

**The sixth international scientific conference**

**RURAL DEVELOPMENT 2013: INNOVATIONS  
AND SUSTAINABILITY**  
**28-29th November, 2013**

**Aleksandras Stulginskis University**  
Akademija, Kaunas district, Lithuania  
[http://www.asu.lt/rural\\_\\_development/en](http://www.asu.lt/rural__development/en)

## **Dear researchers, rural development policy makers and specialists**

It is my pleasure to welcome You to participate in the sixth international scientific conference „Rural Development 2013: Innovations and Sustainability“. The main attention will be paid to the ”2007-2013 Experience and 2014-2020 Rural Development Programme Perspective”

It is the bi-annual platform for scientific interdisciplinary discussion on sustainable rural development and innovations.

I am honored to welcome you at Aleksandras Stulginskis University, which has started a new development period with changes of name, strategy and vision. The university has become more advanced and more open to society.

The university mission reveals our main aspiration: to develop and disseminate scientific knowledge and sincerely strive for safe and healthy food in full – fledged living environment for every citizen of Lithuania.

We are able to go „step by step“ with global changes and innovations by sharing innovative ideas, experience and results of our research.

Issues of sustainable development and innovations will be discussed in political forum and in different sections of this conference:

Section 1. Engineering and Environment of Biosystems

Section 2. Food Safety and Security

Section 3. Multifunctional Approach to Sustainable Use of Natural Resources

Section 4. Social Innovations of Regional Rural Development

Section 5. Future and Present Policy of Agriculture and Rural Development

Political forum ”2007-2013 Experience and 2014-2020 Rural Development Programme Perspective”

Together we can create synergy by broad participation of scientists, practitioners, policy makers, private sector actors, NGO from different sectors of the society. All the participants will be awarded the possibility to share their experience related to the sustainable agriculture and rural development.

I encourage you to take an active part in the implementation of our scientific mission Science Mission and I invite You to join our new motto “Will to Change – Power to Create”.

Prof. dr. Antanas Maziliauskas  
Rector of Aleksandras Stulginskis University,  
Chairman of Scientific Committee

## Committees

### Scientific committee:

*Chairperson* – prof. dr. Antanas Maziliauskas – Rector of the Aleksandras Stulginskis University

*Vice-chairperson* – assoc. prof. dr. Laima Taparauskienė – Vice-Rector of the Aleksandras Stulginskis University

*Vice-chairperson* – prof. dr. Jonas Čaplikas – Vice-Rector of the Aleksandras Stulginskis University

### Members:

Prof. dr. Algirdas Augustaitis (Aleksandras Stulginskis University, Lithuania)

Prof. dr. Vilija Aleknevičienė (Aleksandras Stulginskis University, Lithuania)

Dr. Vilis Brukas (Swedish University of Agriculture Sciences)

Dr. Shri Sant Kumar Chaudhary (Shankara Institute of Technology, India)

Prof. dr. Adriano Ciani (Perugia University, Italy)

Prof. dr. Jozef Coosemans (Catholic University of Leuven, Belgium)

Prof. habil. dr. Zenonas Dabkevičius (Lithuanian Agrarian and Forests science centre, Lithuania)

Prof. habil. dr. Pavelas Duchovskis (Lithuanian Agrarian and Forests science centre, Lithuania)

Prof. dr. Viktor Efimov (St. Petersburg State Agrarian University)

Prof. Artur Granstedt (Swedish University of Agricultural Sciences, Sweden)

Prof. dr. Guido Van Huylenbroeck (Gent University, Belgium)

Prof. dr. Norbert Kanswohl (Rostock University, Germany)

Prof. dr. Mait Klaassen (Estonian University of Life Sciences)

Prof. dr. Zigmantas Lydeka (Vytautas Magnus University, Lithuania)

Assoc. Prof. L'uboš Jurik (Slovak University of Agriculture in Nitra)

Prof. dr. Arvydas Povilaitis (Aleksandras Stulginskis University, Lithuania)

Prof. dr. habil. Baiba Rivža (Latvian University of Agriculture)

Prof. dr. Heinz Roehle (Technical University of Dresden, Germany)

Prof. dr. Neringa Stončiuvienė (Aleksandras Stulginskis University)

Dr. Swein Skoien (Nordic Association of Agricultural Scientists)

Prof. dr. Egidijus Šarauskis (Aleksandras Stulginskis University, Lithuania)

Prof. dr. Vlada Vitunskienė (Aleksandras Stulginskis University, Lithuania)

Prof. dr. Algimantas Feliksas Žiogas (Aleksandras Stulginskis University, Lithuania)

Prof. dr. habil. Henrikas Žilinskas (Lithuanian University of Health Sciences, Lithuania)

## **Organizing committee:**

*Chairperson* – prof. dr. Vilma Atkočiūnienė

*Secretary of conference* – PhD student Rasa Pakeltienė

Prof. dr. Audrius Aleknavičius

Asist. Agnė Bykoviėnė

Assoc. prof. dr. Laima Česonienė

Assoc. prof. dr. Jonas Čėsna

Assoc. prof. dr. Vida Čiulevičienė

Asist. Aistė Čapienė

Prof. dr. Honorata Danilčenko

Prof. dr. Sigitas Daukilas

Assoc. prof. dr. Antanas Dumbrauskas

Assoc. prof. dr. Algirda Jasinską

Assoc. prof. dr. Sonata Kazlauskaitė

MSc. PhD student Vilma Kerpkauskaitė

Lect. Marius Kavaliauskas

Dr. Ilona Kiaušienė

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Assoc. prof. Regina Malinauskaitė

Asist. Povilas Mulerčikas

Lect. Aurelija Šaluchaitė

Dr. Jurgita Stakėnienė

Assoc. prof. Asta Raupelienė

Lect. Rasa Rukuiženė

Dr. Lina Šarlauskienė

Assoc. prof. Valerija Vinciūnienė

Assoc. prof. dr. Remigijus Žalkauskas

Lect. Judita Kasperėnienė

## Wednesday, 27<sup>th</sup> November, 2013

8.00–20.00 Arrival of Participants and Accommodation

## Thursday 28<sup>th</sup> November, 2013

8.30-9.30 Registration of Participants

*(IV building, Universiteto str. 8a, Akademija)*

9.30-13.00 Plenary Session and Greetings

*Chairpersons: assoc. prof. dr. Laima Taparauskienė, prof. dr. Vilma Atkočiūnienė*

9.30-10.00 Welcome address by rector prof. dr. Antanas Maziliauskas, partners of the conference

10.00-10.20 The Tendencies of EU Agricultural and Food Safety Policy after 2014

**Radvilė Morkūnaitė-Mikulėnienė**

*European Parliament, Belgium*

10.20–10.40 Challenges of Agriculture and Rural Development in New Programming Period 2014-2020

**Prof. dr. Vigilijus Jukna**

*The Ministry of Agriculture of the Republic of Lithuania*

10.40–11.00 A Multifunctional Agriculture in the Bio-economy Era: Global and Local Challenges

**Prof. dr. Guido Van Huylenbroeck**

*Gent University, Belgium*

11.10–11.30 Coffee break

11.30–11.50 Investments in Agriculture: Situation in Selected New EU Member States with the Emphasis on Central and Eastern Europe

**Doc. dr. Lubos Smutka**

*Czech University of Life Sciences, Czech Republic*

11.50–12.10 Situation and the Perspectives of the Territorial Development of the Russian Federation

**Prof. dr. Viktor Efimov**

*St. Petersburg State Agrarian University, Russia*

12.10–12.30 Invasive Species and Rural Development

**Prof. dr. Inderjit Singh**

*University of Delhi, India*

12.30–13.00 Discussions

13.00–14.00 Lunch

14.00–18.00 **Work day alternatives**

14.00–16.00 **I alternative. Presentations and discussions in sections:**

*Section 1. Engineering and Environment of Biosystems*

*Section 2. Food Safety and Security*

*Section 3. Multifunctional Approach for Sustainable Use of Natural Resources*

*Section 4. Social Innovations of Regional Rural Development*

*Section 5. Future and Present Policy of Agriculture and Rural Development*

16.00–16.30 Coffee and Poster Session

16.30–18.00 Continue presentations and discussions in sections

14.00–18.00 **II alternative. Political Forum "2007-2013 Experience and 2014-2020 Rural Development Programmer Perspective"**

*(Room No. 214, IV building, Universiteto str. 8a, Akademija)*

14.00–16.00 Presentations and discussions on the following topics:

*1. Linkages Between the First and Second CAP Pillars and Competitiveness of Baltic Farmers*

*2. Support of Agriculture and Rural Development in 2014-2020*

16.00–16.30 Coffee and Poster Session

16.30–18.00 Continue presentations and discussions on the following topics:

*3. Community–Led Local Development and the LEADER Initiative Perspective*

*4. The European Innovation Partnership: New Opportunities for Agricultural Science*

14.00 – 16.00 **III alternative. Lithuanian food industry in the local market and export** (Room No. 207, IV building, Universiteto str. 8a, Akademija)

18.30–22.00 **Reception party in Raudondvaris manor**

*(Pilies takas str. No 1, Raudondvaris village, Raudondvaris eldarity, Kaunas district)*

## **Friday 29<sup>th</sup> November, 2013**

Work day alternatives

9.00-13.00 **I alternative. Presentations and discussions in sections**

*Section 1. Food Safety and Security*

*Section 2. Multifunctional Approach for Sustainable Use of Natural Resources*

*Section 3. Social Innovations of Regional Rural Development*

*Section 4. Future and Present Policy of Agriculture and Rural Development*

9.00-11.00 **II alternative. Visiting Aleksandras Stulginskis University science laboratories:** Experiment Station, Environmental Laboratory, Mechatronics Laboratory, Forest Sector Research, Study and Development Center (*Meeting place IV building, Universiteto str. 8a, Akademija*)

8.00-13.00 **III alternative. Visiting Lithuanian Agricultural Advisory Service; Lithuanian Research Centre for Agriculture and Forestry of Institute of Agriculture, Modern farm (Kėdainiai district).** (*Meeting place IV building, Universiteto str. 8a, Akademija*)

13.00–14.00 Lunch

14.00-15.30 **Final plenary session**  
(*IV building, Universiteto str. 8a, Akademija*)

*Chairpersons: assoc. prof. dr. Laima Taparauskienė, prof. habil. dr. Zenonas Dabkevičius*

*Section 1. Engineering and environment of biosystems*

*Section 2. Food Safety and Security*

**Assoc. prof. dr. Sonata Kazlauskaitė**

*Section 3. Multifunctional Approach for Sustainable Use of Natural Resources*

**Prof. dr. Heinz Roehle (Technical University of Dresden, Germany)**

*Section 4. Social Innovations of Regional Rural Development*

*Prof. dr. Vilija Aleknevičienė, dr. Rita Mičiulienė*

*Section 5. Future and Present Policy of Agriculture and Rural Development*

*Prof. dr. Vilma Atkočiūnienė*

## **SECTION 1. ENGINEERING AND ENVIRONMENT OF BIOSYSTEMS**

**Section 1A , Thursday 28<sup>th</sup> November, 2013, room No. 318 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairperson prof. dr. Egidijus Šarauskis, assoc. prof. dr. Algirdas Jasinskas*

14.00-14.15	Properties of Briquettes from Recovered Paper and Board <b>Milan Brožek</b> <i>Czech University of Life Sciences (Czech Republic)</i>
14.15-14.30	Research of physical-mechanical properties of sawdust fuel briquettes with the additives <b>Algirdas Jasinskas, Vytautas Kučinskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i> <b>Margus Arak, Jüri Olt</b> <i>Estonian University of Life Sciences (Estonia)</i>
14.30-14.45	Investigation of technological processes of wheat straw preparation for

	<p>the synthetic diesel fuel production</p> <p><b>Remigijus Zinkevičius, Algirdas Jasinskas, Danutė Zinkevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Andres Annuk</b> <i>Estonian University of Life Sciences (Estonia)</i></p>
14.45-15.00	<p>Research of microclimate in dairy cattle and pig buildings</p> <p><b>Rolandas Bleizgys, Jonas Čėsna</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.00-15.15	<p>Infrasonic and low frequency environment in the shadow zones of noise barriers</p> <p><b>Ričardas Butkus, Gediminas Vasiliauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.15-15.30	<p>Substantiation of the rational technological parameters for threshing high-moisture corn ears</p> <p><b>Liudvikas Špokas, Dainius Steponavičius, Vidmantas Butkus, Valdas Kiniulis</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.30-15.45	<p>Resistance of Corn Ears and Grains of Different Maturity to Quasi-Static Load</p> <p><b>Sandra Adomavičienė, Dainius Steponavičius, Anicetas Strakšas, Kęstutis Romaneckas, Laimis Bauša</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.45-16.00	<p>The weight ratio and calorific value analysis of subcomponents of the <i>jatropha curcas</i> seed</p> <p><b>Juraj Ružbarský</b> <i>Technical University of Košice (Czech Republic)</i></p> <p><b>Miroslav Müller, Petr Hrabě, Jan Cidlina</b> <i>Czech University of Life Sciences in Prague (Czech Republic)</i></p>
16.00-16.30	<p><b>Coffee Break and Poster Session</b></p> <ul style="list-style-type: none"> <li>Prospects for development of biomass production in agricultural holdings of north-eastern Poland</li> </ul> <p><b>Adam Pawlewicz, Zbigniew Brodziński</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p>
16.30-16.45	<p>Impact of sustainable tillage and sowing machinery on soil physical properties, winter wheat crop development and productivity in on-farm scale experiments</p> <p><b>Kęstutis Romaneckas, Egidijus Šarauskis, Antanas Sakalauskas, Edvardas Vaiciukevičius, Mindaugas Martinkus, Vytautas Pilipavičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.45-17.00	<p>Adhesive bonding technology advanced in the area of metal sheets bonding</p> <p><b>Jan Cidlina, Miroslav Müller, Petr Valášek</b> <i>Czech University of Life Sciences (Czech Republic)</i></p>



17.00-17.15	Influence of specific degradation liquid contaminants of agricultural production on shear impact strength of adhesive bond  <b>Miroslav Müller</b> <i>Czech University of Life Sciences (Czech Republic)</i>
17.15-17.30	Research of different concrete shrinkage reducing strategies effectiveness  <b>Rytis Skominas, Vincas Gurskis, Justinas Matulionis</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
17.30-17.45	Epoxy resin filled with glass powder – usage possibilities in agrocomplex  <b>Petr Valášek</b> <i>Czech University of Life Sciences (Czech Republic)</i>
17.45-18.00	Adhesive bonds mechanical properties after the degradation process  <b>Petr Henc, Jan Cidlina, Miroslav Müller</b> <i>Czech University of Life Sciences (Czech Republic)</i>

**Section 1B, Thursday 28<sup>th</sup> November, 2013, room No. 315 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairperson prof. dr. Gvidonas Labeckas, assoc. prof. dr. Kęstutis Navickas*

14.00-14.15	Effect of solar radiation on thermal performance of external wall structures based on long-term measured data  <b>Mihkel Kiviste, Ralf Lindberg, Virpi Leivo</b> <i>Tampere University of Technology (Finland)</i>
14.15-14.30	Impact of rapeseed oil on characteristics of the engine tractor Zetor 8641 Forterra  <b>Jakub Mařík, Martin Pexa</b> <i>Czech University of Life Sciences (Czech Republic)</i>
14.30-14.45	CFD analysis of broiler house ventilation patterns with respect to the poultry welfare  <b>Zajicek Milan</b> <i>Institute of Information Theory and Automation, The Academy of Science of The Czech Republic (Czech Republic)</i>  <b>Kic Pavel</b> <i>Czech University of Life Sciences (Czech Republic)</i>
14.45-15.00	Concepts and profitability for utilisation of fish-industry side-stream  <b>Kęstutis Navickas, Kęstutis Venslauskas, Arvydas Nekrošius</b> <i>Aleksandras Stulginskis University (Lithuania)</i>  <b>Petteri Kangas, Marja Nappa</b> <i>VTT Technical Research Centre of Finland (Finland)</i>  <b>Rasa Šližytė, Tore Remman</b> <i>SINTEF Fisheries and Aquaculture (Norway)</i>

15.00-15.15	<p>The influence ethanol–diesel-biodiesel blends on performance and emissions of off-road diesel engine</p> <p><b>Stasys Slavinskas, Gvidonas Labeckas, Tomas Mickevičius, Marius Mažeika</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.15-15.30	<p>Added energy value from application of fish industry co-streams</p> <p><b>Kęstutis Navickas, Kęstutis Venslauskas, Arvydas Nekrošius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Petteri Kangas, Marja Nappa</b> <i>VTT Technical Research Centre of Finland (Finland)</i></p> <p><b>Rasa Šližytė, Revilija Mozūraitytė</b> <i>SINTEF Fisheries and Aquaculture (Norway)</i></p>
15.30-15.45	<p>Electromagnetic investigation of concentrated multi-phase windings of alternating current machines</p> <p><b>Jonas Bukšnaitis, Tadas Kulikauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.45-16.00	Discussions
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• The use of oilseed meal for the production of biogas <b>Violeta Makarevičienė, Virginija Skorupskaitė, Milda Gumbytė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Svitlana Kalenska, Anatolii Yunik <i>National University of Life and Environmental Sciences (Ukraine)</i></li> <li>• Evaluation of ASH content in grass plant biomass used for energy production. <b>Rasma Platače, Aleksandrs Adamovičs</b> <i>University of Agriculture, Institute of Agrobiotechnology (Latvia)</i></li> <li>• Automation of solar energy appliance as a supplement for the residential building heating system <b>Virginija Gylienė</b> <i>Kaunas University of Technology (Lithuania)</i></li> <li>• <b>Algimantas A. Gyls</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Life cycle energy efficiency indicators of rapeseed oil butyl esters <b>Irina Kazanceva, Eglė Sendžikienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> </ul>
16.30-16.45	<p>Prospects of sorghum (<i>Sorghum Moench</i>) bioenergetic potential in Ukraine</p> <p><b>Violeta Makarevičienė, Eglė Sendžikienė</b></p>

	<p><i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Svitlana Kalenska, Jamal Rakhmetov, Victor Kalenskiy, Anatolii Yunyk, Ievgenii Kachura, I. Grynyuk</b>  <i>National University of Life and Environmental Sciences (Ukraine)</i></p>
16.45-17.00	<p>Effect of magnetic fields with industrial frequency on water and solution properties</p> <p><b>Alfредas Stašelis, Virginijus Stašelis</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.00-17.15	Discussion

## SECTION 2. FOOD SAFETY AND SECURITY

### Section 2A, Thursday 28<sup>th</sup> November, 2013, room No. 211 (VIII building, Studentų str. 15b, Akademija)

Chairperson *prof. dr. Jozef Coosemans, assoc. prof. dr. Sonata Kazlauskaitė*

14.00-14.15	<p>Ground vegetation development after surface fire in Scots pine forests</p> <p><b>Vitas Marozas</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
14.15-14.30	<p>Damp water stream impact for fungi on Norway spruce (<i>Picea abies</i> (L.) H. Karst.) seeds</p> <p><b>Gerda Šilingienė, Regina Vasinauskienė, Gediminas Brazaitis</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
14.30-14.45	<p>Onion Botrytis Leaf Blight and Botrytis Leaf Spot management using forecasting model</p> <p><b>Elena Survilienė, Neringa Rasiukevičiūtė, Alma Valiuškaitė, Laisvūnė Duchovskienė</b>  <i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Sonata Kazlauskaitė</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
14.45-15.00	<p>Effect of different organic fertilizers and liming combination on Dystric Albeluvisol fertility</p> <p><b>Jokubauskaite Ieva, Karčauskienė Danutė</b>  <i>Vežaiciai Branch of Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <p><b>Šlepetienė Alvyra</b>  <i>Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p>
15.00-15.15	The influence of organic fertilizer “Bioplant Flora” on winter wheat

	<p>biometric indicators and productivity</p> <p><b>Algirdas Gavenauskas, Vidmantas Spruogis, Anželika Dautartė, Edmundas Bartkevičius</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.15-15.30	<p>Introduction of phyto spray licence in Belgium</p> <p><b>Josef Coosemans</b>  <i>Catholic University of Leuven, Belgium</i></p>
15.30-15.45	<p>The spread of fungal leaf diseases in sugar beet crops</p> <p><b>Baltaduonytė Milda</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Dabkevičius Zenonas</b>  <i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Brazienė Zita</b>  <i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p>
15.45-16.00	<p><b>Discussions and Poster Session</b></p> <ul style="list-style-type: none"> <li>• Influence of the Lithuanian sea industry on natural environment biodiversity of Smeltė peninsula</li> </ul> <p><b>Algimantas Mečislovas Olšauskas, Ramunė Olšauskaitė Urbonienė, Kristina Kontvainienė</b>  <i>Klaipėda University (Lithuania)</i></p>
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• The threat of potato crops by Spanish Slug (<i>Arion Lusitanicus</i>) in the conditions of South-Eastern Polish</li> </ul> <p><b>Barbara Krochmal-Marczak</b>  <i>Departament of Agriculture and Rural Development, State Higher Vocational School im. Stanisława Pigońia in Krosno (Poland)</i></p> <p><b>Barbara Sawicka, Anna Kiełtyka-Dadasiewicz</b>  <i>Department of Plant Production Technology and Commodity, UP Lublin (Poland)</i></p> <ul style="list-style-type: none"> <li>• Influence of alkaline ionized water on soybean 'DOTNUVOS RUDOJI' growth</li> </ul> <p><b>Regina Malinauskaitė, Edvardas Kazlauskas, Aurelija Šaluchaitė</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Antioxidant activity changes during the germination of broccoli, radish and rape seeds</li> </ul> <p><b>Toma Barčytė, Živilė Tarasevičienė, Ernestas Zaleckas, Aurelija Paulauskienė</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.30-16.45	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• Yielding of winter oilseed rape as influenced by different sowing</li> </ul>

	<p>dates</p> <p><b>Rita Pupalienė, Rimantas Velička, Lina Marija Butkevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Studies of the Dynamics of the Species Composition and Abundance of Click Beetles (Coleoptera: Elateridae) in Different Agroecosystems</li> </ul> <p><b>Sonata Kazlauskaitė, Povilas Mulerčikas, Marius Garuckas, Vytautas Tamutis, Algimantas Žiogas, , Algirdas Amšiejus, Simas Glišeris</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Elena Survilienė-Radzevičė</b> <i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry, Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Susceptibility of <i>Oulema Melanopus</i> (L.) (Coleoptera: Chrysomelidae) Larvae to Entomopathogenic Nematodes (Rhabditida)</li> </ul> <p><b>Anna Kreft, Henryk Skrzypek, Waldemar Kazimierzak, Tomasz Skrzypek</b> <i>The John Paul II Catholic University of Lublin (Poland)</i></p> <ul style="list-style-type: none"> <li>Beverages, Enriched by Calcium, Prebiotic Dietary Fiber and Vitamin D<sub>3</sub></li> </ul> <p><b>Algirdas Liutkevičius, Vilma Speičienė, Gitana Alenčikienė, Aldona Miežlienė, Lina Vaičiulytė-Funk</b> <i>Kaunas University of Technology (Lithuania)</i></p>
16.45-17.00	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li><i>Trichinella</i> sp. infection in martens (<i>Martes martes</i>, <i>Martes foina</i>) in Latvia and Lithuania (Kaunas region)</li> </ul> <p><b>Zanda Bērziņa</b> <i>Institute of Food Safety, Animal Health and Environment “BIOR”, Latvia; Daugavpils University (Latvia)</i></p> <p><b>Jolanta Stankevičiūtė, Giedrius Šidlauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Eduards Bakasejevs, Aleksandra Zdankovska</b> <i>Daugavpils University (Latvia)</i></p> <p><b>Māris Gackis</b> <i>Latvia University of Agriculture (Latvia)</i></p> <ul style="list-style-type: none"> <li>Effect of the biological preparations Azofit and Amalgerol on sugar beet seeding</li> </ul> <p><b>Elena Jakienė, Vytautas Liakas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.00-17.15	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>Pools of soil organic carbon and mineral nitrogen in long-term</li> </ul>

	<p>experiment on Gleyic Luvisols</p> <p><b>Romutė Mikučionienė, Jūratė Aleinikovienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>The influence of cultivars on the tuber yield, chemical composition and diseases incidence of organically grown potatoes</li> </ul> <p><b>Juozas Pekarskas, Jolanta Sinkevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>The influence of the rate of liquid biohumus preparation Humiverd-eko on seed germination power, viability and contamination with fungi</li> </ul> <p><b>Juozas Pekarskas, Jolanta Sinkevičienė, Aurelija Šaluchaitė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.15-17.30	Discussion

**Section 2A, Friday 29<sup>th</sup> November, 2013, room No. 318 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairperson assoc. prof. dr. Audronė Žebrauskienė, prof. dr. Barbara Sawicka*

9.00-9.15	<p>Quality Parameters of the Great Pumpkin for Food Marek Gajewski, Viktorija Juozaitytė</p> <p><b>Honorata Danilčenko, Edita Juknevičienė, Jurgita Kulaitienė, Viktorija Juozaitytė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Barbara Sawicka</b> <i>Lublin University of Life Sciences (Poland)</i></p> <p><b>Marek Gajewski</b> <i>Warsaw University of Life Sciences (Poland)</i></p>
9.15-9.30	<p>Antioxidant compounds and antioxidant activity in blue-fleshed potatoes</p> <p><b>Elvyra Jarienė, Nijolė Vaitkevičienė</b> <i>Aleksandras Stulginskis university (Lithuania)</i></p> <p><b>Natalija Chupakhina, Raisa L. Poltavskaya</b> <i>Immanuel Kant Baltic federal university (Russia)</i></p> <p><b>Agnieszka Kita</b> <i>Wroclaw University of Environmental and Life Sciences (Poland)</i></p>
9.30-9.45	<p>The quantity of anthocyanin in sprouted seeds for food</p> <p><b>Honorata Danilčenko, Oksana Kubiliūtė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Maria Jeznach</b> <i>Warsaw university of Life Sciences-SGGW (Poland)</i></p> <p><b>Galina N. Chupachina, Pavel Fedurajev, Liubov N. Skrypnik</b> <i>Immanuel Kant Baltic federal university (Russia)</i></p>
9.45-10.00	<p>Importance of agricultural anaerobic digestion plants for agriculture and rural development: notes on researches carried out in the Czech</p>

	<p>Republic and Slovakia</p> <p><b>Stanislav Martinát</b> <i>Silesian University in Opava (Czech Republic)</i></p> <p><b>Petr Dvořák</b> <i>Academy of Sciences of the Czech Republic (Czech Republic)</i></p> <p><b>Josef Navrátil</b> <i>University of South Bohemia (Czech Republic)</i></p> <p><b>Petr Klusáček</b> <i>Mendel University (Czech Republic)</i></p> <p><b>Marián Kulla</b> <i>Pavol Jozef Šafárik University in Košice (Slovakia)</i></p> <p><b>Tatiana Mintálová</b> <i>Palacký University in Olomouc (Czech Republic)</i></p> <p><b>Ilna Martinátová</b> <i>College of Business and Hotel Management (Czech Republic)</i></p>
10.15-10.30	<p>Crop weediness, soil seed bank and yield of winter wheat spelta under organic agriculture</p> <p><b>Vytautas Pilipavičius, Kęstutis Romaneckas, Aušra Gudauskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
10.30-10.45	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• Aspects Characterizing the Romanian Agro-Alimentary Consumption  <b>Tabita Cornelia Hurmuzache, Tiberiu Iancu, Andrea Feher, Cosmina Simona Toader, Miroslav Raicov</b> <i>Banat's University of Agricultural Sciences and Veterinary Medicine (Romania)</i></li> <li>• Growth and photosynthetic pigments responses of <i>Setaria viridis</i> (L.) P. Beauv. to drought stress  <b>Natalija Burbulis, Vaida Jonytienė, Aušra Blinstrubienė, Rimanta Vainorienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Assessment of AFLP markers linked to fungal diseases and to spring frost resistance in sour cherry  <b>Birutė Frercks, Inga Stepulaitienė, Jūratė Bronė Šikšnianienė, Vidmantas Stanys</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></li> <li>• Proline and soluble sugars accumulation in the leaves of <i>Pisum sativum</i> L. in response to substrate water content  <b>Vaida Jonytienė, Natalija Burbulis, Laima Taparauskienė, Aušra Blinstrubienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> </ul>

10.45-11.00	<p>Chemical composition and pollution research in pumpkin fruit of various genotypes</p> <p><b>Elvyra Jarienė, Honorata Danilčenko, Lina Neverauskaitė, Judita Černiauskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Romas Mažeika, Gediminas Staugaitis</b> <i>Agrochemical research laboratory of the Lithuanian research centre for agriculture and forestry (Lithuania)</i></p>
11.00-11.15	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• The influence of sowing time and fertilization on the formation of assimilation of leaf area of Festulolium <b>Jolanta Leliūnienė, Evaldas Klimas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• <b>Giedrė Samuolienė</b> <i>Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></li> <li>• <b>Pavelas Duchovskis</b> <i>Aleksandras Stulginskis University, Lithuania, Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></li> <li>• Influence of lead shot pellets injury on meat yield of European hare (<i>Lepus europaeus Pallas</i>) <b>Jolanta Stankevičiūtė, Kęstutis Pėtelis, Jurgita Baranauskaitė, Gintarė Narauskaitė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• The effect of Asahi Sl application on potato crop and qasuality <b>Barbara Sawicka, Ewa Kotiuk</b> <i>University of Life Sciences (Poland)</i></li> <li>• <b>Barbara Krochmal-Marczak, Anna Kiełtyka-Dadasiewicz, Bernadetta Bienia</b> <i>State Higher Vocational School of name Stanislaw Pigionia in Krosno (Poland)</i></li> <li>• Determination of polyfenolic compound and copper in grape seeds (<i>Vitis Vinifera</i>) cultivated in Czech Republic <b>Štěpánka Horníčková, Tereza Michlová, Alena Hejtmánková, M</b> <i>Czech University of Life Science Prague (Czech Republic)</i></li> </ul>
11.15-11.30	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• Progress in plant photophysiological investigations <b>Akvilė Viršilė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></li> <li>• Light irradiance level for optimal growth and nutrient contents in</li> </ul>



	<p>borage microgreens</p> <p><b>Akvilė Viršilė, Ramūnas Sirtautas</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Hydrolases activity in differently managed agro-ecosystems</li> </ul> <p><b>Ligita Baležentienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Formation of photosynthetic parameters of <i>Festulolium</i> depending on the duration of flowering induction</li> </ul> <p><b>Jolanta Leliūnienė, Evaldas Klimas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.30-11.45	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>The effects of UV-B radiation on phytochemical properties of <i>Spinacia oleracea</i></li> </ul> <p><b>Sandra Sakalauskienė</b> <i>Vytautas Magnus University (Lithuania)</i> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <p><b>Irena Januškaitienė, Romualdas Juknys</b> <i>Vytautas Magnus University (Lithuania)</i></p> <p><b>Jurga Miliauskienė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Changing climate factors affects physiological indices of <i>Pisum sativum L.</i></li> </ul> <p><b>Sandra Sakalauskienė, Jurga Miliauskienė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <ul style="list-style-type: none"> <li>The effect of red-LED lighting on the antioxidant properties and nitrates in red baby leaf lettuces</li> </ul> <p><b>Ramūnas Sirtautas, Giedrė Samuolienė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Effect of watering and main fertilization rates on productivity and storage of intensively grown onion</li> </ul> <p><b>Ona Bundinienė, Roma Starkutė, Vytautas Zalatorius, Danguolė Kavaliauskaitė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p>
11.45-12.00	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>Application of pulsed electric fields for extraction of plant materials and food processing</li> </ul> <p><b>Ramunė Bobinaitė, Saulius Šatkauskas</b> <i>Vytautas Magnus University (Lithuania)</i></p> <p><b>Nerijus Lamanauskas</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <p><b>Pranas Viškelis</b> <i>Lithuanian Research Centre for Agriculture and Forestry, Kaunas University of Technology (Lithuania)</i></p>

	<ul style="list-style-type: none"> <li>• Total Phenolics, Anthocyanins, Ellagitannins Content and Radical Scavenging Activity of Raspberries During Ripening <b>Ramunė Bobinaitė, Česlovas Bobinas</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i> <b>Pranas Viškelis</b> <i>Lithuanian Research Centre for Agriculture and Forestry; Kaunas University of Technology (Lithuania)</i> <b>Rimantas Petras Venskutonis</b> <i>Kaunas University of Technology (Lithuania)</i></li> <li>• The effects of supplementary short-term red LEDs lighting on nutritional quality of <i>Perilla frutescens</i> L. microgreens <b>Aušra Brazaitytė, Julė Jankauskienė, Algirdas Novičkovas</b> <i>Institute of Horticulture, Lithuanian Centre of Agricultural and Forestry Sciences (Lithuania)</i></li> <li>• The comparison of supplemental blue and green light effects on two cucumber hybrid transplant grown under HPS lighting in greenhouse <b>Julė Jankauskienė, Aistė Kasiulevičiūtė</b> <i>Institute of Horticulture, Lithuanian Centre of Agricultural and Forestry Sciences (Lithuania)</i></li> </ul>
12.00-12.15	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• The effects of HPS lamp supplementation with blue light-emitting diodes on the growth of two tomato hybrid transplants <b>Aušra Brazaitytė, Aistė Kasiulevičiūtė</b> <i>Institute of Horticulture, Lithuanian Centre of Agricultural and Forestry Sciences (Lithuania)</i></li> <li>• Application of scanning electron microscopy technique in examination of changes occurring in gastrointestinal postnatal development of piglets <b>Tomasz Hubert Skrzypek</b> <i>The John Paul II Catholic University of Lublin (Poland)</i></li> <li>• Biochemical and electrochemical evaluation of organic red beet (<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i> convar. <i>vulgaris</i> var. <i>vulgaris</i>) root crops <b>Rasa Karklelienė, Audrius Radzevičius, Danguolė Juškevičienė, Pranas Viškelis</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i> <b>Daiva Šileikienė, Juozas Pekarskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Fruit quality of organic and conventional tomato <b>Audrius Radzevičius, Pranas Viškelis, Jonas Viškelis, Marina Rubinskienė, Rasa Karklelienė, Danguolė Juškevičienė</b> <i>Research Centre for Agriculture and Forestry (Lithuania)</i></li> </ul>

12.15-12.30	<p><b>Poster session</b></p> <ul style="list-style-type: none"> <li>• Cultivation of Lithuanian cultivars and hybrids of <i>Paeonia lactiflora</i> in Kaunas Botanical Garden  <b>Judita Varkulevičienė</b>  <i>Kaunas Botanical Garden of Vytautas Magnus University (Lithuania)</i></li> <li>• <b>Rita Mikaliūnaitė</b>  <i>Department of Environmental Research of Šiauliai University (Lithuania)</i></li> <li>• <b>Aurelija Malciūtė</b>  <i>Šiauliai Meteorological Station of Lithuanian Hydrometeorological Service (Lithuania)</i></li> <li>• Darking tuber flesh sweet potato (<i>Ipomoea batatas</i> L. [Lam.]) Polisch in a Soutch - Eastern  <b>Barbara Krochmal-Marczak</b>  <i>Departament of Agriculture and Rural Development, State Higher Vocational School im. Stanisława Pigońia in Krosno (Poland)</i></li> <li>• <b>Barbara Sawicka</b>  <i>Department of Plant Production Technology and Commodity, UP Lublin (Poland)</i></li> <li>• Changes in Chemical Composition During Ripening of <i>Actinidia kolomikta</i> Fruits  <b>Aurelija Paulauskienė, Viktoras Pranckietis, Živilė Tarasevičienė, Toma Barčytė</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Dynamics of photosynthetic pigments in winter wheat during wintering  <b>Aistė Juchnevičienė, Ilona Vagusevičienė</b>  <i>Aleksandras Stulginskis University (Lithuania)</i></li> </ul>
12.30-12.45	<p><b>Poster Session</b></p> <ul style="list-style-type: none"> <li>• Food safety assurance the case of company producing dried brewer's yeast  <b>Justyna Górna</b>  <i>Poznan University of Economic (Poland)</i></li> <li>• Industrial hemp productivity and tensile endurance determine of hemp fiber  <b>Aleksandrs Adamovics, Aivars Kakitis, Rasma Platace</b>  <i>Latvia University of Agriculture (Latvia)</i></li> <li>• Investigation of chemical composition of introduced cultivars of asparagus (<i>Asparagus officinalis</i> L.) spears  <b>Audronė Žebrauskienė, Aurelija Paulauskienė, Roma</b></li> </ul>

	<p><b>Abramavičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Investigation of chemical composition of introduced cultivars (<i>Asparagus officinalis</i> L.) spears</li> </ul> <p><b>Audronė Žebrauskienė, Paulina Aleknavičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
12.45-13.00	<p><b>Discussion and Poster session</b></p> <ul style="list-style-type: none"> <li>Supplementation of sediment sapropel for poultry feed</li> </ul> <p><b>Ligita Baležentienė, Sabina Mikulionienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>The effect of nitrogen fertilizers on the changes of photosynthetic pigments in winter wheat</li> </ul> <p><b>Ilona Vagusevičienė, Aistė Juchnevičienė, Pavelas Duchovskis</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Effects of disinfectants for amount of amino acids in sprouted seeds intended for human consumption</li> </ul> <p><b>Judita Černiauskienė, Jurgita Kulaitienė, Honorata Danilčenko, Elvyra Jarienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Skaidra Kordušienė</b> <i>PLC "Kauno grūdai" (Lithuania)</i></p> <p><b>Maria Jeznach</b> <i>Warsaw University of Life Sciences (Poland)</i></p>

## SECTION 3. MULTIFUNCTIONAL APPROACH FOR SUSTAINABLE USE OF NATURAL RESOURCES

**Section 3A, Thursday 28<sup>th</sup> November, 2013, room No. 315 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons prof. dr. Algirdas Augustaitis, prof. dr. Gediminas Brazaitis*

14.00-14.15	<p>A methodological approach for assessment of the spatial genetic structure within Scots pine stands based on DNA marker</p> <p><b>Vilma Kerpauskaite, Darius Kavaliauskas, Algirdas Augustaitis</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Darius Danusevičius, Virgilijus Baliuckas</b></p>
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	<p><i>Lithuanian Research Centre for Agriculture and Forestry, Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Barbara Fussi, Monika Konnert</b> <i>Bavarian Office for Forest Seedling and Planting (Germany)</i></p>
14.15-14.30	<p>Genetic diversity of <i>Quercus robur</i>, <i>Quercus petraea</i> and their hybrids</p> <p><b>Girmantė Jurkšienė, Virgilijus Baliuckas</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <p><b>Dmitry I. Kagan, Oleg J. Baranov, Olja A. Kovalevich</b> <i>Forest Institute of National Academy of Sciences (Belarus)</i></p>
14.30-14.45	<p>Genetic variation of Roe deer (<i>Capreolus capreolus</i> L.) forest and field ecotypes using DNA microsatellite markers</p> <p><b>Gintarė Narauskaitė, Darius Danusevičius, Kęstutis Pételis</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Kjartan Østbye</b> <i>Hedmark University College (Norway)</i></p>
14.45-15.00	<p>DNA-based differentiation among four Lithuanian Scots pine populations</p> <p><b>Darius Kavaliauskas, Darius Danusevicius, Vilma Kerpauskaitė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.00-15.15	<p><i>Heracleum sosnowskyi</i> (<i>Apiaceae</i>) spread and phytotoxicity</p> <p><b>Ligita Baležentienė, Edmundas Bartkevičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.15-15.30	<p>How forest bird community are affected by stand commercial thinning's ?</p> <p><b>Gediminas Brazaitis, Kastytis Šimkevičius, Kęstutis Pételis, Jolanta Stankevičiūtė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.30-15.45	<p>Identification and analysis of forest disturbances and fragmentation in giurgeu mountains, romania, using landsat data</p> <p><b>Iosif Vorovencii, Eugen Iordache</b> <i>Transilvania University of Brasov (Romania)</i></p>
15.45-16.00	<p>Discussions</p>
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>Visual impact assessment of wind turbines and their farms on landscape of South-Western Lithuania (Tauragė, Pagėgiai Regions)</li> </ul> <p><b>Jonas Abromas</b> <i>Klaipėda University (Lithuania), Kaunas University of Technology (Lithuania)</i></p> <p><b>Petras Grecevičius, Vytautas Dubra</b> <i>Klaipėda University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>The influence of fallow deer on soil chemical properties</li> </ul> <p><b>Jurgita Baranauskaitė, Vitas Marozas, Kęstutis Pételis</b></p>

	<p><i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Response reaction of Scots pine <i>Pinus sylvestris</i> L. after forest fire in forest site type <i>Vacciniosa</i> turf. mel. in Klīve forest district</li> </ul> <p><b>Lāsma Freimane, Olga Miezīte, Mārtiņš Ailts, Nensija Meiere, Solveiga Luguza</b> <i>Latvian University of Agriculture (Latvia)</i></p> <ul style="list-style-type: none"> <li>Requirements and chemical composition of organic vermicompost produced in Lithuania</li> </ul> <p><b>Juozas Pekarskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.30-16.45	<p>The consequences of the forest fire in <i>Sphagnosa</i> forest site type ecosystem</p> <p><b>Olga Miezīte, Aigars Indriksons, Andrejs Dreimanis, Lāsma Freimane</b> <i>Latvian University of Agriculture (Latvia)</i></p>
16.45-17.00	<p>The influence of abiotic and biotic factors on the condition of birch species in Lithuania</p> <p><b>Valda Araminienė, Vidas Stakėnas</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p> <p><b>Iveta Varnagirytė-Kabašinskienė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.00-17.15	<p>Appraisal of Small-leaf Linden (<i>Tilia cordata</i> Mill.) growth conditions near the major arterial streets in Alytus city</p> <p><b>Rimantas Vaisvalavičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Vilija Snieškienė, Antanina Stankevičienė</b> <i>Kaunas Botanical Garden of Vytautas Magnus University (Lithuania)</i></p>
17.15-17.30	<p>Influence of meteorological factors on the phenological phases of ephemeroids</p> <p><b>Jolita Abraitienė, Vitas Marozas, Greta Panitauskaitė</b> <i>Aleksandras Stulginskis University</i></p>
17.30-17.45	<p><b>Discussion and Poster session</b></p> <ul style="list-style-type: none"> <li>Influence of calcareous liming materials on soil acidity and aluminium mobility</li> </ul> <p><b>Nomeda Sabienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>Assessment of fish processing wastes for the improvement of soil properties</li> </ul> <p><b>Irena Pranckietienė, Rimantas Vaisvalavičius, Rūta Dromantienė, Jūratė Aleinikovienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>

**Section 3B, Thursday 28<sup>th</sup> November, 2013, room No.310 (2<sup>nd</sup> building,  
Studentų str. 15, Akademija)**

*Chairperson assoc. prof. Luboš Jurík, dr. Vilda Grybauskiene*

14.00-14.15	Model investigations of groundwater pollution by nitrogen compounds <b>Laima Česonienė, Gintautas Mozgeris, Daiva Šileikienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
14.15-14.30	Efficiency of operating of Kaunas WWTP digester <b>Midona Dapkienė, Algirdas Radzevičius, Laima Česonienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
14.30-14.45	Impact of ice regime in the Nemunas river and the curonian lagoon on floods in the delta Area <b>Vytautas Dubra, Jonas Abromas</b> <i>Klaipėda University (Lithuania)</i> <b>Antanas Dumbrasukas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
14.45-15.00	Natural and regulated streams stability and self-regulation <b>Ramūnas Gegužis, Raimundas Baublys</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.00-15.15	Elliptical guide banks scour: equilibrium stage. <b>Boris Gjunzburgs, Gints Jaudzems, Elena Govsha</b> <i>Riga Technical University (Latvia)</i>
15.15-15.30	Soil water dynamics during the periods without precipitation for crop management at the farm level <b>Luboš Jurík, Tatiana Kaletová</b> <i>Slovak University of Agriculture in Nitra (Slovakia)</i>
15.30-15.45	A case study of the wind-wave relationship in the Lithuanian coast of the Baltic Sea. <b>Egidijus Kasiulis</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.45-16.00	Discussions
16.00-16.30	<b>Coffee break and Poster session</b> <ul style="list-style-type: none"><li>• Evaluation of lime-based ditch filters for reduction of phosphorus loses from agricultural land <b>Nijolė Bastienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li><li>• Drainage water quality evaluation by fertilizing fields with manure from large livestock enterprises</li></ul>

	<p><b>Stefanija Misevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Investigations of groundwater quality in environment of karst sinkholes.</li> </ul> <p><b>Aurelija Rudzianskaitė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Capability assessment of application of software MIKE URBAN for rural water distribution system operation optimization</li> </ul> <p><b>Gražina Žibienė, Alvydas Žibas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Spatial dispersion analysis of spring flood peak discharge 1% probability of the lithuanian rivers</li> </ul> <p><b>Gitana Vyčienė, Vilda Grybauskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Jari Hietaranta</b> <i>Turku University of Applied Science (Finland)</i></p> <ul style="list-style-type: none"> <li>• Analysis of technical state changes of spillway concrete gravity dams in municipalities of Marijampolė and Kėdainiai District</li> </ul> <p><b>Raimondas Šadzevičius, Tatjana Sankauskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
16.30-16.45	<p>Agricultural runoff monitoring in Latvia.</p> <p><b>Ainis Lagzdīņš, Viesturs Jansons, Kaspars Abramenko, Artūrs Veinbergs</b> <i>Latvia University of Agriculture (Latvia)</i></p>
16.45-17.00	<p>Global warming and extreme meteorological phenomena recorded in the first 12 years of the 21st century in Romania.</p> <p><b>Viorela Marcu, Stelian Alexandru Borz</b> <i>Transilvania University of Braşov (Romania)</i></p>
17.00-17.15	<p>Attributes of water erosion in the period 2010-2012</p> <p><b>Petr Novák, Jiří Mašek, Kumhálová Jitka, Kumhála František</b> <i>Czech University of Life Sciences Prague (Czech Republic)</i></p>
17.15-17.30	<p>Hydraulic geometry of the river Neris for the assessment of hydrokinetic resources</p> <p><b>Petras Punys, Inga Adamonytė, Algis Kvaraciejus</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.30-17.45	<p>Comparison of standardized precipitation and Selyaninov hydrothermal drought indices</p>



	<b>Laima Taparauskienė, Veronika Lukševičiūtė, Antanas Maziliauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
17.45-18.00	Sediment retention in the floodplain areas of the Nemunas catchment  <b>Saulius Vaikasas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
18.00-18.15	Discussion

**Section 3C, Thursday 28<sup>th</sup> November, 2013, room No. 122 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairperson assoc. prof. dr. Vilma Sudonienė, dr. Jolanta Valčiukienė*

14.00-14.15	Impact of discrete new real estate developments on the spatial properties of arable land  <b>Piret Veeroja, Eddy Heil, Mari Maltis, Siim Maasikamäe</b> <i>Estonian University of Life Sciences (Estonia)</i>
14.15-14.30	Correlation between conversion of arable land into brushwood and distance of plots from roads  <b>Merit Mandel, Siim Maasikamäe</b> <i>Estonian University of Life Sciences (Estonia)</i>
14.45-15.00	Impact of cadastre on economic growth  <b>Velta Parsova, Edvins Kapostins</b> <i>Latvia University of Agriculture</i>  <b>Virginija Gurskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.00-15.15	Land Resources Planning and Management  <b>Vilma Sudonienė, Virginija Atkocevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.15-15.30	Relief information renewal in GIS data collection with LIDAR method  <b>Agnė Bykovienė, Daiva Gudritienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.30-15.45	Measure of real estate objects by photogrametric and laser scanning methods  <b>Jūratė Sužiedelytė-Visockienė, Renata Bagdžiūnaitė, Rūta Puzienė, Arminas Stanionis</b> <i>Vilnius Gediminas Technical University (Lithuania)</i>
15.45-16.00	Influence of vertical crust movements on accuracy of reference geodetic leveling network  <b>Ruta Puziene, Asta Anikeniene, Arminas Stanionis</b> <i>Vilnius Gediminas Technical University (Lithuania)</i>

16.00-16.10	Discussions
16.10-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>Evaluation of the natural value of land before and after planning procedures</li> </ul> <p><b>Iwona Cieślak, Karol Szuniewicz, Małgorzata Gerus-Gościewska</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p>
16.30-16.45	<p>Approaches for the planning of forest roads network according to environmental impact assessment</p> <p><b>Eugen Iordache, Mihai-Daniel Nita, Iosif Vorovencii, Stelian Alexandru Borz, Gheorghe Ignea</b> <i>Transilvania University of Braşov (Romania)</i></p> <p><b>Vasileios Drosos</b> <i>Democritus University of Thrace (Greece)</i></p>
16.45-17.00	<p>Close-knit communities, examples of community collaboration and innovations in land resources to enhance the tourism product in the Sheep's Head Peninsula, Ireland</p> <p><b>Gráinne Dwyer</b> <i>Mary Immaculate College, Limerick (Ireland)</i></p>
17.00-17.15	<p>Agricultural land use in the Krekenava regional park and Naujamiestis subdistric</p> <p><b>Audrius Aleknavičius, Giedrė Ivavičiūtė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.15-17.30	<p>Influence of reparcelling of land plots on landscape</p> <p><b>Giedrius Balevičius, Vaiva Stravinskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.30-17.45	<p>Substantiation of the ways for achievement of the land reform in Ukraine under the modern conditions</p> <p><b>Oleksander Kovaliv</b> <i>Institute of Agroecology and Nature Management of National Academy of Agrarian Sciences of Ukraine (Ukraine)</i></p> <p><b>Audrius Aleknavičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.45-18.00	Discussion

**Section 3A, Friday 29<sup>th</sup> November, 2013, room No. 212 (VIII building,  
Studentų str. 15b, Akademija)**

*Chairpersons prof. dr. Heinz Roehle, prof. dr. Laima Česonienė*

9.00-9.15	<p>The contribution of the natural environment to sustainable development on the example of rural areas in the Region of Warmia and Mazury</p> <p><b>Marta Gwiaździńska-Goraj, Sebastian Goraj</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p>
9.15-9.30	<p>The quality of wolf population in Lithuania according to hunting in 2005-2013</p> <p><b>Renata Špinkytė-Bačkaitienė, Kęstutis Pételis</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
9.30-9.45	<p>The influence of universal bioorganic nano fertilizer NAGRO on spring barley crop productivity</p> <p><b>Vidmantas Spruogis, Anželika Dautartė, Algirdas Gavenauskas, Edmundas Bartkevičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
9.45-10.00	<p>Ni<sup>2+</sup> Ion removal from contaminated solutions using synthetic zeolites</p> <p><b>Ernestas Zaleckas, Valdas Paulauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
10.15-10.30	<p>The influence of management and conservation on chemical properties of peat soil</p> <p><b>Kristina Amalevičiūtė, Alvyra Šlepetienė, Jonas Šlepetys, Inga Liaudanskiė</b> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></p>
10.30-10.45	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• The influence of long-term organic farming on segetic flora composition in the eastern galega (<i>Galega orientalis</i> Lam.) crop</li> </ul> <p><b>Juozas Pekarskas, Vidmantas Spruogis, Anželika Dautartė, Algirdas Gavenauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Functional zoning and recreational load-bearing capacity of Dubysa regional park</li> </ul> <p><b>Gediminas Palekas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <ul style="list-style-type: none"> <li>• Sexual dimorphism in the body and skull of the pine marten (<i>M. martes</i>) and stone marten (<i>M. foina</i>) from Lithuania</li> </ul> <p><b>Jolanta Stankevičiūtė, Kęstutis Pételis, Giedrius Šidlauskas, Zanda Bērziņa, Eligijus Laurinavičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
10.45-11.00	<p>Reduction of environmental impact using timber bridges on forest roads</p> <p><b>Stelian Alexandru Borz, Gheorghe Ignea, Eugen Iordache, Rudolf</b></p>

	<p><b>Derczeni, Ilie Oprea, Valentina Doina Ciobanu, Cezar Scriba, Marius Mihăilă</b> <i>Transilvania University of Brasov (Romania)</i></p>
11.00-11.15	<p>Apparent volumic mass models for pulpwood Norway spruce logs</p> <p><b>Razvan V. Campu, Arcadie Ciubotaru</b> <i>Transilvania University of Brasov (Romania)</i></p>
11.15-11.30	<p>The generalised height-diameter equations of scots pine (<i>Pinus sylvestris</i> L.) trees in Lithuania</p> <p><b>Edmundas Petrauskas, Petras Rupšys</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.30-11.45	<p>Evaluation aspects of return on assets and equity in state forestry in Lithuania</p> <p><b>Marius Kavaliauskas, Gintautas Činga, Romualdas Deltuvas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
11.45-12.00	<p>Employing used railway ties for retaining walls construction on forest roads – a three level approach: ecology, economy and technical prescriptions</p> <p><b>Gheorghe Ignea, Stelian Alexandru Borz, Eugen Iordache, Rudolf Derczeni, Marius Mihailă, Cezar Scriba</b> <i>Transilvania University of Brasov (Romania)</i></p>
12.00-12.15	<p>Influence of meteorological factors on the phenological phases of ephemeroids</p>
	<p><b>Discussion and Poster session</b></p> <ul style="list-style-type: none"> <li>• Phosphorus and potassium migration in different crop rotations <b>Saulius Gužys</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• Communities of ground beetles (Insecta: Coleoptera) in places with different relief <b>Ovidijus Mikša, Ligita Baležentienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>• <b>Algimantas Žiogas</b> <i>Aleksandras Stulginskis University (Lithuania)</i> <i>Lithuanian Research Centre for Agriculture and Forestry (Lithuania)</i></li> </ul>

## SECTION 4. SOCIAL INNOVATIONS OF REGIONAL RURAL DEVELOPMENT

**Section 4A, Thursday 28<sup>th</sup> November, 2013, room No. 204 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons prof. dr. Vilija Aleknevičienė, MCs, PhD. Vaida Stulpinienė*

14.00-14.15	<p>The impact of the Common Agricultural Policy on the farm income and its determinants</p> <p><b>Jindrich Spicka</b> <i>University of Economics, Prague (Czech Republic)</i></p>
14.15-14.30	<p>Financing trends in Estonian rural enterprises during the period of 2005-2010</p> <p><b>Oliver Sakk, Maire Nurmet, Anne Põder</b> <i>Estonian University of Life Sciences (Estonia)</i></p>
14.30-14.45	<p>Finding Financial Distress Predictor of Farms</p> <p><b>Vaida Stulpinienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Gunita Mazūre</b> <i>Latvia University of Agriculture (Latvia)</i></p>
14.45-15.00	<p>Income structure of the rural population with precarius income</p> <p><b>Kalinowski Slawomir</b> <i>Poznań University of Life Sciences, Department of Economics (Poland)</i></p>
15.00-15.15	<p>Rural communities public project valuation using cost-benefit analysis</p> <p><b>Jurgita Baranauskiene, Vilija Alekneviene</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.15-15.30	<p>The process of foreign capital acquisition by special economic zones in Poland</p> <p><b>Wieslawa Lizinska, Roman Kisiel, Izabela Serocka</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p>
15.30-15.45	<p>Comparative Cost Analysis of Fish Processing in the Baltic Countries</p> <p><b>Ieva Leimane, Agnese Krieviņa</b> <i>Latvia State Institute of Agrarian Economics, Latvia University of Agriculture (Latvia)</i></p> <p><b>Aleksejs Nipers</b> <i>RISEBA Institute of Economics and Business (Latvia)</i></p>
15.45-16.00	<p><b>Discussions</b></p>
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• Selected effects of financing Polish and Lithuanian farms</li> </ul> <p><b>Zofia Koloszko-Chomentowska</b> <i>Bialystok University of Technology (Poland)</i></p>

	<ul style="list-style-type: none"> <li>Functioning of immovable property tax system environment in Latvia</li> </ul> <p><b>Sandra Štucere, Gunita Mazūre</b> <i>Latvia University of Agriculture (Latvia)</i></p>
16.30-16.45	<p>SMEs financial reporting convergence: current developments</p> <p><b>Jiří Strouhal</b> <i>University of Economics Prague (Czech Republic)</i></p> <p><b>Sorana Manoiu, Carmen Bonaci, Maria Damian, Razvan Mustata</b> <i>Babes-Bolyai University Cluj Napoca (Romania)</i></p>
16.45-17.00	<p>Increasing the effectiveness of agri-environmental measures in Lithuania: guidelines for the practical implementation of result-oriented payments</p> <p><b>Gerald Schwarz</b> <i>Thünen Institute of Farm Economics (Germany)</i></p> <p><b>Žymantas Morkvėnas</b> <i>Baltic Environmental Forum (Lithuania)</i></p>
17.00-17.15	<p>Green investing. Investing based on environmental protection criteria</p> <p><b>Beata Domańska-Szaruga</b> <i>Siedlce University of Natural Sciences and Humanities (Poland)</i></p> <p><b>Aneta Wysokińska-Senkus</b> <i>Poznań University of Life Sciences (Poland)</i></p>
17.15-17.25	<p>Environmental fiscal reforms in the EU: situation analysis</p> <p><b>Astrida Slavickienė, Vida Čiulevičienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
17.25-17.30	<p>Discussion</p>

**Section 4B, Thursday 28<sup>th</sup> November, 2013, room No. 214 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons assoc. prof. dr. Valerija Vinciūnienė, MSc. PhD student Anastasija Novikova*

14.00-14.15	<p>Economic security in the context of sustainability</p> <p><b>Aneta Wysokińska-Senkus</b> <i>Poznań University of Life Sciences (Poland)</i></p> <p><b>Konrad Raczkowski</b> <i>University of Social Sciences (Poland)</i></p>
14.15-14.30	<p>Willingness of lithuanian households to pay for electricity produced from renewables</p> <p><b>Dalia Štreimikienė, Asta Mikalauskienė</b> <i>Lithuanian energy institute (Lithuania)</i></p>

14.30 -14.45	<p>Sustainability assessment of electricity market models</p> <p><b>Indre Šiksnelytė</b> <i>Vilnius University, Kaunas Faculty of Humanities (Lithuania)</i></p>
14.45-15.00	<p>Significance of less favoured area measures for income generation of family farm in Lithuania</p> <p><b>Vlada Vitunskienė, Anastasija Novikova</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.00-15.15	<p>Biogas production in Latvia: the current state and future forecasts</p> <p><b>Sandija Zēverte-Rivža</b> <i>Latvia University of Agriculture (Latvia)</i></p>
15.15-15.30	<p>Peculiarities and effects of agroforestry</p> <p><b>Daiva Makutėnienė, Giedrė Kleibaitė, Valdemaras Makutėnas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p>
15.30-15.45	<p>The impact of the free trade agreement on the sustainable rural development of the Barahona region</p> <p><b>Beatriz Urbano López de Meneses</b> <i>Valladolid University (Spain)</i></p> <p><b>Fernando González-Andrés</b> <i>Leon University (Spain)</i></p>
15.45-16.00	Discussions
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>• Sustainable use of bio-resources of agricultural origin: the basis of bioeconomy in Latvia</li> </ul> <p><b>Arnis Lenerts</b> <i>Latvia University of Agriculture (Latvia)</i></p> <ul style="list-style-type: none"> <li>• The necessity of land consolidation assessment in Latvia</li> </ul> <p><b>Dace Platonova, Anda Jankava</b> <i>Latvia University of Agriculture (Latvia)</i></p>
16.30-16.45	<p>Conditions underlying the agricultural land turnover in Poland in the context of institutional solutions</p> <p><b>Renata Marks-Bielska, Karolina Babuchowska</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p> <p><b>Bartosz Mickiewicz</b> <i>Pomeranian University of Technology (Poland)</i></p>
16.45-17.00	<p>Energy efficiency innovations in buildings: willingness to pay for small chp in buildings</p> <p><b>Asta Mikalauskiene, Dalia Štreimikiene</b> <i>Lithuanian energy institute (Lithuania)</i></p>

17.00-17.15	Subsidies allocation in Moldova: a real breakthrough to agricultural development?  <b>Liliana Cimpoieș</b> <i>The State Agrarian University of Moldova (Republic of Moldova)</i>
17.15-17.30	Analysis the Transition Matrix of Unemployment on the Hungarian Rural Areas  <b>Katalin Lipták</b> <i>University of Miskolc ( Hungary)</i>
17.30-17.45	The evaluation of demographic indicators in rural and urban municipalities in Latvia  <b>Zane Bulderberga</b> <i>Latvia University of Agriculture (Latvia)</i>
17.45-18.00	Support for provision of agri-environmental public goods under agri-environmental measures in Lithuania  <b>Valerija Vinciūnienė, Vlada Vitunskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
18.00-18.15	Discussions

**Section 4C, Thursday 28<sup>th</sup> November, 2013, room No. 201 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons MSc. PhD Oana-Raluca Glavan, dr. Piotr Senkus*

14.00-14.15	Sustainable management and promotion of territory. Several results from Umbria, Italy  <b>Adriano Ciani, Francesco Diotallevi</b> <i>University of Perugia (Italy)</i>
14.15-14.30	The problem of social exclusion of the elderly in rural areas  <b>Gintarė Vazonienė, Bernardas Vazonis</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
14.30-14.45	Rurban landscape classification: case of Lithuania  <b>Erika Zaleskienė, Indrė Gražulevičiūtė-Vilenišké</b> <i>Kaunas University of Technology (Lithuania)</i>
14.45-15.00	Application of common assessment framework to evaluate performance of leaders in public sector  <b>Rūta Adamonienė</b> <i>Mykolas Romeris University (Lithuania)</i>  <b>Rūta Čiutienė</b> <i>Kaunas University of Technology (Lithuania)</i>
15.00-15.15	Stakeholders' perspectives on farmer – typologies in the context of environmentally friendly production  <b>Peter Walder</b> <i>University of Natural Resources and Life Sciences (Austria)</i>



	<p><b>Jochen Kantelhardt</b> <i>University of Natural Resources and Life Sciences (Austria)</i></p>
15.15-15.30	<p>Research of agro-tourism stage and traditional products through activity in the Alps Trento Province</p> <p><b>Ramona Ciolac, Cornelia Petroman, Ioan Petroman, Ciprian Rujescu, Sorin Stanciu, Simona Martin</b> <i>Banat`s University of Agricultural Sciences and Veterinary Medicine (Romania)</i></p> <p><b>Andrea Romana Tucudean</b> <i>West University "Vasile Goldis" (Romania)</i></p>
15.30-15.45	<p>Research of service quality as expression of social efficiency in the agrotourism</p> <p><b>Simona Cristina Martin, Ramona Ciolac, Sorin Stanciu, Carmen Dumitrescu Oana Palade</b> <i>Banat`s University of Agricultural Sciences and Veterinary Medicine (Romania)</i></p>
15.45-16.00	Discussions
16.00-16.30	<b>Coffee break</b>
16.30-16.45	<p>Agro-tourism a chance for European mountain areas</p> <p><b>Ramona Ciolac, Tiberiu Iancu, Ciprian Rujescu, Anda Milin, Iuliana Merce, Diana Marin, Ana Mariana Dincu, Sorin Stanciu</b> <i>Banat`s University of Agricultural Sciences and Veterinary Medicine (Romania)</i></p>
16.45-17.00	<p>Interconnection of the elements of the territorial development process</p> <p><b>Jelena Lonska, Vera Boronenko</b> <i>Daugavpils University (Latvia)</i></p>
17.00-17.15	<p>Social capacity building in rural Aymara women organizations in Puno, Peru</p> <p><b>Susana Sastre-Merino, María José Fernández-Moral, Ignacio de los Ríos-Carmenado</b> <i>Technical University of Madrid (Spain)</i></p>
17.15-17.30	<p>Marketing 3.0: the challenge for private, public and non-profit sector, theoretical approach</p> <p><b>Piotr Senkus</b> <i>Poznań University of Life Sciences (Poland)</i></p>
17.30-17.45	<p>Problems and opportunities for development of Lithuanian marine fisheries sector in the context of Lithuanian marine cluster formation</p> <p><b>Violeta Grublienė</b> <i>Klaipėda University; Klaipėda State College (Lithuania)</i></p> <p><b>Rasa Grigolienė</b> <i>Klaipėda State College (Lithuania)</i></p>
17.45-18.00	<p>Challenges of successful managers of small companies in regions of Latvia</p> <p><b>Inara Kantane, Anastasija Vilcina</b> <i>Academy of Agriculture Sciences and Forestry (Latvia)</i></p> <p><b>Biruta Sloka</b> <i>University of Latvia (Latvia)</i></p>

18.00-18.15	Specific nature and issues of the acquisition of real property (a land lot) and purchase-sale agreements  <b>Audronė Žemeckė</b> <i>Mykolas Romeris University (Lithuania)</i>
18.15-18.30	Discussion

**Section 4D , Thursday 28<sup>th</sup> November, 2013, room No. 108 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairperson dr. Rita Mičiulienė, prof. dr. Sigitas Daukilas*

14.00-14.20	Independent learning in higher education: what is important to students?  <b>Vilma Žydžiūnaitė, Margarita Teresevičienė, Genutė Gedvilienė, Ina Klimavičienė</b> <i>Vytautas Magnus University (Lithuania)</i>
14.20-14.40	Possibilities of elderly intelligent women from rural areas to influence social capital  <b>Aldona Palujanskienė, Rita Mičiulienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
14.40-15.00	Expression of the principle of social justice in health care system in rural areas  <b>Rita Garškaitė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>  <b>Irayda Jakušvaitė</b> <i>Lithuanian University of Health Sciences</i>
15.00-15.20	The strengthening of learners' link with profession as a factor of vocational education quality assurance (lithuanian agricultural schools research)  <b>Eugenijus Danilevičius</b> <i>Vytautas Magnus University (Lithuania)</i>
15.20-15.40	The importance of students' ecocultural competence and possibilities for its development teaching foreign languages  <b>Raminta Barzdžiukienė, Giedrė Klimovienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
15.40-16.00	Discussions
16.00-16.30	<b>Coffee break</b>
16.30-16.50	Peculiarities of vocational training and career guidance in families with many children: the case of Lithuania  <b>Sigitas Daukilas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
16.50-17.10	Promoting physical activity while applying educational counselling in a professional school setting in countryside  <b>Audronė Dumčienė, Vinga Indriūnienė</b>

	<i>Lithuanian Sports University (Lithuania)</i>
17.10-17.30	The manifestation of adolescents' intentions to react in provoking situations at school  <b>Saulius Šukys</b> <i>Lithuanian Sports University (Lithuania)</i>  <b>Rimantas Dapkus, Aušra Lisinskiene</b> <i>Kaunas University of Technology (Lithuania)</i>
17.30-17.50	Tendencies for rural youth personality development  <b>Aldona Palujanskienė, Bronislavas Krikščiūnas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
17.50-18.10	Family with Parents Abroad in the context of province  <b>Irma Kačiniene, Albinas Pugevičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
18.10-18.30	Styles of interactive adult learning in education and business communities  <b>Judita Kasperiušienė, Sigitas Daukilas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>

**Section 4A, Friday 29<sup>th</sup> November, 2013, room No. 108 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons: Prof. dr. Adriano Ciani, MSc. PhD student Darius Jazepčikas,*

9.00-9.15	Sustainable and economic management of forest resources: a strategic case study from Italy  <b>Francesco Diotallevi, Andrea Marchini, Rossella Pampanini, Adriano Ciani</b> <i>University of Perugia (Italy)</i>
9.15-9.30	Development of optimal models for sustainable management of tourist areas in the republic of Karelia  <b>Inna V. Chubieva</b> <i>Institute of economics Karelian research center of Russian academy of science (Russia)</i>
9.30-9.45	Enhancing the competitiveness of tourism through cultural heritage as a tourism product  <b>L. Jeroscenkova, M. Kruzmetra, B. Rivza</b> <i>Latvia University of Agriculture (Latvia)</i>
9.45-10.00	Business process management and application to agricultural sector  <b>Piotr Senkus</b> <i>Poznan University of Life Sciences (Poland)</i>  <b>Jonas Čėsna</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
10.15-10.30	Social economy as a social innovation in rural development

	<b>Eva G. Fekete</b> <i>University of Miskolc (Hungary)</i>
10.30-10.45	<b>Coffee break</b>
10.45-11.00	Deployment of urban agriculture in east Lima, Peru  <b>Javier Morales, Ramón Zamorano, Miguel Salvo</b> <i>Technical University of Madrid (Spain)</i>
11.00-11.15	Discussions

**Section 4B, Friday 29<sup>th</sup> November, 2013, room No. 201 (2<sup>nd</sup> building, Studentų str. 15, Akademija)**

*Chairpersons: dr. Gintarė Vazonienė, assoc. prof. dr. Audrius Gargasas*

9.00-9.15	Effectiveness and maturity of quality oriented organizations  <b>Adam Skrzypek</b> <i>Maria Curie-Skłodowska University in Lublin (Poland)</i>
9.15-9.30	Food craft – the solution of non-traditional agriculture development  <b>Dace Viksne</b> <i>Latvia University of Agriculture (Latvia)</i>  <b>Līga Proskina, Sallija Cerina</b> <i>Latvia University of Agriculture (Latvia)</i> <i>Research Institute of Biotechnology and Veterinary Medicine „Sigra” of Latvia</i>
9.30-9.45	Mass catering and local agrifood systems in Lombardy  <b>Corsi Stefano, Spigarolo Roberto, Bocchi Stefano, Ferrazzi Giovanni Porro Andrea, Tosini Andrea</b> <i>University of Milan (Italy)</i>
9.45-10.00	Role of social CRM in social portals in the era of sustainability  <b>Wioletta Wereda, Katarzyna Woźniak</b> <i>University of Natural Sciences and Humanities in Siedlce (Poland)</i>
10.15-10.30	Knowledge management as a tool supporting corporate social responsibility in terms of sustainable development  <b>Adam Skrzypek</b> <i>Maria Curie-Skłodowska University in Lublin (Poland)</i>
10.30-10.45	<b>Coffee break and Poster session</b>  <ul style="list-style-type: none"> <li>• Product policy and marketing operational frameworks of the organic agricultural products and foodstuffs market  <b>Natalia Stepanenko</b> <i>Zhytomyr National Agroecological University (Ukraine)</i></li> <li>• Integrated marketing communication: theoretical approach  <b>Rimkienė Indrė</b> <i>Aleksandras Stulginskis University (Lithuania) poster</i></li> <li>• Agri-environment measures under the Rural Development Program 2007-2013 for improving the environment and the countryside in north-eastern Poland</li> </ul>

	<b>Krystyna Kurowska, Hubert Kryszk</b>
10.45-11.00	Engaging final customers into marketing activities <b>Miłosz Łuczak</b> <i>Poznań University of Economics (Poland)</i>
11.00-11.15	Households with internet access in Latvia and Lithuania: similarities and differences <b>Daiva Rimkuvienė,</b> <i>Aleksandras Stulginskis University (Lithuania)</i> <b>Anna Vintere</b> <i>Latvia University of Agriculture (Latvia)</i>
11.15-11.30	A new model for cash management <b>H. Serdar Yalçinkaya</b> <i>International HA Kazak-Turk University (Turkey)</i>
11.30-11.45	Integrated frameworks to implement sustainable management system <b>Piotr Senkus</b> <i>Poznań University of Life Sciences (Poland)</i>
11.45-12.00	Agricultural and food product quality label impact on the brand equity <b>Vitalija Vanagienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
12.00-12.15	Social business development in rural areas <b>Rasa Rukuižienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
12.15-12.30	Innovation of information management in logistic service providing companies <b>Audrius Gargasas, Indra Mūgienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
12.30-12.45	Influence means fostering competencies of social entrepreneurship <b>Rūta Adamonienė</b> <i>Mykolas Romeris University (Lithuania)</i> <b>Vytautas Pilipavičius</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
12.45-13.00	An importance of emotional intellect for performance efficiency: managers' sampler <b>Karolis Ramanauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i>

## Section 5. Future and Present Policy of Agriculture and Rural Development

**Thursday 28<sup>th</sup> November, 2013, room No. 211 (IV building, Universiteto str. 8a, Akademija)**

*Chairpersons assoc. prof. dr. Jan Žukovskis, assoc. prof. dr. Renata Marks-Bielska*

14.00-14.15	<p>LAGas driving force for the development of local agrifood systems</p> <p><b>Ferrazzi Giovanni, Corsi Stefano, Stefano Tosini Andrea</b> <i>University of Milan (Italy)</i></p>
14.15-14.30	<p>Determinants of state agricultural land market</p> <p><b>Renata Marks-Bielska, Karolina Babuchowska</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></p> <p><b>Bartosz Mickiewicz</b> <i>Pomeranian University of Technology (Poland)</i></p>
14.30-14.45	<p>Infrastructure and sustainable rural development in some theoretical aspects</p> <p><b>Małgorzata Dolata</b> <i>Poznań University of Life Sciences (Poland)</i></p>
14.45-15.00	<p>Use of agricultural land in the parishes of Latvia</p> <p><b>Irina Pilvere, Aleksejs Nipers</b> <i>Latvia University of Agriculture (Latvia)</i></p> <p><b>Juris Zarins</b> <i>Latvian State Forest Research Institute "Silava" (Latvia)</i></p>
15.00-15.15	<p>Possible implementation of the payment to young farmers within the first pillar of the common agricultural policy in Wallonia</p> <p><b>Philippe Burny, François Therrones Gavira</b> <i>Walloon Agricultural Research Center (Belgium)</i></p>
15.15-15.30	<p>The relationship between capital stock value development and selected agricultural sector's characteristics in new EU countries</p> <p><b>Lubos Smutka, Richard Selby</b> <i>Czech University of Life Sciences in Prague (Czech Republic)</i></p>
15.30-15.45	<p>Assessment of the level of economic development of rural areas of Northern Poland</p> <p><b>Aleksandra Jezierska-Thöle</b> <i>Nicolaus Copernicus University (Poland)</i></p> <p><b>Marta Gwiazdzinska-Goraj</b></p>

	<i>University of Warmia and Mazury (Poland)</i>
15.45-16.00	<b>Discussions</b>
16.00-16.30	<p><b>Coffee break and Poster session</b></p> <ul style="list-style-type: none"> <li>Financing of rural development in Romania - present and perspectives <b>Andrea Feher, Vasile Goşa, Tabita Hurmuzache, Miroslav Raicov</b> <i>Banat's University of Agricultural Sciences and Veterinary Medicine (Romania)</i></li> <li>Impact of silk culture relaunch on the development of Danube-Kris-Mures-Tisza Euroregion <b>Palade Oana, Martin Simona Cristina, Csoz Ioan</b> <i>University of Agricultural Sciences and Veterinary Medicine (Romania)</i></li> <li>Conflict management between national government and local community groups in Africa regions <b>Eglė Štareikė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></li> <li>Evaluation of competitiveness' factors by rural area inhabitants <b>Ligita Šimanskienė, Gabrielė Burbulytė-Tsiskarishvili</b> <i>Klaipėda University (Lithuania)</i></li> <li>Policy promoted vs. natural clusters: the case of Riga region, Latvia <b>Zanete Garanti, Andra Zvirbule-Berzina</b> <i>Latvia University of Agriculture (Latvia)</i></li> </ul>
16.30-16.45	<p>The growth of rural entrepreneurship in the context of the implementation of the rural development programme in 2007-2013</p> <p><b>Karolina Babuchowska, Renata Marks-Bielska</b> <i>University of Warmia and Mazury (Poland)</i></p>
16.45-17.00	<p>Regional Economy and Employment in the Slovak Republic</p> <p><b>Katarína Zemková, Ľubica Bartová</b> <i>Slovak University of Agriculture in Nitra (Slovakia)</i></p>
17.00-17.15	<p>The model of assessing the impact of electricity market liberalization on competitiveness of economy</p> <p><b>Dalia Štreimikienė</b> <i>Vilnius University (Lithuania)</i></p> <p><b>Akvilė Cibinskienė</b> <i>Kaunas University of Technology (Lithuania)</i></p>

17.15-17.30	Improvement of organizational mechanism for joint activities of rural development actors  <b>Vilma Atkočiūnienė, Rasa Pakeltienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
17.30-17.45	Decisions of alternative rural business development in the context of motivation of rural citizens  <b>Adelė Astromskienė, Jadvyga Ramanauskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>  Elements of good governance model in the municipalities: the case of Lithuania  <b>Jan Žukovskis, Daiva Urmonienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i>
17.45-18.00	Discussion

**Friday 29<sup>th</sup> November, 2013, room No. 204 (2<sup>nd</sup> building, Universiteto str. 15, Akademija)**

*Chairpersons prof. dr. Vilma Atkočiūnienė, prof. dr. Vladimiras Gražulis*

9.00-9.15	Rural development policies and land use change: the Lombardy case study  <b>Guido Sali, Stefano Corsi, Chiara Mazzocchi</b> <i>University of Milan (Italy)</i>
9.15-9.30	European innovation partnership (EIP) implementation: how to realise the bottom-up principle?  <b>S. v. Münchhausen, A. M. Häring</b> <i>University for Sustainable Development Eberswalde (Germany)</i>
9.30-9.45	Administrative policies regarding adjustment of the Lithuanian labour market in the context of regional (rural) employment policy  <b>Vladimiras Gražulis</b> <i>Mykolas Romeris University (Lithuania)</i>  <b>Jolita Naujalienė</b> <i>University of applied sciences (Lithuania)</i>
9.45-10.00	Improvement in culture centre activities in rural regions  <b>Rimantas Dapkus</b> <i>Kaunas University of Technology (Lithuania)</i> <b>Kristina Dapkutė</b> <i>Vilnius University (Lithuania)</i>
10.15-10.30	The LEADER rural development programs in Spain profile and functions of workers in local action groups  <b>José Luis Yagüe, V. Luis de Nicolás, José Luis Martínez, Ramon Zamorano</b>
10.30-10.45	<b>Coffee break and Poster session</b>



	<ul style="list-style-type: none"> <li>The importance of information provision in revealing the possibilities of strengthening urban-rural linkages <b>Aldona Čiūtienė, Rimantas Čiūtas</b> <i>Aleksandras Stulginskis university (Lithuania)</i></li> <li>Implementation of the leader approach on the example of local action groups and fisheries local action groups in the region of Warmia and Mazury <b>Piotr Szamrowski, Katarzyna Pawlewicz poster</b> <i>University of Warmia and Mazury in Olsztyn (Poland)</i></li> </ul>
10.45-11.00	<p>Agricultural policy adaptation measures to future water quality and quantity requirements</p> <p><b>Klaus Wagner</b> <i>Federal Institute of Agricultural Economics (Austria)</i></p>
11.00-11.15	<p><b>Is organic farming the solution for the future of Walloon agriculture?</b></p> <p><b>Philippe Burny, Frederic Debode</b> <i>Walloon Agricultural Research Center (Belgium)</i></p>
11.15-11.30	<p>Scenario forecasting the number of the working-age population of the Russian federation in the system of regulation of rural development</p> <p><b>Tatiana Blinova, Svetlana Bylina</b> <i>Institute of Agrarian Problems of the Russian Academy of Sciences (Russia)</i></p>
11.30-11.45	<p>Ex ante socio economic impact assessment. A case study on the rural development programmes of the European Union</p> <p><b>Pablo Vidueira, José M. Díaz-Puente, María Rivera</b> <i>Technical University of Madrid (Spain)</i></p>
12.45-13.00	<b>Discussion</b>

## Political forum: 2007-2013 Experience and 2014-2020 Rural Development Programmer Perspective

**Thursday 28<sup>th</sup> November, 2013, room No. 214 (IV building, Universiteto str. 8a, Akademija)**

14.00-14.50	<p><b>Linkages Between the First and Second CAP Pillars and Competitiveness of Baltic Farmers</b></p> <p><b>Moderator: prof. dr. Antanas Maziliauskas</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Rapporteur:</b></p> <p><b>Presentation: Dr. Karlheinz Knickel</b> <i>University of Frankfurt (Germany)</i></p>
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	<p><b>DEBATERS:</b></p> <p><b>Mindaugas Kuklierius</b> <i>Ministry of Agriculture of the Republic of Lithuania (Lithuania)</i></p> <p><b>Dr. Vlada Vitunskienė</b> <i>Aleksandras Stulginskis University (Lithuania)</i></p> <p><b>Dr. Rasa Melnikienė</b> <i>Lithuanian institute of Agrarian Economics (Lithuania)</i></p> <p><b>Prof. dr. Adriano Ciani</b> <i>Perugia university (Italy)</i></p>
15.00 – 16.00	<p><b>Support of Agriculture and Rural Development in 2014-2020</b></p> <p><b>Moderator: dr. Eglė Stonkutė</b> <i>Baltic Institute for Research and Development (Lithuania)</i></p> <p><b>Rapporteur: dr. Lubos Smutka</b> <i>Czech University of Life Sciences in Prague (Czech Republic)</i></p> <p><b>Presentation:</b></p> <p><b>Debaters:</b></p> <p><b>Prof. dr. Guido Van Huylenbroeck</b> <i>Gent University (Belgium)</i></p> <p><b>Prof. dr. Dalia Štreimikienė</b> <i>Vilnius University (Lithuania)</i></p> <p><b>Dr. Edvardas Makelis</b> <i>Lithuanian Agricultural Advisory Service (Lithuania)</i></p> <p><b>Prof. dr. Heinz Roehle</b> <i>Dresden'so technikos universitetas (Germany)</i></p> <p><b>Prof. dr. Irina Pilvere</b> <i>Latvia University of Agriculture (Lithuania)</i></p>
16.00 – 16.20	Coffee break
16.20 – 17.10	<p><b>Community – Led Local Development and the LEADER Initiative Perspective</b></p> <p><b>Moderator: Lina Gumbrevičienė</b> <i>The Centre for LEADER Programme and Agricultural Training Methodology (Lithuania)</i></p> <p><b>Rapporteur:</b></p> <p><b>Presentation:</b></p> <p>The LEADER Model of Rural Development – The Irish Experience. <b>Brendan O’Keeffe</b> <i>University of Limerick (Ireland)</i></p> <p><b>Indicative questions for open discussion:</b></p> <ul style="list-style-type: none"> <li>➤ Poverty reduction and youth involvement actions in implementation CLLD</li> <li>➤ How to encourage social business? What are the experiences? How social business works?</li> </ul>

	<p><b>Debaters:</b></p> <p><b>Reda Kneizevičienė</b> <i>Lithuanian Association of Rural Communities (Lithuania)</i></p> <p><b>Dr. Jurgita Stakėnienė</b> <i>Ministry of Agriculture of the Republic of Lithuania (Lithuania)</i></p> <p><b>Dr. Chiara Mazzocchi</b> <i>University of Milan (Italy)</i></p>
17.10 – 18.00	<p><b>The European Innovation Partnership: New Opportunities for Agricultural Science</b></p> <p><b>Moderator: Prof. dr. habil. Baiba Rivža</b> <i>Latvia University of Agriculture (Latvia)</i></p> <p><b>Rapporteur:</b></p> <p><b>Presentation:</b></p> <p>European Innovation Partnership (EIP) Implementation: How to Realise the Bottom-Up Principle?</p> <p><b>S. v. Münchhausen, A. M. Häring</b> <i>University for Sustainable Development Eberswalde (Germany)</i></p> <p><b>Indicative questions for open discussion:</b></p> <ul style="list-style-type: none"> <li>➤ How regional / transnational cooperation could accelerate innovation dissemination process in the EU countries? Possible benefits and bottlenecks?</li> <li>➤ What are the roles of European Innovation Partnership on Agricultural Productivity &amp; Sustainability?</li> <li>➤ What are experiences of Innovations Networks and Cooperation projects in current programming period at transnational / regional level?</li> </ul> <p><b>Debaters:</b></p> <p><b>Dr. Svein Skøien</b> <i>Nordic Association of Agricultural Scientists (Norway)</i></p> <p><b>Dr. Zita Duchovskienė</b> <i>Ministry of Agriculture of the Republic of Lithuania (Lithuania)</i></p> <p><b>Dr. Magdalena Kozera</b> <i>Poznan university of Life Sciences (Poland)</i></p>
18.00 – 18.15	<p>Closure of Forum: reflections, feedbacks and conclusions</p>