskas, Lithuanian Research Centre for Agriculture and Forestry, Lithuania

27th of June 2018

I section

SUSTAINABILITY OF AGROECOSYSTEMS

Length of presentation and discussion – 20 minutes

- 13:30 – 15:00** Ceremony hall of ASU
Chairperson **Svein SKØIEN**
- 13:30 – 14:00** ***Rural Territories as Space for Sustainable and Smart Development***
Prof. Baiba Rivza, Latvia University of Life Sciences and Technologies, Latvia
- 14:00 – 14:30** ***Sustainability of Agroecosystem and Carbon Sequestration as Effect of Long-term Measures***
Prof. Vaclovas Bogužas, Aleksandras Stulginskis University, Lithuania
- 14:30 – 15:00** ***Food Security in Norway – Legitimacy and Policy Design***
Sjur Spildo PRESTEGARD, Norwegian Institute of Bioeconomy Research (NIBIO), Norway

SESSIONS OF THE SECTIONS

28th of June, 2018 Central building of ASU

I section SUSTAINABILITY OF AGROECOSYSTEMS

Length of presentation and discussion – 20 minutes

8:30 – 10:10

Chairperson

503 auditorium

Fredrik FOGELBERG

- 1 **Iris DAHLIN, Velemir NINKOVIC**
4 CULTIVAR MIXTURE – A MULTIFUNCTIONAL CROPPING SYSTEM LINKING PLANT-PLANT AND PLANT-INSECT INTERACTIONS
- 2 **Anne Kjersti UHLEN, Shiori KOGA, Katherine Ann Gredvig NIELSEN, Heidi Udnes AAMOT, Ulrike BÖCKER, Eva VEISETH-KENT, Ingerd Skow HOFGAARD**
83 INVESTIGATING ENVIRONMENTAL FACTORS CAUSING VARIATION IN GLUTEN QUALITY
- 3 **Rita ARMONIENĖ, Gintaras BRAZAUSKAS, Aakash CHAWADE**
50 BALTICWHEAT NETWORK FOR SUSTAINABLE WHEAT PRODUCTION IN THE BALTIC SEA REGION
- 4 **Biruta BANKINA, Gunita BIMŠTEINE, Ingrīda Neusa-Luca, Antons RUŽA**
075 DEVELOPMENT OF WINTER WHEAT DISEASES DEPENDING ON AGRONOMIC PRACTICE
- 5 **Renaldas ŽYDELIS, Lutz WEIHERMÜLLER, Michael HERBST, Anne KLOSTERHALFEN, Sigitas LAZAUSKAS**
066 SIMULATION OF GRAIN MAIZE DEVELOPMENT UNDER WATER AND TEMPERATURE STRESS

28th of June, 2018 Central building of ASU

I section SUSTAINABILITY OF AGROECOSYSTEMS

Length of presentation and discussion – 20 minutes

10:40 – 12:20

Chairperson

503 auditorium

Virginijus FEIZA

- 1 **Hannele PULKKINEN, Jouni NOUSIAINEN, Juha-Matti KATAJAJUURI**
155 NEED FOR MORE DETAILED GREENHOUSE GAS EMISSION MODELS TO ESTIMATE CARBON FOOTPRINTS OF AGRICULTURAL PRODUCTS
- 2 **Kaspars Naglis-LIEPA, Dina POPLUGA, Arnis LENERTS, Dzidra KREISMANE, Peteris RIVZA**
027 MARGINAL ABATEMENT COST CURVES IN ANALYSING GHG EMISSIONS FROM AGRICULTURAL HOLDINGS IN LATVIA: THE CLUSTER APPROACH
- 3 **Barbro ULÉN, Elisabet LEWAN, Katarina KYLLMAR, Maria BLOMBERG, Stefan ANDERSSON**
102 IMPACT OF NORTH ATLANTIC OSCILLATION ON SWEDISH WINTER CLIMATE AND NUTRIENT LEACHING FROM ARABLE LAND
- 4 **Jūratė ALEINIKOVIENĖ, Jakub HOFMAN, Kęstutis ARMOLAITIS**
167 SOIL BIOLOGICAL PROPERTIES IN AGRICULTURAL AND FOREST ECOSYSTEMS
- 5 **Dagnija LAZDINA, Sarmīte RANCĀNE, Andis BĀRDULIS, Arta BĀRDULE, Kristaps MAKOVSKIS, Mudrīte DAUGAVIETE**
099 DEMO AGROFORESTRY SYSTEMS OF TREES AND PERENNIAL GRASSES

28th of June, 2018 Central building of ASU

I section
SUSTAINABILITY OF AGROECOSYSTEMS

Length of presentation and discussion – 20 minutes

13:30 – 15:10

503 auditorium

Chairperson

Oiva NIEMELÄINEN

- 1 **Virginijus FEIZA, Dalia FEIZIENE, Aleksandras VELYKIS, Danutė KARČAUSKIENE, Jonas VOLUNGEVIČIUS, Antanas SATKUS, Mykola KOCHIERU**
060 CAPABILITY OF TILLAGE PRACTICES FOR WATERLOGGING RISK REDUCTION IN TWO SOIL TYPES OF GLACIAL GENESIS
- 2 **Aleksandras VELYKIS, Antanas SATKUS**
021 LONG –TERM IMPACT OF REDUCED TILLAGE UNDER CLAYEY SOIL CONDITIONS IN NORTHERN LITHUANIA
- 3 **Danutė KARČAUSKIENĖ, Regina REPŠIENĖ, Dalia AMBRAZAITIENĖ, Regina SKUODIENĖ, Ieva JOKUBAUSKAITĖ, Žilvinas KRYŽEVIČIUS**
077 CHANGES IN THE MAIN HEALTH INDICATORS OF A RETISOL UNDER DIFFERENT MANAGEMENT HISTORY
- 4 **Dalia FEIZIENE, Virginijus FEIZA, Agne VERSULIENE, Daiva JANUSAUSKAITE, Sarunas ANTANAITIS**
058 INFLUENCE OF LONG-TERM TILLAGE AND RESIDUE MANAGEMENT ON TOPSOIL QUALITY IN SOILS WITH DIFFERENT TEXTURE
- 5 **Aldis KARKLINS**
114 INTERNATIONALIZATION OF SOIL CLASSIFICATION – OBJECTIVES AND POSSIBILITIES

29th of June, 2018 Central building of ASU

I section
SUSTAINABILITY OF AGROECOSYSTEMS

Length of presentation and discussion – 20 minutes

9:00 – 11:00

503 auditorium

Chairperson

Vaclovas BOGUŽAS

- 1 **Till SEEHUSEN, Anne Kjersti UHLEN**
143 YIELD GAP IN NORWAY - AGRONOMIC KNOWLEDGE FOR INCREASED CEREAL PRODUCTION BASED ON NORWEGIAN RESSOURCES
- 2 **Rimantas VELIČKA, Aušra MARCINKEVIČIENĖ, Rita PUPALIENĖ, Marina KEIDAN, Lina Marija BUTKEVIČIENĖ, Zita KRIAUCIŪNIENĖ, Robertas KOSTECKAS, Sigitas ČEKANAUSKAS**
128 THE EFFECT OF NON-CHEMICAL WEED CONTROL METHODS ON WINTER OILSEED RAPE CROP WEEDINESS AND PRODUCTIVITY
- 3 **Livija ZARINA, Liga ZARINA, Dace. PILIKSERE, Jevgenija NAČAJEVA**
151 CONTROL OF PERENNIAL WEEDS IN SPRING CEREALS THROUGH CROPPING SYSTEM
- 4 **Jere KAIVOSOJA, Oiva NIEMELÄINEN, Jussi NIKANDER, Markku KOISTINEN, Mikko LAAJALAHTI, Niko VILJANEN, Eija HONKAVAARA, Roope NÄSI, Teemu HAKALA**
024 DEVELOPING DRONE IMAGING BASED METHODOLOGIES FOR APPLICATIONS IN GRASS SWARD MANAGEMENT
- 5 **Nijolė MARŠALKIENĖ**
87 PROTEIN CONTENT VARIATION IN GRASS OF SPONTANEOUS VETCH AND SWEET PEA SPECIES
- 6 **Una ĪLE, Aija ZIEMEĻNIECE**
79 THE LANDSCAPE SPACE OF THE HISTORIC CENTER OF AIZPUTE

27th of June, 2018 Central building of ASU

II section
BIOECONOMY AND INNOVATIONS

Length of presentation and discussion – 20 minutes

15:30 – 17:10

Ceremony hall of ASU

Chairperson

Arvydas POVILAITIS

- 1 **Vilija ALEKNEVIČIENĖ, Vlada VITUNSKIENĖ**
160 BIOECONOMY DEVELOPMENT IN LITHUANIA: TENDENCIES AND DRIVERS
- 2 **Aldona ZAWOJSKA, Tomasz SIUDEK**
062 THE PATH TO BALANCED RURAL DEVELOPMENT IN THE VISEGRAD AND NORDIC-BALTIC COUNTRIES OF THE EUROPEAN UNION
- 3 **Vilma ATKOČIUNIENĖ, Alvydas ALEKSANDRAVIČIUS**
000 RESILIENT FARMING SYSTEMS AND FARMERS MARKET DIFFERENTIATION
- 4 **Agnar HEGRENES, Leif Jarle ASHEIM**
147 MODERN LIVESTOCK POLICY IN NORWAY
- 5 **Heldur PETERSON**
000 THE LIVONIAN PUBLIC WELFARE AND ECONOMIC SOCIETY - ONE OF THE OLDEST OF ITS KIND IN EUROPE

28th of June, 2018 Central building of ASU

II section
BIOECONOMY AND INNOVATIONS

Length of presentation and discussion – 20 minutes

8:30 – 10:10

505 auditorium

Chairperson

Kęstutis NAVICKAS

- 1 **Lise GRØVA, Boris FUCHS, Emma BRUNBERG, Unni Støbet LANDE, Kristin SØRHEIM, Svein Olav HVASSHOVD, Solveig Marie STUBSJØEN**
019(1) SENSOR TECHNOLOGY TO DETECT TICK-BORNE FEVER IN SHEEP ON RANGE PASTURE?
- 2 **Emma BRUNBERG, Lise GRØVA, Emma EYTHÓRSDÓTTIR, Ólafur DÝRMUNDSSON**
019(2) CAN THE ALERTNESS OF ICELANDIC LEADERSHEEP HELP TO PROTECT SHEEP FLOCKS AGAINST PREDATORS?
- 3 **Katriina HEINOLA, Maria RÖNNQVIST, Ville VÄLTILÄ, Pirkko TUOMINEN, Jarkko NIEMI**
156 COSTS AND BENEFITS OF PIG FEED SALMONELLA CONTROL PROGRAMME IN FINLAND
- 4 **Nurettin GÜLŞEN, Muhammad Naeem TAHIR, Huzur Derya ARIK, Mustafa Selcuk ALATAS**
037 EFFECTS OF MONOCULTURES OF *E. CAUDATUM* AND *M. ELSDENII* INOCULATION ON *IN VITRO* FERMENTATION, METHANE PRODUCTION AND PREVENTION OF SUB-ACUTE RUMINAL ACIDOSIS
- 5 **Timo LÖTJÖNEN, Arto HUUSKONEN**
080 TRITICALE, BARLEY AND WHEAT AS A RAW MATERIAL OF WHOLE-CROP SILAGE

28th of June, 2018 Central building of ASU

II section
BIOECONOMY AND INNOVATIONS

Length of presentation and discussion – 20 minutes

11:40 – 12:20

505 auditorium

Chairperson

Oliver SADA

- 1 **Arvydas POVILAITIS, Jolanta MATIKIENĖ, Rasa VISMONTIENĖ**
124 DENITRIFICATION BIOREACTORS – A METHOD FOR REDUCING NITRATE FROM TILE DRAINAGE WATER
- 2 **Mart HOVI, Alo ALLIK, Artis TEILĀNS, Külli HOVI, Andres ANNUK**
157 MATHEMATICAL MODELLING OF THE ENERGY BALANCE FOR THE TREATMENT OF SOLID BIOMASS FUEL BY COMPRESSING
- 3 **Anders LARSOLLE, Daniel NILSSON, Nils-Erik NORDH, Per-Anders HANSSON**
142 DYNAMIC MODELLING OF YEAR-ROUND BIOENERGY DELIVERY OF SHORT ROTATION COPPICE WILLOW
- 4 **Alastair WARD**
146 PILOT SCALE CONTINUOUS THERMAL HYDROLYSIS OF ORGANIC WASTES FOR INCREASED BIOGAS PRODUCTION
- 5 **Sven BERNESSON, Serina AHLGREN**
100 TRANSPORT FUELS VIA BLACK LIQUOR GASIFICATION - AN ANALYSIS OF CLIMATE IMPACT WITH LIFE-CYCLE ASSESSMENT METHODOLOGY
- 6 **Jalal KAFASHAN**
026 MEHATRONICS APPLICATIONS IN AGRICULTURAL WORLD

28th of June, 2018 Central building of ASU

II section
BIOECONOMY AND INNOVATIONS

Length of presentation and discussion – 20 minutes

13:30 – 15:10

505 auditorium

Chairperson

Agnar HEGRENES / proposal of Scientific Committee not confirmed by person jet

- 1 **Aksel MÕTTUS, Einar MIKSON, Oliver SADA**
162 THE DEVELOPMENT OF ERGONOMIC LIVESTOCK TECHNOLOGY IN OPTIMAL CONDITIONS FOR LIGHT INDUSTRIAL COMPANIES
- 2 **Lasma CIELAVA, Daina JONKUS, Sandija ZĒVERTE-RIVŽA, Baiba RIVŽA**
085 DAIRY COW LONGEVITY IN VOLUNTARY MILKING SYSTEM
- 3 **Oliver SADA, Arvo LEOLA**
159 AUTOMATIC TECHNOLOGY TRENDS IN ESTONIA DAIRY FARMS
- 4 **Jalal KAFASHAN**
000 DEVELOPMENT TREND OF APPLES SORTING MACHINES IN THE WORLD
- 5 **Kirsty MCKINNON, Reidun POMMERESCHE, Kristin SØRHEIM, Sissel HANSEN, Ola SVAN, Erland BJÖRKLUND**
148 SAFE RECYCLING OF HORSE MANURE FOR AGRICULTURAL PURPOSES

29th of June, 2018 Central building of ASU

II section
BIOECONOMY AND INNOVATIONS

Length of presentation and discussion – 20 minutes

9:00 – 11:00

Chairperson

505 auditorium

Vilija ALEKNEVIČIENĖ

- 1 **Daniel NILSSON, Håkan ROSENQVIST**
106 CHARACTERIZATION OF MARGINAL AGRICULTURAL FIELDS IN SWEDEN - AREAS, SHAPES, LOCATIONS, TRANSPORT DISTANCES AND TIME DEMAND FOR MACHINE OPERATIONS
- 2 **Agnė MIKELIONIENĖ, Danutė VAIČIUKYNIENĖ, Algirdas RADZEVIČIUS, Aras KANTAUTAS**
164 REMOVAL OF AMMONIUM IONS BY USING ZEOLITIC WASTES
- 3 **Jarkko NIEMI, Gun WIRTANEN, Ilkka LATOMÄKI, Maija KARHAPÄÄ, Antti PASILA, Risto LAUHANEN, Seliina PÄÄLLYSAHO**
026 INSECTS A POTENTIAL PROTEIN SOURCE FOR FEED OR FOOD
- 4 **Fredrik FOGELBERG**
017 THE HORTICULTURE HERITAGE OF THE SWEDISH STATE RAILWAY - A BASIS FOR A GREENER ENVIRONMENT IN PUBLIC TRANSPORTATION
- 5 **Alina DANILOWSKA**
061 CREDIT SUPPORT FOR AGRICULTURAL LAND PURCHASE IN POLAND - EVOLUTION AND PERFORMANCE
- 6 **Linas STABINGIS, Daiva RIMKUVIENĖ**
000 ENTREPRENEURIAL INTENTION AMONG STUDENTS OF BALTIC REGION

POSTER SESSION

28th of June, 2018 Central building of ASU

I section
SUSTAINABILITY OF AGRO-ECOSYSTEMS

15:10 – 16:30

5th floor lobby

- 1 **Aida ADAMAVIČIENĖ, Sidona BURAGIENĖ, Kęstutis ROMANECKAS, Egidijus ŠARAUSKIS, Vita SMALSTIENĖ, Rita ČEPULIENĖ**
116(1) RELATIONS BETWEEN SOIL PROPERTIES AND CO₂ GAS EMISSIONS FROM DIFFERENTLY TILLED MAIZE CULTIVATION
- 2 **Aleksandrs ADAMOVICS, Irina SIVICKA**
110(1) AGROECONOMIC EVALUATION OF AROMATIC AND MEDICINAL PLANTS USED FOR THE ENRICHMENT OF GRASSLANDS
- 3 **Aleksandrs ADAMOVICS, Rasma PLATAČE, Skaidrite BUMANE**
110(2) ANALYSIS OF MOISTURE CONTENT AND GROSS CALORIFIC VALUE IN THE MIXTURES OF GRASS AND TIMBER BIOMASS FOR PRODUCTION OF SOLID FUEL
- 4 **Vita ALLE, Anita OSVALDE, Uldis KONDRATOVICS, Mara VIKMANE**
018 INFLUENCE OF LEAD ACCUMULATION ON PHYSIOLOGICAL PARAMETERS AND MINERAL ELEMENT (Mg, Fe, Mn) UPTAKE IN CROP PLANTS
- 5 **Rita ČEPULIENĖ, Zita KRIAUCIŪNIENĖ, Simonas MEŠKAUSKAS, Sandra JUCEVIČIŪTĖ**
116(2) ALLELOPATHIC INFLUENCE OF WINTER OILSEED RAPE RESIDUES WITH BIO-PREPARATIONS ON GERMINATION OF *SINAPIS ARVENESIS* L.
- 6 **Maciej CHOWANIAK, Marcin NIEMIEC, Krzysztof MUDRYK, Jakub SIKORA, Anna SZELĄG-SIKORA, Monika KOMOROWSKA**
145(1) ASSESSMENT EFFICIENCY OF SLOW-RELEASE FERTILIZERS IN INTEGRATED PRODUCTION OF CARROT DEPENDING ON TYPE FERTILIZERS
- 7 **Maciej CHOWANIAK, Marcin NIEMIEC, Krzysztof MUDRYK, Jakub SIKORA, Anna SZELĄG-SIKORA, Monika KOMOROWSKA**
150 ASSESSMENT OF THE PESTICIDES USAGE IN SELECTED FARMS CERTIFIED WITH INTEGRATED PRODUCTION

- 8 **Ólafur R. DÝRMUNDSSON**
022 CHALLENGES AND PROSPECTS OF ORGANIC AGRICULTURE IN ICELAND
- 9 **Viktorija GECAITĖ, Aušra ARLAUSKIENĖ**
103 PERENNIAL LEGUMES FOR PLANT NUTRITION IN ORGANIC AGRICULTURE
- 10 **Oleg GORYANIN, Alexey VASIN, Sergey SHEVCHENKO, Elena SHCHERBININA, Baurzhan DZHANGABAYEV**
064 PRODUCTIVE SOIL FERTILITY UNDER SPRING WHEAT DIRECT SEEDING IN THE ENVIRONMENT OF EUROPEAN PART OF RUSSIA
- 11 **Birger HJELM, Tord JOHANSSON, SLU, Per-Ove PERSSON**
149 EVALUATION OF FERTILIZATION EFFECT AT PRODUCTION OF STUMP SHOOTS IN POPLAR STANDS
- 12 **Hannes KECK, Achim GRELLE, Katharina MEURER**
023 A RELAXED EDDY ACCUMULATION SYSTEM TO MEASURE GREENHOUSE GAS FLUXES FROM AGRICULTURAL ECOSYSTEMS
- 13 **Mykola KOCHIERU, Virginijus FEIZA, Dalia FEIZIENĖ, Alvyra ŠLEPETIENĖ, Jonas VOLUNGEVIČIUS**
016 CO₂ EFFLUX FROM THE SOIL AS INFLUENCED BY THE CONTRASTING VEGETATION COVER AND MANAGEMENT CONDITIONS IN RETISOL
- 14 **Nijolė MARŠALKIENĖ, Liuda ŽILĖNAITĖ, Birutė KARPAVIČIENĖ**
087 SEED COMPOSITION OF DIFFERENT CAMELINA SATIVA AND CRAMBE ABYSSINICA CULTIVARS
- 15 **Anna MÅRTENSSON**
013 NUTRIENT BALANCES AND FERTILIZER USE EFFICIENCY BY SWEDISH VINEYARDS
- 16 **Marcin NIEMIEC, Barbara FILIPEK-MAZUR, Maciej CHOWANIAK, Monika TABAK, Monika KOMOROWSKA**
145(2) CONTENT OF HEAVY METALS IN FODDER FROM SWARD OF GRASSES AND LEGUMES FROM SELECTED ORGANIC FARMS IN POLAND AS A CRITERION
- 17 **Asta RAMAŠKEVIČIENĖ**
168 BARLEY, PEA AND BEAN ROOTS FORMATION UNDER DIFFERENT CULTIVATION CONDITIONS
- 18 **Lina SKINULIENĖ, Vaclovas BOGUŽAS, Jūratė ALEINIKOVIENĖ, Vaida STEPONAVIČIENĖ, Aušra SINKEVIČIENĖ**
123(1) EFFECT OF 50-YEAR CROP ROTATION ON CARBON STOCKS
- 19 **Lina SKINULIENĖ, Vaclovas BOGUŽAS, Lina Marija BUTKEVIČIENĖ, Ingė AUŽELIENĖ**
123(2) INFLUENCE OF LONG-TERM CROP ROTATION TO WINTER AND SPRING CROP PRODUCTIVITY
- 20 **Merili TOOM, Enn LAURINGSON, Liina TALGRE, Sirje TAMM, Lea NARITS**
041 THE EFFECT OF SOWING DATE ON COVER CROP BIOMASS PRODUCTION
- 21 **Vasily VASIN, Alexey VASIN, Irina KOSHELEVA**
068 PHOTOSYNTHETIC ACTIVITY INDICATORS AND YIELD POTENTIAL OF CORN HYBRIDS WITH MINERAL NUTRITION AND GROWTH STIMULATORS
- 22 **Ivo VOOR, Viacheslav EREMEEV, Maarika ALARU, Evelin LOIT**
030 THE YIELD OF field PEA, NITROGEN USE EFFICIENCY AND LEACHING

28th of June, 2018 Central building of ASU

II section BIOECONOMY AND INNOVATIONS

15:10 – 16:30

5th floor lobby

- 1 **Anna ANDERSONE, Alexander ARSHANITSA, Sarmite JANCEVA, student Kristaps MAKOVSKIS, Dagnija LAZDINA**
082 BIOMASS OF SOFTWOOD AND HARDWOOD TREES GROWING ON AFORESTATED FARM OR DEGRADED LANDS FOR BLENDED FUEL PELLETS PRODUCTION
- 2 **Katarina ARVIDSSON SEGERKVIST, Anders KARLSSON, Jan HULTGREN**
104(2) IS SLAUGHTER AT A MOBILE ABATTOIR BENEFICIAL FOR MEAT QUALITY
- 3 **Örjan BERGLUND, Kerstin BERGLUND**
072 EFFECTS OF FOUNDRY SAND ADDITION ON TRAFFICABILITY, YIELD AND CO₂ EMISSION FROM A CULTIVATED PEAT SOIL
- 4 **Alexey BOBRYSHV**
078 ESSENCE AND PECULIARITIES OF MONITORING OF SOCIO-ECONOMIC AND SPATIAL DEVELOPMENT OF THE REGION
- 5 **Madara DARGUŽA, Zinta GAILE**
073 WHEAT YIELD AND ENERGY PRODUCED BY IT

- 6 **Tlektes ESPOLOV, Asan BAIBOLOV, Yerbol SARKYNOV, Algirdas RADZEVICIUS, Dana TUNGATAR**
154 RESULTS OF TESTS OF LABORATORY INSTALLATION of MICROHPP
- 7 **Daiga GĀLIŅA, Anda VALDOVSKA**
025 CHALLENGE OF THE PROBIOTICS ON GROWTH PERFORMANCE AND INTESTINAL HEALTH IN PIGLETS
- 8 **Vitaly GRINCHENKO, Maxim MASTEPANENKO, Sergei PIVOVAROV, Zalim GUKEPSHEV**
071 CONTROL OF TRANSIENT PROCESSES IN MILKING MACHINES
- 9 **Lise GRØVA, Inger Anne BOMAN**
019(3) WOOL QUALITY OF NORWEGIAN WHITE SPÆL SHEEP BREED
- 10 **Aija ILGAZA, Dace KEIDANE, Gita OZOLA**
056 IVERMECTIN RESISTANCE OF HORSE DIGESTIVE STRONGYLES
- 11 **Ismail ISMAILOV, Anna MORGUNOVA, Nina TREGUBOVA, Elena GRUDEVA**
038 TECHNOLOGY DEVELOPMENT OF PROTEIN-FAT EMULSION AND ITS USE IN FOOD PRODUCTION
- 12 **Daina JONKUS, Lāsma CIELAVA, Solvita PETROVSKA**
086 THE CHANGES OF MILK PRODUCTIVITY AND QUALITY OF LATVIAN LOCAL BREED DAIRY COWS
- 13 **Sintija JONOVA, Aija ILGAŽA, Inga GRĪNFELDE, Maksims ZOLOVS**
007 IMPACT OF THE FLOUR OF JERUSALEM ARTICHOKE ON PRODUCTION OF METHANE AND CARBON DIOXIDE AND WEIGHT GAIN IN CALVES'
- 14 **Laima LIEPA, Jurijs BRENTE**
069 CORRELATION BETWEEN DAIRY COWS' RUMINATION ACTIVITY, PRODUCTIVITY INDICES AND HEALTH
- 15 **Alexander LYSAKOV, Gennady NIKITENKO, Evgeny KONOPLEV, Vitaly GRINCHENKO, Anastasia CHAPLITSKAYA, Yaroslav TARASOV, Igor DEVEDERKIN**
055(1) THE RESULTS OF STUDIES OF THE CLEANING DEGREE OF AN ELECTROSTATIC AIR CLEANER
- 16 **Alexander LYSAKOV, Gennady NIKITENKO, Evgeny KONOPLEV, Vitaly GRINCHENKO, Larisa KIRINA, Yaroslav TARASOV, Igor DEVEDERKIN**
55(2) ELECTROPHYSICAL WAYS TO REDUCE POTATO LOSSES
- 17 **Maarit MÄKI, Elna HIRVISALO, Heikki ROININEN, Jaana SORJONEN, Pertti MARNILA, Nora PAP, Bengt LINDQVIST, Maija KARHAPÄÄ, Maria TUISKULA-HAAVISTO, Hilka SILJANDER-RASI**
081 CHEMICAL AND MICROBIOLOGICAL QUALITY OF TENEBRIO MOLITOR AND THEIR POTENTIAL FEED
- 18 **Bartosz MICKIEWICZ**
051 CONFLICTS IN BALTIC FISHERIES
- 19 **Elin STENBERG, Viktoria OLSSON, Karin WENDIN, Anders KARLSSON, Katarina ARVIDSSON SEGERKVIST**
104(1) HOW FOUR TYPICAL SWEDISH PRODUCTION SYSTEMS FOR LAMBS AFFECT SENSORY ATTRIBUTES OF THE MEAT
- 20 **Vladimir TRUKHACHEV, Eugene CHERNOBAY, Sergey OLEYNIK, Vasilij MOROZ, Tatyana ANTONENKO**
166 SELECTED METHODS OF FORMATION DESIRABLE PHENOTYPE OF DIFFERENT SHEEP BREEDS
- 21 **Vladimir TRUKHACHEV, Oliinyk SERHII, Nikolai ZLYDNEV, Vitaly MOROZOV, Nikolai BELUGIN**
032(1) GENETIC CAUSES OF BIRTH OF IMPAIRED CALVES AND REPRODUCTION DYSFUNCTION OF A DAIRY HERD
- 22 **Vladimir TRUKHACHEV, Serhii OLIINYK, Nikolay ZLYDNEV, Vitaly MOROZOV, Vladislav ZAKOTIN**
032(2) MAINTAINING THE STABILITY OF MILK-YIELD PARAMETERS AND MILK QUALITY IN HIGH PRODUCTION MILK CATTLE
- 23 **Vladimir TRUKHACHEV, Sergey OLEYNIK, Vitaly MOROZOV, Sergey SKLYAROV, Evgeny CHERNOBAY, Tatyana ANTONENKO**
152 MEAT AND INTERIOR FEATURES OF EWES OBTAINED FROM PARENTS OF DIFFERENT AGE
- 24 **Vladimir TRUKHACHEV, Serhii OLIINYK, Vitaly MOROZOV, Alexander LOSHAKOV, Alexander ESAULKO**
036(2) THE USE OF UNMANNED AERIAL VEHICLES IN THE MONITORING OF AGRICULTURAL LAND IN THE STAVROPOL TERRITORY
- 25 **Vladimir TRUKHACHEV, Serhii OLIINYK, Vitaly MOROZOV, Tatiana ALEKSANDROVA, Sergey SKLYAROV, Pavlov ANDREY**
036(1) INCREASE OF PASTORALISM EFFICIENCY WITH APPLICATION OF AEROSPACE MONITORING
- 26 **Karol TUCKI, Anna BĄCZYK**
097(1) THE ASSESSMENT OF THE FUNCTIONING OF PHOTOVOLTAIC INSTALLATION UNDER SMALL HOUSEHOLD CONDITIONS

- 27 **Karol TUCKI, Remigiusz MRUK, Katarzyna BOTWIŃSKA, Anna BĄCZYK**
097(2) THE DEVELOPMENT OF THE INTERFACE SOLUTION FOR THE ACQUISITION OF INFORMATION FROM
THE OBD SYSTEM OF THE VEHICLE
- 28 **Yermekkul ZHAPARKULOVA, Madina NABIOLLINA, Balzhan AMANBAEVA, Karlygash KALIYEVA**
153 THE METHODOLOGY OF PREDICTIVE CALCULATIONS OF BREAKTHROUGH WAVE IN
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