**Latvijas Lauksaimniecības universitāte**

****

**Zinātniskās darbības publiskais pārskats**

****

**2012. gads**

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# 1. LLU darbības mērķi, mandāts, misija un vīzija

Latvijas Lauksaimniecības universitāte (LLU) ir Latvijas Republikas augstākās izglītības un zinātnes iestāde ar atvasinātas publiskas personas statusu, kura īsteno zinātniskos pētījumus un uz tiem balstītas akadēmiskās un profesionālās studiju programmas.

LLU darbības galvenais mērķis *ir nodrošināt augstākās akadēmiskās un profesionālās izglītības ieguves iespēju lauksaimniecības, veterinārmedicīnas, pārtikas, inženierzinātņu, mežu un sociālo zinātņu, informāciju tehnoloģiju un vides apsaimniekošanas jomās, kā arī attīstīt zinātni un uzturēt, izkopt Latvijas intelektuālo potenciālu un kultūru.*

LLU rīcībpolitikas mērķi ir šādi:

1. Nodrošināt nacionālas un reģionālas nozīmes universitātes statusam atbilstošu studiju kvalitāti, kas ļautu sagatavot Latvijas un starptautiskajā darba tirgū konkurētspējīgus speciālistus.
2. Attīstīt LLU zinātniskās darbības potenciālu starptautiski nozīmīgu pētījumu veikšanai, integrēt augstāko izglītību un pētījumus, kas nodrošinātu inovatīvu, zināšanu ietilpīgu tehnoloģiju ieviešanu Latvijas tautsaimniecībā, bet it īpaši – Zemgales reģionā.
3. Nodrošināt LLU kā nacionālas un reģionālas nozīmes izglītības, zinātnes un kultūras iestādes ilgtspējīgu attīstību:
   * nostiprinot LLU tiesisko bāzi;
   * optimizējot LLU darbības mērķiem atbilstošu organizatorisko struktūru;
   * attīstot sadarbību ar valsts institūcijām, augstākās izglītības un zinātnes iestādēm Latvijā un ārzemēs, uzņēmumiem un profesionālajām organizācijām, kā arī ar Zemgales reģiona institūcijām;
   * lietderīgi un efektīvi pārvaldot LLU materiāli-tehnisko bāzi un saimniecisko darbību.

**LLU misija** ir veidot intelektuālo potenciālu Latvijas, īpaši tās lauku, ilgtspējīgai attīstībai.

**LLU vīzija** – kļūt par modernu starptautiski atzītu un prestižu universitāti, kas aktīvi iekļaujas vienotā Eiropas augstākās izglītības un zinātnes telpā.

# LLU galvenās zinātniskās darbības funkcijas un uzdevumi

LLU darbība vērsta, lai attīstītu LLU zinātniskās darbības potenciālu starptautiski nozīmīgu pētījumu veikšanai, integrētu augstāko izglītību un pētījumus, kas nodrošinātu inovatīvu, zināšanu ietilpīgu tehnoloģiju ieviešanu Latvijas tautsaimniecībā, bet it īpaši – Zemgales reģionā.

Mērķa īstenošana paredz:

* pilnveidot zinātniskās darbības plānošanu, vadīšanu un rezultātu novērtēšanu;
* nostiprināt zinātniski pētnieciskās un tehnoloģiju pārneses bāzes attīstību un to saistību ar izglītību;
* paaugstināt zinātniskās darbības kvalitāti un iekļauties Eiropas un pasaules zinātnes apritē;
* veicināt tehnoloģiju pārnesi un pētījumu rezultātu komercializāciju;
* veicināt intelektuālā potenciāla atjaunošanos.

# Juridiskais statuss un struktūra

# Latvijas Lauksaimniecības universitāte ir atvasināta publiska persona. Latvijas Lauksaimniecības universitātes tīmekļa vietnes adrese ir [www.llu.lv](http://www.llu.lv) Latvijas Lauksaimniecības universitātes satversme elektroniskā veidā: <http://www.llu.lv/getfile.php?id=1076>

**4. Latvijas Lauksaimniecības universitātes zinātniskās darbības kvalitātes izvērtējuma informācija**

**4.1. Īstenotie pētījumu projekti**

**4.1.1. Starptautiskie projekti**

**Eiropas savienības ietvarprogrammas**

1. ES līdzfinansētās BONUS programmas RECOCA (*Reduction of Baltic Sea Nutrient Inputs and Cost Allocation within the Baltic Sea Catchment)* projekts. V.Jansons.
2. Līdzdalība IP projektā *Research for Fun* – Zinātnieku nakts 2012.
3. ES 7. Ietvara projects ICT-AGRI 235460 CSA “Coordination of European Research within ICT and Robotics in Agriculture and related Environmental Issues”, 2009.-2013, eksperts P. Rivža
4. ERA-Net projekts ERASynBio (Development and Cooridnation of Synthetic Biology in the European Research Area) Jurijs Meitalovs
5. ERA-NET-RURAGRI projekts Nr. 235175, B. Rivža Latvijas nacionālā koordinatore. 23,5 tūkst. EUR.

## COST

1. Cost akcija TD1107 Biochar as option for sustainable resource management 2012.-2016.gads (S.Strikauska)
2. Cost akcija FP0804 Forest Management Decision Support Systems (FORSYS) 2009.-2013.gads Dr.Dagnis Dubrovskis,

**DAAD**

Projekts Nr. L-194 - Baltijas - Vācijas Augstskolu biroja ar Vācijas Akadēmiskā apmaiņas dienesta **(DAAD)** līdzekļiem atbalstīts projekts „Posmkāji (Arthropoda) – putnu un sikspārņu barībā”, ko īsteno Latvijas Lauksaimniecības universitāte sadarbībā ar Berlīnes Leibnicas institūtu dzīvnieku izpētei nebrīvē un savvaļā (jūlijs-decembris). Projekta vadītājs asoc. prof. G.Pētersons. Finansējums 3254  LVL.

**OSMOZE**

Francijas un Latvijas sadarbības programma zinātnes un tehnoloģiju attīstības jomās “OSMOZE” “Comparison of composition and properties of forgotten aromatic plants and fungi of Latvia and Midi-Pyrenees” (2012–2013). ***R.Galoburda*** (**1335 Ls)**

**EUREKA**

**EUREKA**

Līdzdalība projektā EUREKA E!5363 „Optimization and adjustment of post–harvest parameters of Baltic vegetables in controlled atmosphere (BALTVEGSTOR)”. 2010–2012. B. Bankina.

Pārrobežu sadarbības projekti t.sk. Interreg

1. Sustainable equine industries promoting economically competitive and innovative regions (**INNOEQUINE**) LL10
2. Latvijas-Lietuvas Pārrobežu sadarbības programmas projektāNr. LLIV-318 Trifeļu sēņu izpēte un zemnieku un universitāšu sadarbības tīkla veidošana (*TRUFFLE*).**TRUFFLE LLIV-318 (A.Balode)**
3. Starptautiska Latvijas – Lietuvas pārrobežu sadarbības programmas projekta LL11/LLIV-222 FARA „Sadarbības tīkla izveide starp lopkopības nozares zinātniekiem un praktiķiem Z-Lietuvā un Zemgalē” partneris. Projekta darbības laiks 2012. – 2014. gads**FARA LLIV-222 (E.Aplociņa)**
4. Zemgales reģiona vides izzināšana un identitātes atšķirību saglabāšana (GREEN ENVIRONMENT)**Green Enviroment LLIII-123 (A.Dižgalve)** 2011-2012
5. Radoša un ekoloģiska dabisko materiālu izmantošana apkārtējās vides dekorēšanai (ECOART)**Ecoart LLIII-143 (L.Ozolniece)** 2010-2012
6. Pārrobežu sadarbības tīkls matemātikas kompetenču iekļaušanai reģiona sociālekonomiskajā attīstībā (MATNET)**MatNet LLIII-122 (A.Vintere)** 2011-2013
7. Sinerģētiska pieeja jaunu biznesu veicināšanai izmantojot e-studiju, televīziju un mobilo tehnoloģiju iespējas (eBig3)**eBig3 LLIII-183 (A.Balode)** 2011-2013
8. Zinātnes un ražošanas sadarbības veidošana Jelgavā un Šauļos (Science ft.Industry)**Science ft.Industry LLIII-160 (N.Osīts)** 2010-2012
9. Lat-Lit kop-projekts Development of Renewable Energy resouces and Improvement of Environmental Conditions **ENECO LLIV-254 (P.Kaļeiņikovs)**
10. Centrāl-Baltijas INTERREG IV A programmas 2007.- 2013. gadam projekta ,,Equine industries promoting economically competitive and innovative regions’’ pētniece, *S. Rivža*
11. Baltijas inovatīvo tehnoloģiju forums ilgtspējīgai kūtsmēslu pārvaldībai(Baltic MANURE) 2011-2013(K.Vārtukapteinis)
12. Interreg The Baltic Sea Region Bioenergy Promotion Project (11 valstu kopprojekts) 2009-2011 projekta vadītājs no LLU; ZV 78. Baltic Sea Region Bioenergy Promotion Project (11 valstu kopprojekts) 2009-2011 V.Dubrovskis projekta vadītājs no LLU (doc.A.Laizāns kontaktpunkta vadītājs no VSIA „Vides Projekti”puses)\*
13. Interreg finansēts projekts „BERAS (Baltic Ecological Recycling Agriculture and Society) implementation project to the Baltic Sea Region Programme 2007 – 2013”. **Kreišmane Dz.** Latvijas partnere projektā no LLU. (2007 – 2013).\*

\* Finansējums neiet caur LLU.

**Eiropas Savienības struktūrfondu lietišķo pētījumu projektu skaits un nosaukumi**

1. 2009/0207/1DP/1.1.1.2.0/09/APIA/VIAA/128 Latvijas starpaugstskolu zinātniskās grupas izveide sistēmbioloģijā, 2009-2012
2. 2009/0225/1DP/1.1.1.2.0/09/APIA/VIAA/129 Cilvēkresursu piesaiste atjaunojamo enerģijas avotu pētījumiem, 2009-2012
3. 2009/0212/1DP/1.1.1.2.0/09/APIA/VIAA/060 Starpnozaru zinātniskās grupas un modeļu sistēmas izveide pazemes ūdeņu pētījumiem,2009-2012
4. 2009/0232/1DP/1.1.1.2.0/09/APIA/VIAA/122 Pārtikas nozares zinātniski pētnieciskās grupas izveide, 2010-2012
5. 2010/0208/2DP/2.1.1.1.0/10/APIA/VIAA/146 Meža resursu ilgtspējīgas apsaimniekošanas plānošanas lēmumu pieņemšanas atbalsta sistēma,2010-2013
6. 2010/0305/2DP/2.1.1.1.0/10/APIA/VIAA/130 Elektroenerģijas izmantošana fizisko personu spēkratos, 2011-2013
7. 2010/0306/2DP/2.1.1.1.0/10/APIA/VIAA/128 Mehanizācijas līdzekļu izstrāde enerģētisko augu kurināmā kondicionēšanai, 2011-2013
8. 2010/0320/2DP/2.1.1.1.0/10/APIA/VIAA/107 Jaunu kompozītmateriālu izstrāde uz putuģipša bāzes ar šķiedraugu stiegrojumu un no tiem veidotu sistēmu pētījumi, 2011-2013
9. 2010/0313/2DP/2.1.1.1.0/10/APIA/VIAA/082 Organiskas izcelsmes produktu izvilkumu un to ietekmes izpēte augkopībā, 2011-2013
10. 2010/0279/2DP/2.1.1.1.0/10/APIA/VIAA/163 Kompleksās tehnoloģijas un mobilās iekārtas izstrāde un pētījums gāzveida biodegvielas kompresēšanai, uzkrāšanai un izlaišanai.
11. Eiropas Sociālā fonda darbības programmas 2007.-2013.gadam „Cilvēkresursi un nodarbinātība „ prioritātes 1.1. „Augstākā izglītība un zinātne” pasākuma 1.1.1. „Zinātnes un pētniecības potenciāla attīstība” aktivitātes 1.1.1.2. „Cilvēkresursu piesaiste zinātnei” projekta „Starpnozaru zinātniskās grupas izveidošana viedo tekstiliju jaunu funkcionālo īpašību attīstīšanai un integrēšanai inovatīvos izstrādājumos” (RTU un VIAA Nr.2009/0198/1DP/1.1.1.2.0/09./APIA/ VIAA/148).
12. Liela rādiusa bezvadu sensoru tīkla izstrāde precīzās lauksaimniecības pielietojumiem Latvijā. ESF finansēts LU aģentūras "Latvijas Universitātes Matemātikas un informātikas institūts" projekts. (2010. – 2013.) Dz. Kreišmane izpildītāja (vadošā skaitļošanas sistēmu analītiķe) projektā.
13. *ERAF projekts “Inovatīvas bioetanola dehidratēšanas tehnoloģijas un tā parametru noteikšanas mēriekārtu izstrāde”, izpildītājs.*

\* Finansējums neiet caur LLU.

**Atbalsts pārrobežu/starptautiskajai sadarbībai**

|  |  |  |  |
| --- | --- | --- | --- |
| **Projekta nosaukums** | **Eiropas Komisijas budžets vai citi resursi** | **Apjoms EUR** | **Īstenošanas**  **periods** |
| Zemgales reģiona vides izzināšana un identitātes atšķirību saglabāšana (GREEN ENVIRONMENT) | ERAF/Valsts budžets | 135 725 | 2011-2012 |
| Radoša un ekoloģiska dabisko materiālu izmantošana apkārtējās vides dekorēšanai (ECOART) | ERAF/Valsts budžets | 53 101 | 2010-2012 |
| Pārrobežu sadarbības tīkls matemātikas kompetenču iekļaušanai reģiona sociālekonomiskajā attīstībā (MATNET) | ERAF/Valsts budžets | 101 049 | 2011-2013 |
| Sinerģētiska pieeja jaunu biznesu veicināšanai izmantojot e-studiju, televīziju un mobilo tehnoloģiju iespējas (eBig3) | ERAF/Valsts budžets | 19 232 | 2011-2013 |
| Baltijas inovatīvo tehnoloģiju forums ilgtspējīgai kūtsmēslu pārvaldībai(Baltic MANURE) | ERAF/Valsts budžets | 90 000 | 2011-2013 |
| Zinātnes un ražošanas sadarbības veidošana Jelgavā un Šauļos (Science ft.Industry) | ERAF/Valsts budžets | 266 641 | 2010-2012 |

**Citi starptautiskie projekti**

1. Projekts SmartComp „Smart competitiveness for the Central Baltic region” - 50000.00 Ls (RISEBA) *V. Kozlinskis*
2. Projekts „Latvijas Zinātņu akadēmijas un LLMZA kapacitātes stiprināšana un starptautisku projektu pieteikumu izstrāde” (Nr. 2DP/2.1.1.2.0/10APIA/VIAA/009) vadītāja (2011-2013) 16000 LVL. *B. Rivža*
3. „Augstākās izglītības studiju programmu izvērtējums un ieteikumi kvalitātes pilnveidei”, 2011. – 2013. gads, projektu saturošā vadītāja, 500 tūkst. LVL. *B. Rivža*
4. Eiropas Komisijas projekta Nr. 156089-LLP-1-2009-1-ES-ERASMUS-ENWA1 „COnsumer BEhaivior REsearch NErwork” (COBEREN) 1284.00 EUR. *A. Eglīte*
5. Leonardo da Vinci partnerības projekts Nr. 2010‐1‐TR‐LEO04‐15852‐1 „A Nutrition Guide for Early Childhood Active Stakeholders” (NUTGECS) 7000.00 EUR. *A. Eglīte*
6. Projekts CAL4INO „Creative Activities in Learning for Innovation” –20000.00 Ls (RISEBA) *V. Kozlinskis*
7. Akadēmiskais Erasmus tīklojums – Universitāšu darbība karjeras atbalsta inovāciju attīstībā un saskaņotībā EiropāLĪGUMS 2009-4596/001-001 Proj. Nr.155976-LPP-1-2009-1-DE-ERASMUS-ENWA
8. Nordplus Framework VALA Karjeras konsultēšanas programmu pilnveide Ziemeļvaltīs un Baltijā Project ID/ HE-2012\_1a-28576 2012.-2015.g.
9. Starptautiskais projekts ,,Baltic Forum for Innovative Technologies for Sustainable manure management,,.- 2012- (V.Dubrovskis,eksperts).
10. 2010-2012 Biogāzes ražošanas tehnoloģijas no lauksaimniecības un piensaimniecības atkritumiem-Sadarbības Partneris- RTU, (V.Dubrovskis- vadošais pētnieks).
11. 2010-2012- Jauna tehnoloģija bioūdeņraža ražošanai un atdalīšanai anaerobās fermentācijas procesā- SP- LU, CFI, BUFPI- (V.Dubrovskis, pētnieks)
12. 2010-2012, Bioenergy-project: Sustainable Managing of Reed Energy in the Coastal Areas of Southern Finland, Estonia and Latvia- (V.Dubrovskis,eksperts).
13. *NORDPLUS projekts Nr. HE-2011\_1a-26784 „Baltijas sadarbības tīkls agrometrikā” (kopējais finansējums 10542 EUR)*
14. *ES Mūžizglītības programmas GRUNDTVIG projekts Nr.2011-1-PL1-GRU06-199824 „Novecošana ar aktīvām zināšanām un pieredzi” (AWAKE) (kopējais finansējums*
15. Janovs V. ESF projekts „Nozaru kvalifikācijas sistēmas izveide un profesionālās izglītības efektivitātes un kvalitātes paaugstināšana”, vienošanās Nr.2010/0274/1DP/1.2.1.1.1/10/IPIA/VIAA/001 (LVL 96000,-)
16. Radžele-Šulce A. Līdzdalība Baltijas Jūras reģiona programmas 2007.-2013. gadam līdzfinansēta projekta „Baltic Ecological Recycling Agriculture and Society Implementation” ietvaros – 2011.-2013. g. (izpildītājs)
17. Upīte I. pētniece Latvijas Lauku attīstības programmas 2007.-2013. gadam atbalsta pasākuma „Tehniskā palīdzība” finansēts un no Rīcības programmas Eiropas Zivsaimniecības fonda ieviešanai Latvijā 2007.-2013. gada prioritārā virziena „Tehniskā palīdzība” līdzekļiem finansēts projekts „Latvijas pārtikas nozares konkurētspējas rādītāju salīdzinošā analīze” un „Latvijas zivju pārstrādes nozares konkurētspējas rādītāju salīdzinošā analīze”, pētniece
18. Zvaigzne A. līdzdalība ESF projektā „Teritoriālās identitātes lingvokultoroloģiskie un sociālekonomiskie aspekti Latgales reģiona attīstībā”. Projekts: Nr.2009/0227/1DP/1.1.1.2.0/09/APIA/VIAA/071, periods: 01.03.2012. -30.11.2012., darba līgums (Nr.5.-12/41) ar Rēzeknes Augstskolu, papildus vienošanās Nr.1 par darbu projektā. Projekta vadītāja S.Lazdiņa. Projekta kopējais finansējuma apjoms LVL 1182468,- ESF finansējums 85 %  apmērā LVL 1005097,- valsts budžeta finansējums 15 % apmērā   
    LVL 177371,-.
19. Zvirbule-Bērziņa A. Darbība ERAF un Latvijas Lietuvas pārrobežu sadarbības programmas projektā Nr.LLIV-344 „Kopīgi pasākumi jauno uzņēmēju radīšanai profesionālajās skolās Kauņas un Zemgales reģions” Līgums Nr12/1-14.2/81, 2012.g.
20. Janovs V. Erasmus Intensive Programme (IP) projekts: „Fostering the entrepreneurial spirit in Europe through development of entrepreneurial sales personality”,   
    Projekts: Nr.2012-1-LV1-ERA10-03688, periods: 12.11.2012. - 23.11.2012. (LVL 15759, -)
21. Leonardo da Vinci Inovāciju pārneses projekts ”Management Training System for Capacity Building in Hospitality Industry”, 2012-2014.g, kopējais finansējums 237 454.22 Eiro.
22. NORDPLUS Project ID HE-2012\_1a-30371 “Advantages of Free Software for Statistics Education” 4000EUR (L. Paura) (2012-2013)
23. I. Ozola. GRUNDVIG Eiropas Komisijas mācību partnerības projekts „Visualisation – Highlights in Language Teaching”, 2011-2013 – partneris, dalībnieks. Projekts-Nr. 2011-1DE2-GR406-07839. – 10 000 LVL
24. L. Maļinovska. Eksperte projektā: “Improvement of AK Study Quality and Increase of Internationalisation by Updating the Study Programmes of Business Management and Technologies of Information Systems”. Alytus koledža Lietuvā. 2011-2012.
25. L. Turuševa. Starptautiskais zinātniskais Monreālas Konkordijas universitātes projekts *Investigating Social Aspects of Second Language Learning –* Latvijas puses vadītāja. Projekta otrais posms.
26. LIFE Projekts "Ķemeru Nacionālā parka hidroloģiskā režīma atjaunošana" Hidroloģijas eksperte Inga Grīnfelde 7000.00 LVL
27. V.Antāne. Starptautiska sadarbības Visby programmas projekta koordinatore Latvijā. (2010-2012) starp Belarussia Academy of Agriculture, Gorky, Belarussia; Institute of Agrobizness, St Petersburg, Russia; Estonian Agricultural University, Tartu, Estonia; Latvia University of Agriculture, Jelgava, Latvia; Lithuania Veterinary Academy, Kaunas, Lithuania and Centre for Reproductive Biology in Uppsala, (CRU), SLU, Sweden „Animal health, Reproduction and Livestock Production in a Changing Climate”, kuru finansē Zviedrijas Institūts

**4.1.2. Latvijā realizēti projekti**

Valsts pētījumu programmu ietvaros īstenoto projektu skaits un nosaukumi;

Vietējo resursu (zemes dzīļu, meža, pārtikas un transporta) ilgtspējīga izmantošana – jauni produkti un tehnoloģijas (NatRes) – vadītājs Bruno Andersons

|  |  |  |
| --- | --- | --- |
|  | **Projekta vadītājs** | **Nosaukums** |
| 1. Jauni produkti un inovatīvas meža apsaimniekošanas, meža koksnes un nekoksnes produktu ražošanas tehnoloģijas, racionāli izmantojot meža resursus un būtiski palielinot produkcijas pievienotu vērtību | | |
| VP24 | Henns **Tuherms** | 3. Jauni tehnoloģiski risinājumi inovatīvai augstākās pievienotās vērtības koksnes materiālu un produktu attīstībai |
| VP25 | Dagnis **Dubrovskis** | 2. Vietējo koksnes resursu mobilizācijas iespējas jaunu augstākas pievienotās vērtības produktu ražošanas pieprasījuma nodrošināšanai un bioenerģijas ražošanai |
| 2. Vietējo lauksaimniecības resursu ilgtspējīga izmantošana paaugstinātas uzturvērtības pārtikas produktu izstrādei (PĀRTIKA) | | |
| VP26 | Antons **Ruža** | 1. Augsnes kā galvenā resursa ilgtspējīga izmantošana drošu un kvalitatīvu pārtikas un lopbarības izejvielu ieguvei no plašāk audzētajām laukaugu sugām |
| VP27 | Tatjana **Rakčejeva** | 4. Jaunu pārstrādes tehnoloģiju ietekme uz bioloģiski aktīvo savienojumu saglabāšanu pārtikas produktos |

**4. Latvijas Zinātnes padomes, kā arī valsts pārvaldes iestāžu finansēto projektu skaits un nosaukumi;**

**Tematiskie projekti**

|  |  |
| --- | --- |
| **Projekta vadītājs** | **Nosaukums** |
| Ina **Alsiņa** | Fizioloģiski aktīvu savienojumu akumulācijas stimulēšanas iespējas Latvijā audzētos dārzeņos |
| Biruta **Bankina** | Postīgu, Latvijā maz pētītu augu patogēnu populāciju monitorings un attīstības īpatnības dažādās agrocenozēs |
| Ziedonis **Grīslis** | Biotehnoloģijas metodes Latvijā audzējamo šķirņu govju piena proteīna gēnu polimorfisma novērtēšanā un proteīna gēnu ietekme uz govju produktivitāti |
| Egils **Stalidzans\*** | Algoritmisko modeļu izstrāde un analīze bioloģisko un programmatūras sistēmu aprakstīšanai |
| Juris **Priekulis** | Tehnoloģisko sistēmu izpēte un izstrāde nākotnes slaucamo govju fermai |
| Edīte **Birģele** | Inovatīvu pasākumu izstrāde produktīvo dzīvnieku slimību profilaksei, ārstēšanai un produktivitātes kāpināšanai |
| Aldis **Kārkliņš** | Augsnes īpašību izmaiņas atkarībā no LIZ izmantošanas |
| Inga **Ciproviča\*** | Govs piena lipīdu sastāva un to ietekmējošo fermentu pētījumi, to loma piena produktu kvalitātes un funkcionalitātes nodrošināšanā |
| Gints **Birzietis** | Biodegvielu un biomasas tehnoloģiju pētījumi |
| Irina **Pilvere** | Lauksaimniecības strukturālās attīstības, protekcionisma un nodokļu sistēmas problēma |
| Maiga **Krūzmētra** | Uzņēmējdarbības veicināšana Latvijas laukos: ekonomiskie un sociālie nosacījumi |
| Viesturs **Jansons,** Jānis **Valters** | Ūdenssaimniecības sistēmu ilgtspējīga apsaimniekošana |
| Antra **Balode** | Skuju koku ražības, rezistences, ģenētiskās daudzveidības, pavairošanas iespēju saglabāšanas un uzlabošanas risinājumi globālo klimata izmaiņu apstākļos |

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| \* Vadošā ir cita iestāde |
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**Sadarbības projekti**

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| **Projekta vadītājs** | **Nosaukums** |
| Ilze **Matīse-Van Houtana** | Šūnu terapija 1.tipa cukura diabēta ārstēšanai: jauna iespēja insulīnnepietiekamības ārstēšanai |

**Zemkopības Ministrijas subsīdijas**

|  |  |  |
| --- | --- | --- |
| **N.p.k.** | **Projekta vadītājs** | **Nosaukums** |
| 1. | Ruža Antons | Minerālmēslu maksimālo normu noteikšana kultūraugiem |
| 2. | Ruža Antons | Minimālās augsnes apstrādes ietekme uz augsnes auglības saglabāšanu, kaitīgo organismu attīstību izplatību, ražu un tās kvalitāti bezmaiņas sējumos |
| 3. | Katamadze Merabs | Atbalsts kultūraugu genofonda saglabāšanai |
| 4. | Liepniece Marta | Atbalsts kultūraugu genofonda saglabāšanai |
| 5. | Medne Ruta | Dzīvnieku invāzijas slimību izplatības izpēte Latvijā |
| 6. | Smiltiņa Dace | Atbalsts Latvijas lauksaimniecības dzīvnieku ģenētisko resursu saglabāšanai, izpētei un izlases kvalitātes uzlabošanai LLU Lauksainmiecības fakultātes Molekulārās ģenētikas zinātnisko pētījumu laboratorijā |

**Valsts iestāžu pasūtījumi**

|  |  |  |
| --- | --- | --- |
|  | **Projekta vadītājs** | **Nosaukums** |
| 1. | Jansons Viesturs | Gruntsūdeņu un upju noteces kvalitātes monitorings īpaši jūtīgajās teritorijās un nitrātu un citu augu barības elementu monitorings lauksaimniecības zemēs |
| 2. | Bankina Biruta | Kultūraugu kaitīgo organismu izplatības, postīguma un attīstības ciklu pētījumi kaitīguma sliekšņu izstrādāšanai integrētajā augu aizsardzībā |
| 3. | Pilvere Irina | Latvijas pārtikas nozares konkurētspējas rādītāju salīdzinošā analīze |
| 4. | Pilvere Irina | Latvijas zivju pārstrādes nozares konkurētspējas rādītāju salīdzinošā analīze |
| 5. | Rūtenberga Anda | Valsts augu aizsardzības dienesta funkciju (Augu šķirņu saimniecisko īpašību novērtēšana) veikšanai |
| 6. | Dūrītis Ilmārs | Veterinārmedicīnas fakultātes Mācību klīnikas stratēģiskās darbības plāna izstrādei 2013.-2020.gadam |
| 7. | Dūrītis Ilmārs | Konferences "Veterinārmedicīnas zinātnes un prakses aktualitātes" rakstu krājums un izdales materiāli |

**4.2. Zinātniskās publikācijas**

**4.2.1. Anonīmi recenzētu un starptautiski pieejamās datu bāzēs iekļautajos zinātniskajos izdevumos atrodamu zinātnisko publikāciju skaits un nosaukumi;**

**Starptautiski pieejamās datu bāzēs iekļauto publikāciju skaits:**

* **Scopus- 94**
* **Ebsco-125**
* **Cab abstract- 97**
* **Web of Science-5**
* **Agri-75**

**Datu bāzē SCOPUS atrodamās LLU darbinieku publikācijas**

1. Aboltins, A., Upitis, A.  
   [Experimental and theoretical investigation of agricultural material drying process](http://www.scopus.com/record/display.url?eid=2-s2.0-84871951947&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 93-98.
2. Aizsila, A.  
   [Results of research in teacher further education course quality at the Latvia University of Agriculture](http://www.scopus.com/record/display.url?eid=2-s2.0-84871967609&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 596-602.
3. Alsiņa, I., Dubova, L., Smiltiņa, Z., Stroksa, L., Duma, M.  
   [The effect of selenium on yield quality of lettuce](http://www.scopus.com/record/display.url?eid=2-s2.0-84872190507&origin=resultslist)(2012) Acta Horticulturae, 939, pp. 269-276.
4. Balode, A.  
   [Biocontrol of grey mould in Lilies spp. by Trichoderma spp. and Bacillus spp.](http://www.scopus.com/record/display.url?eid=2-s2.0-84872230212&origin=resultslist)(2012) Acta Horticulturae, 937, pp. 583-587.
5. Bankina, B., Gaile, Z., Balodis, O., Paura, L., Kokina, I.  
   [Possibilities for integrated control of winter oilseed rape diseases in Latvia](http://www.scopus.com/record/display.url?eid=2-s2.0-84871076325&origin=resultslist)(2012) EPPO Bulletin, 42 (3), pp. 560-567.
6. Barwicki, J., Gach, S., Ivanovs, S.  
   [Proper utilization of soil structure for crops today and conservation for future generations](http://www.scopus.com/record/display.url?eid=2-s2.0-84871967251&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 10-15.
7. Beitere-Selegovska, Z., Selegovskis, R.  
   [Evaluation of study process in study program "agricultural energetics" at faculty of engineering](http://www.scopus.com/record/display.url?eid=2-s2.0-84871958541&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 603-608.
8. Bergs, J., Kanaska, D.  
   [Motor vehicle seats and their defect classification](http://www.scopus.com/record/display.url?eid=2-s2.0-84871951566&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 314-317.
9. Berjoza, D., Dukulis, I., Ceple, D.  
   [Investigation of electric car acceleration characteristics performing on-road tests](http://www.scopus.com/record/display.url?eid=2-s2.0-84871995225&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 318-323.
10. Berjoza, D., Jurgena, I., Vartukapteinis, K.  
    [Research in electro and internal combustion engine motor vehicle energy costs](http://www.scopus.com/record/display.url?eid=2-s2.0-84871964662&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 331-337.
11. Bertaitis, I., Briede, B., Peks, L.  
    [Pedagogical competence model for work safety specialists](http://www.scopus.com/record/display.url?eid=2-s2.0-84871971350&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 619-624.
12. Birkavs, A., Birzietis, G., Dukulis, I.  
    [Evaluation of emissions operating diesel engine with rapeseed oil and fossil diesel fuel blends](http://www.scopus.com/record/display.url?eid=2-s2.0-84871979696&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 338-342.
13. Birzietis, G., Mistris, J., Birkavs, A.  
    [Electric vehicles from car manufacturers and comparison of their technical characteristics](http://www.scopus.com/record/display.url?eid=2-s2.0-84871972242&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 343-348.
14. Bleidere, M., Gaile, Z.  
    [Grain quality traits important in feed barley](http://www.scopus.com/record/display.url?eid=2-s2.0-84863320899&origin=resultslist)(2012) Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences, 66 (1-2), pp. 1-9.
15. Brencis, R., Iljins, U., Skujans, J., Gross, U.  
    [Research of foam gypsum drying process and heat flow transfer](http://www.scopus.com/record/display.url?eid=2-s2.0-84870795641&origin=resultslist)(2012) Chemical Engineering Transactions, 29, pp. 583-588.
16. Dobelniece, S., Lace, T.  
    [Global economic crisis in Latvia: Social policy and individuals' responses](http://www.scopus.com/record/display.url?eid=2-s2.0-84863696038&origin=resultslist)(2012) Filosofija, Sociologija, 23 (2), pp. 111-118.
17. Dorofejeva, K., Rakcejeva, T.  
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18. Dubrovskis, V., Kotelenecs, V., Celms, A., Zabarovskis, E.  
    [Biomass cofermentation for biogas producing](http://www.scopus.com/record/display.url?eid=2-s2.0-84871993823&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 560-565.
19. Dubrovskis, V., Plume, I., Kazulis, V., Celms, A., Kotelenecs, V., Zabarovskis, E.  
    [Biogas production potential from agricultural biomass and organic residues in Latvia](http://www.scopus.com/record/display.url?eid=2-s2.0-84871947406&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 566-571.
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22. Fridrihsons, J., Alsina, I., Lojans, A.  
    [Plant spectral lighting and sprinkling water activation device](http://www.scopus.com/record/display.url?eid=2-s2.0-84871949195&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 112-116.
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26. Galvanauskas, V., Grigs, O., Vanags, J., Dubencovs, K., Stepanova, V.  
    [Model-based optimization and pO 2 control of fed-batch Escherichia coli and Saccharomyces cerevisiae cultivation processes](http://www.scopus.com/record/display.url?eid=2-s2.0-84869066835&origin=resultslist)(2012) Engineering in Life Sciences, . Article in Press.
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    [Elimination of outside air heat pump evaporators icing](http://www.scopus.com/record/display.url?eid=2-s2.0-84871993566&origin=resultslist)(2012) Engineering for Rural Development, 11, pp. 122-127.
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498. Zītare I., A.Jemeļjanovs, L.Proškina, M.Pilmane Latvijā audzētu briežu (*Cervus elaphus L*) gremošanas trakta morfofunkcionālā stāvokļa pētījumi = Researches on morphofunctional status of the digestive tract of red deer (Cervus elaphus L.) bred in Latvia / // Proceedings of the Latvia University of Agriculture. - Volume 27, Issue 1, Pages 35–43, ISSN (Print) 1407-4427, DOI: [10.2478/v10236-012-0005-2](http://dx.doi.org/10.2478/v10236-012-0005-2), August 2012 <http://www.degruyter.com/view/j/plua.2012.27.issue-1/issue-files/plua.2012.27.issue-1.xml>
499. Zvaigzne A. (2012) Factors Directly Affecting Employment in Karsava Town In: Proceedings of the International scientific conference *„Regional Attractiveness and Sustainability in Times of Glocalisation”*, Rezekne, November 8-9, Rezekne University. Reģionālistikas zinātniskā institūta (REGI) Sociālo zinātņu žurnāls „Latgales Tautsaimniecības pētījumi” 212-240 lpp.; ISSN 1691-5828 Abstracted/Indexed: Index Copernicus
500. Zvirbule-Bērziņa A. (2012) Assessment of Target-Oriented Management in IT sector companies in Latvia In: Proceedings of the International Conference on Business Management & Information Systems 2012,p. 126-134, Singapure International Journal of Academic Conference Proceedings ISSN 2164-263X (ISBN 978-93-82563-39-6) Issued by the Library of Congress, Washington, DC, USA
501. Zvirbule-Bērziņa A.,Vilciņa A. (2011) Employment Problems under Conditions of Dynamic Entrepreneurship in the Regions of Latvia. In: *Proceedings of the International Scientific Conference “Rural Development 2011”,* Aleksandras Stuglinskis University, Lithuania, Vol.5, book 1, p.290-298; ISSN 1822-3230 Abstracted/Indexed: EBSCO Academic Search Complete <http://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=70147287&site=ehost-live> <ind EBSCO Academic Search Complete> - <ind ISI Web of Science with Conference Proceedings Citation Index> *Nebija iekļauti iepriekšējā atskaitē, jo nebija datu bāzēs!*
502. Zvirgzdina R., Pelse M. (2012) Development Possibilities of Farms in Latvia. In: *Economics Science for Rural Development:* Proceedings of the International Scientific Conference, № 28 (Rural Business and Finance). Jelgava: LLU, pp. 133 – 138. EBSCO
503. Zvirgzdiņa R., Tilta E. (2012) Sadarbības iespējas Latvijas reģionos. In: *Sustainable Business under Changing Economic Conditions*: proceedings of the XIII international scientific conference. Rīga: Biznesa augstskola Turība, 9 lpp.
504. Zvīgule A., Rabčevska D. (2012) Peer counselling in Study Environment. Rural Environment. Education. Personality (REEP) (2012). Proceedings of the International Scientific Conference. Volume 5. (CD-ROM) March 21st-22nd, 2012, LLU, Jelgava, Latvia, ISBN 978-9984-48-060-2, ISSN 2255-808X
505. Залькалнс О.А. (2012) Методика и результаты оценки динамики ответной реакции еловых древостоев на воздействие загрязненности атмосферы Курляндии. Материалы Всеросийской молодёжной научно-практической конференции с международным участием Адаптационные реакции живых систем на стрессорные воздействия. Киров, 6 – 8 c. ISBN 978-5-4338-0048-9
506. Палабинска А. Актуальность территориальной планировки в Латвии // XVII starpt. zin. tehniskā simpozija „Apkārtējās vides ģeoinformācijas monitorings: GNSS un GIS – tehnoloģijas”rakstu krājums. Alušta, Krima – 2012.- 197 – 199.lpp.
507. Паршова В., Янкава А. (2012) Кадастр недвижимого имущества в Латвии, материалы международной научно - практической конференции «Инновационные технологии и разработки в агропромышленном комплексе», Кокшетауский государственный университет им. Ш.Уалиханова, Кокшетау, 2012, 133 – 136 с.
508. Приекулис Ю., Кургс А. Сравнение стендовых доильных установок по экономическим показателям. / В монографии: Проблемы интенсификации животноводства с учётом пространнственной инфраструктуры сельского хозяйства и охраны окружающей среды. Под ред. В.Романюка. Фаленты-Варшава :Институт технологических и естественных наук. 2012. c.221.-224. Рецензированное издание.
509. Руба Е.О., Миезите О.B., Дрейманис А. (2012) Оценка рисков повреждений копытными при Bыpащивании еловых молодняков в Латвии. Материалы Всеросийской молодёжной научно-практической конференции с международным участием Экология родного края: проблемы и пути решения. Киров, 121 – 124 c. ISBN 978-5-4338-0049-6
510. Спруж Я, Аплоциня Э. (2012) Влияние различных зерновых кормов на цитологические и иммунологические показатели молока коз. В кн.: *Сборник научных трудов Научно практической конференции Актуальные проблемы интенсивного развития животноводства.* Горки, Вып. 15, Ч. 1, с. 160 – 168.
511. Янкава А. (2012) Развитие и роль землеустройства в Латвии./ „Геоiнформацiйний монiторинг навеолишнього середовищи: GNSS i GIS – технологiй”: XVII Мiжнародний науково-технiчний симпозiум, 10-15 вересня 2012 р., АЛУШТА (КРИМ). – Львiвське астрономо-геодезичне товариство, с. 195-197.

**4.2.3. Zinātniskās institūcijas izdotu starptautiski recenzētu periodisko zinātnisko izdevumu skaits un nosaukumi;**

Latvijas Lauksaimniecības universitātes raksti

27. sējums – 8 raksti

28. sējums – 7 raksti

Research for Rural Development- 2012

**4.3. Latvijas vai ārvalstu komersantu finansēto pētniecības līgumdarbu skaits un nosaukumi**

|  |  |  |  |
| --- | --- | --- | --- |
| Npk | Projekta vadītājs | Projekta nosaukums | Pasūtītājs |
| 1. | Pētersons Gunārs | Latvijas migrējošo sikspārņu fizioloģija | Biedrība Baltijas-Vācijas Augstskolu birojs |
| 2. | Saveļjevs Aleksandrs | Jaunaudžu kopšana Klīves meža iecirknī | A/S Latvijas Valsts Meži |
| 3. | Grīnfelde Inga | Tehniskā projekta izstrāde par tēmu "Kaļķakmens karjera "Kūmas" atsūknēto gruntsūdeņu un virsūdeņu uzkrāšanas, nosēdināšanas un novadīšanas sistēmas rekonstrukcijas" | SIA CEMAX |
| 4. | Saveļjevs Aleksandrs | Augošu koku atzarošana Klīves meža iecirknī | A/S Latvijas Valsts Meži |
| 5. | Dubrovskis Dagnis | Programmas "Meža eksperts" licences izstrāde | SIA RTRK |
| 6. | Dubrovskis Dagnis | Nr. 9.1. „Sākotnējo algoritmu izveide apaļo kokmateriālu sortimentu iznākuma prognozēšanai" | SIA MNKC |
| 7. | Pētersons Gunārs | Posmkāji - putnu un sikspārņu barība | Biedrība Baltijas-Vācijas Augstskolu birojs |
| 8. | Dubrovskis Dagnis | Nr. 9.2. „Stumbra veidules vienādojumu izveide, ievērtējot celma un galotnes daļu parametrus 8 koku sugām" | SIA MNKC |
| 9. | Ošs Jānis | Hidroloģiskais un hidrauliskais aprēķins caurtekai pār Ķekaviņas upi Zīļu ielā pie Zīļu ielas 5A, Baldonē | SIA R-Tee |

**4.4. Zinātniskajās institūcijā izstrādāto un augstskolā aizstāvēto bakalaura, maģistra un promocijas darbi**

Latvijas Lauksaimniecības universitātē 2012. gadā bakalaura darbus aizstāvēja un bakalaura kvalifikāciju ieguva 943 studenti, maģistra darbus aizstāvēja un attiecīgo kvalifikāciju ieguva 215 absolventi.LLU strādā 102 jaunie zinātnieki ar kopējo slodzi 41.9 PLE.

**LLU DOKTORANTU UN DARBINIEKU AIZSTĀVĒTIE PROMOCIJAS DARBI**

**2012. GADĀ**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr.p.k.** | **Vārds, uzvārds** | **Iegūtais zinātniskais grāds** | **Promocijas darba tēma** |
|  | **Nataļja Vronska** | Dr. paed. | **Topošo skolotāju informācijas un komunikācijas tehnoloģiju integrēšanas prasmju attīstība mājturības un mājsaimniecības izglītībā** |
|  | **Gundega Dinaburga** | Dr.agr. | **Augsnes neviendabīguma un reljefa atšķirību ietekme uz ziemas kviešu (*Triticum aestivum* L.) ražu** |
|  | **Ivars Mozga** | Dr.sc.ing. | **Bioķīmisko tīklu stacionāro stāvokļu optimizācijas procedūra** |
|  | **Arnis Cīrulis** | Dr.sc.ing. | **Virtuālās realitātes izmantošana tehnoloģisko procesu vadības apmācības pilnveidošanā** |
|  | **Viola Korpa** | Dr.sc.soc. | **Darba un ģimenes dzīves saskaņošana privātā sektora organizācijās** |
|  | **Jolanta Millere** | Dr.sc.soc. | **Bērnu ar invaliditāti ģimeņu dzīves kvalitāte Latvijā** |
|  | **Dina Bite** | Dr.sc.soc. | **Pašvaldību sadarbība Latvijā** |
|  | **Vija Ozoliņa** | Dr.sc.ing. | **Bioloģiski aktīvo vielu izmaiņas rudzu maizes ražošanas procesā** |
|  | **Ilga Gedrovica** | Dr.sc.ing. | **Ar kaltēta topinambūra (*Helianthus Tuberosus* L.) pulveri bagātināti miltu konditorejas izstrādājumi** |
|  | **Vitālijs Osadčuks** | Dr.sc.ing. | **Autonomās kombinētās elektroapgādes vadības sistēmu modelēšana** |
|  | **Emīls Pudāns** | Dr.sc.ing. | **Konveijeru ķēdes ar rites berzes šarnīriem pētījumi** |
|  | **Anna Laizāne** | Dr.paed. | **Latvijas lauku skolu izglītības vides mainības un daudzveidības izvērtēšana** |
|  | **Inese Bīmane** | Dr.paed. | **Profesionālās kompetences veidošanās ģeodēzijas studijās** |
|  | **Agnese Krieviņa** | Dr.oec. | **Pievienotās vērtības veidošanās problēmas un palielināšanas iespējas piensaimniecībā** |
|  | **Vladislavs Vesperis** | Dr.oec. | **Reģionālās attīstības novērtēšana** |
|  | **Ainis Lagzdiņš** | Dr.sc.ing. | Slāpekļa un fosfora savienojumu noplūdes analīze  lauksaimniecībā izmantotajās platībās |
|  | **Uldis Grīnfelds** | Dr.sc.ing. | Latvijas koku sugu piemērotība sulfātcelulozes ražošanai |
|  | **Daina Feldmane** | Dr.agr. | Pilienveida apūdeņošanas un šķeldu mulčas ietekme uz skābo ķiršu jaunkoku ražas veidošanos un augļu kvalitāti |
|  | **Valentīna Surikova** | Dr.agr. | Slāpekļa, fosfora un kālija vajadzības pētījumi ābeļu šķirnei ‘Melba’ |
|  | **Ingrīda Grantiņa** | Dr.agr. | Krustziežu stublāju un sēklu smecernieku (*Ceutorhynchus* SPP.) un krustziežu pāksteņu pangodiņa (*Dasineura Brassicae*) bioloģija, ekoloģija un ekonomiskā nozīme, Latvijā |
|  | **Jānis Ozoliņš** | Dr.oec. | Integrācija piena nozares sekundārās sfēras attīstībai Baltijas valstīs |
|  | **Līga Brūniņa** | Dr.oec. | Erozijas ietekme uz piejūras reģionu attīstību |
|  | **Inese Augškalne** | Dr. paed. | Profesionālo skolu audzēkņu pasaules uzskata izpēte |
|  | **Iluta Bērziņa** | Dr.oec. | Tūrisma ekonomiskā nozīmīguma novērtēšana Latvijas nacionālo parku reģionos |
|  | **Juris Vuguls** | Dr.phil. | **Pareizticības un hēsihasma idejas Latvijā 1836–1934** |
|  | **Gatis Vītols** | Dr.sc.ing. | Starpkulturālu tīmekļa informācijas sistēmu projektēšana |

**4.5. *2012. gadā reģistrētie LR patenti***

|  |  |  |  |
| --- | --- | --- | --- |
| **N**  **p/k** | **Autori** | **Patenta nosaukums** | **Patenta**  **numurs** |
| 1. | V.Dubrovskis, E.Zabarovskis, V.Koteļeņecs | Ierīce bioūdeņraža un biometāna ražošanai no organiskās vielas | 14431 |
| 2. | U.Bērziņš, A.Kaķītis, R.Bērziņš | Energoefektīvs šķiedru materiālu smalcinātājs | 14478 |
| 3. | J.Palabinskis, A.Āboltiņš | Piepūšamais arkveida gaisa sildīšanas saules kolektors | 14452 |
| 4. | H.Putāns, I.Ziemelis, V.Zagorska, L.Kanceviča, U.Iljins, I.Pelēce | Telpiska saules enerģijas baterija | 14453 |
| 5. | J.Palabinskis, A.Āboltiņš, M.Pinka | Autonoma, mazgabarīta augkopības produkcijas kaltēšanas iekārta | 14486 |
| 6. | J.Fridrihsons, I.Alsiņa | Koģeneratīva siltumnīcu vīteņaugu spektrālā apgaismojuma iekārta | 14510 |
| 7. | M.Ruciņš, I.Skrupskis, V.Rozenbergs | Sasaldētu pārtikas produktu atkausēšanas metode | 14512 |
| 8. | J.Palabinskis, A.Āboltiņš | Augkopības produkcijas kaltēšanas iekārta ar saules enerģijas kolektoru | 14528 |
| 9. | A.Celms, M.Kronbergs | Palīgierīce un paņēmiens precīzās nivelēšanas svītru latas nolasīšanai lielā attālumā | 14529 |
| 10. | G.Uzkkliņģis, E.Pudāns | Izjaucama plāksnīšu ķēde ar ritberzes šarnīriem un posmu vienpusīgu pagriezienu | 14527 |
| 11. | I.Gedrovica, D.Kārkliņa | Keksu ar topinambūra pulveri ražošanas paņēmiens | 14511 |
| 12. | I.Nulle, A.Kaķītis, D.Ancāns, M.Ozollapiņš’ | Birstošu masu maisītājs | 14603 |
| 13. | Ē.Kronbergs, E.Repša | Hidraulisks kompaktēšanas mehānisms | 14604 |
| 14. | J.Priekulis, A.Saliņš, A.Laurs, A.Vicinskis | Spēkbarības izdales līnija ar spirāltransportieri | 14605 |
| 15. | H.Putāns, I.Ziemelis, V.Zagorska, L.Kanceviča | Saules enerģijas kolektora vadības ierīce, kas nodrošina tā sekošanu saulei | 14611 |

**7. Pārdoto licenču un patentu skaits;**

` LR Patents 14123, "Trīskameru granulu kurtuve", autori: L. Kublinskis, I. Plūme, īpašnieki sākotnēji bija divi LLU un SIA DIVI. Patents izdots 2009. gadā. 2012. gada 15. decembrī noslēgts līgums par Tiesību nodošanu SIA DIVI.

**4.6. Zinātniskā personāla saraksts 2012. gadā**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Uzvārds** | **Vārds** | **Amats** | **Ievēlēšanas datums** | **PLE gadā** | **Projekti** |
| **Adamovičs** | **Aleksandrs** | **vadošais pētnieks** | **01/04/2010** | **0,2896** | **F-ER5** |
| Alsiņa | Ina | vadošais pētnieks | 01/09/2007 | 0,0936 | F-R84 |
| Andersons | Guntis | vadošais pētnieks | 01/09/2010 | 0,2059 | F-ER5 |
| **Antāne** | **Vita** | **vadošais pētnieks** | **01/09/2008** | **0.2500** | **F-A03** |
| Arhipova | Irina | vadošais pētnieks | 01/09/2012 | 0,0459 | F-VP25-3 |
| Ausmane | Maija | vadošais pētnieks | 01/09/2007 | 0,075 | F-S243 |
| **Āboliņš** | **Mintauts** | **vadošais pētnieks** | **01/04/2010** | **0,1254** | **F-K25** |
| **Āboltiņš** | **Aivars** | **vadošais pētnieks** | **01/09/2008** | **0.9982** | **F-A03** |
| **Balode** | **Antra** | **vadošais pētnieks** | **01/09/2012** | **0.4167** | **F-A03** |
| **Bankina** | **Biruta** | **vadošais pētnieks** | **11/12/2007** | **0,8856** | **F-VP26-3** |
| Bērziņš | Andris | vadošais pētnieks | 01/09/2007 | 0,1496 | F-S243 |
| Bērziņš | Uldis | vadošais pētnieks |  | 0,9246 | F-ER5 |
| **Bimšteine** | **Gunita** | **vadošais pētnieks** | **03/04/2007** | **0,6623** | **F-VP26-3** |
| Birģele | Edīte | vadošais pētnieks | 01/09/2010 | 0,1508 | F-R109 |
| **Birzietis** | **Gints** | **vadošais pētnieks** | **01/04/2010** | **0,2538** | **F-ER7** |
| **Brēmers** | **Gunārs** | **vadošais pētnieks** | **01/09/2012** | **0.4500** | **F-A03** |
| Bukšāns | Edgars | vadošais pētnieks |  | 0,3005 | F-VP24-3 |
| Ciproviča | Inga | vadošais pētnieks | 01/09/2010 | 0,3237 | F-R111 |
| Čukurs | Jānis | vadošais pētnieks | 01/09/2008 | 0,2433 | F-ER5 |
| Dobelniece | Signe | vadošais pētnieks | 01/09/2011 | 0,0754 | F-R114 |
| Dubrovskis | Dagnis | vadošais pētnieks | 01/09/2009 | 0,4127 | F-ER3 |
| **Dubrovskis** | **Vilis** | **vadošais pētnieks** | **01/09/2012** | **0,9153** | **F-EF4** |
| **Dukaļska** | **Lija** | **vadošais pētnieks** | **02/01/2010** | **0,9822** | **F-EF5** |
| **Fridrihsons** | **Jānis** | **vadošais pētnieks** | **01/09/2006** | **0.45** | **F-A03** |
| Galiņš | Ainārs | vadošais pētnieks | 01/09/2010 | 0,1913 | F-ER7 |
| Galoburda | Ruta | vadošais pētnieks | 01/09/2010 | 0,1 | F-VP27-3 |
| **Grīslis** | **Ziedonis** | **vadošais pētnieks** | **01/09/2006** | **0,7568** | **F-R92** |
| Iljins | Uldis | vadošais pētnieks | 01/09/2010 | 0,2182 | F-ER5 |
| **Jansons** | **Viesturs** | **vadošais pētnieks** | **01/09/2012** | **0,2187** | **F-R116** |
| Jurgena | Ināra | vadošais pētnieks | 01/09/2010 | 0,2992 | F-ER7 |
| **Kairiša** | **Daina** | **vadošais pētnieks** | **01/04/2010** | **0,2456** | **F-R100** |
| Kampuse | Solvita | vadošais pētnieks | 01/09/2007 | 0,6 | F-EF5 |
| Kampuss | Kaspars | **vadošais pētnieks** | **01/09/2012** | **0.4** | **F-A03** |
| Kārkliņa | Daina | vadošais pētnieks | 01/09/2007 | 0,2958 | F-KL3 |
| **Kārkliņš** | **Aldis** | **vadošais pētnieks** | **01/04/2010** | **0,3594** | **F-R110** |
| Kerčs | Garijs | vadošais pētnieks |  | 1 | F-EF5 |
| Kļava | Dace | vadošais pētnieks | 01/09/2011 | 0,1 | F-VP27-3 |
| Korpa | Viola | vadošais pētnieks |  | 0,4206 | F-INT1 |
| Kozlinskis | Vulfs | vadošais pētnieks | 01/09/2010 | 0,1214 | F-KL3 |
| **Krūma** | **Zanda** | **vadošais pētnieks** | **01/04/2010** | **1** | **F-EF5** |
| Krūzmētra | Maiga | vadošais pētnieks |  | 0,3005 | F-R114 |
| Kunkulberga | Daiga | vadošais pētnieks | 01/09/2009 | 0,1 | F-VP27-3 |
| **Lapiņš** | **Dainis** | **vadošais pētnieks** | **01/04/2010** | **0,1167** | **F-R110** |
| **Laurs** | **Armīns** | **vadošais pētnieks** | **01/09/2012** | **0,9576** | **F-R100** |
| Līpiņš | Leonards | vadošais pētnieks | 01/09/2007 | 0,1501 | F-VP25-3 |
| Mārciņš | Jānis | **vadošais pētnieks** | **01/09/2006** | **0.2** | **F-A03** |
| Matīse-Van Houtana | Ilze | vadošais pētnieks | 01/09/2009 | 0,2508 | F-V34 |
| Medne | Ruta | vadošais pētnieks |  | 0,0929 | F-S246 |
| Morozovs | Andris | vadošais pētnieks | 01/09/2010 | 0,2339 | F-VP24-3 |
| Muižniece-Brasava | Sandra | vadošais pētnieks | 01/09/2007 | 0,5754 | F-EF5 |
| Nipers | Aleksejs | vadošais pētnieks |  | 0,6667 | F-KL3 |
| Nulle | Imants | vadošais pētnieks | 01/09/2009 | 0,4488 | F-ER6 |
| **Ošs** | **Jānis** | **vadošais pētnieks** | **01/09/2012** | **0,1167** | **F-VP24-3** |
| **Osītis** | **Uldis** | **vadošais pētnieks** | **01/09/2007** | **0.45** | **F-A03** |
| Pilvere | Irina | vadošais pētnieks | 01/09/2007 | 0,3594 | F-KL3 |
| **Priekulis** | **Juris** | **vadošais pētnieks** | **01/04/2010** | **0,5581** | **F-BS1** |
| Rakčejeva | Tatjana | vadošais pētnieks | 01/09/2010 | 0,1 | F-VP27 |
| Rivža | Baiba | vadošais pētnieks | 01/09/2010 | 0,125 | F-R114 |
| **Ruža** | **Antons** | **vadošais pētnieks** | **01/09/2012** | **0,9985** | **F-VP26-3** |
| **Saveļjevs** | **Aleksandrs** | **vadošais pētnieks** | **01/09/2012** | **0,6092** | **F-LL9** |
| **Skrupskis** | **Voldemārs** | **vadošais pētnieks** | **01/09/2006** | **0.45** | **F-A03** |
| Spulle | Uldis | vadošais pētnieks | 01/09/2009 | 0,3005 | F-VP24-3 |
| **Stalidzāns** | **Egils** | **vadošais pētnieks** | **01/09/2012** | **0,8175** | **F-EF3** |
| Strikauska | Silvija | vadošais pētnieks | 01/09/2007 | 0,0403 | F-S243 |
| **Strīķis** | **Voldemārs** | **vadošais pētnieks** | **12/11/2008** | **0,6027** | **F-R114** |
| Šmigins | Ruslans | vadošais pētnieks | 01/09/2012 | 0,2964 | F-ER9 |
| **Šteinberga** | **Vilhelmīne** | **vadošais pētnieks** | **01/09/2012** | **0,9672** | **F-ER8** |
| Šteinerts | Andris | vadošais pētnieks | 01/09/2007 | 0,3934 | F-ER5 |
| Šterna | Vita | vadošais pētnieks |  | 0,0559 | F-R111 |
| Tuherm | Henn | vadošais pētnieks | 01/09/2010 | 0,4133 | F-VP24-3 |
| **Turka** | **Ināra** | **vadošais pētnieks** | **01/04/2010** | **0,3243** | **F-R87** |
| Upīte | Ilze | vadošais pētnieks | 01/09/2011 | 0,2781 | F-KL3 |
| Valters | Jānis | vadošais pētnieks |  | 0,1672 | F-R116 |
| Vārtukapteinis | Kaspars | vadošais pētnieks | 01/09/2007 | 0,4003 | F-BS1 |
| **Werner-Keišs** | **Nicole** | **vadošais pētnieks** | **01/09/2012** | **0.45** | **F-A03** |
| Vītola | Īrija | vadošais pētnieks |  | 0,2225 | F-R113 |
| Zagorska | Jeļena | vadošais pētnieks | 01/09/2008 | 0,1628 | F-VP27-3 |
|  |  | **Kopā** | | **29.32** |  |
|  |  | **Kopā LZA datu bāzē** | | **16.83** |  |

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| **Vārds** | **Uzvārds** | **Amats** | **Ievēlēšanas**  **datums** | **PLE gadā** | **Projekti** |
| Abramenko | Kaspars | pētnieks |  | 0,6394 | F-EF7 |
| Adamoviča | Olga | pētnieks |  | 0,9153 | F-EF4 |
| Aizsils | Gunārs | pētnieks | 01/09/2010 | 0,3553 | F-ER7 |
| Ancāns | Dainis | pētnieks |  | 0,9958 | F-EF4 |
| **Antāne** | **Vita** | **pētnieks** | **19/11/2008** | **0,5731** | **F-R109** |
| **Aplociņa** | **Elita** | **pētnieks** | **01/04/2010** | **0,3863** | **F-LL11** |
| Auzāns | Alberts | pētnieks | 01/09/2010 | 0,3 | F-LL8 |
| **Āboltiņš** | **Aivars** | **pētnieks** | **11/11/2008** | **0,082** | **F-EF4** |
| **Balode** | **Antra** | **pētnieks** | **01/09/2012** | **0,8208** | **F-LL10** |
| Balodis | Oskars | pētnieks |  | 0,9153 | F-EF4 |
| Bartuševics | Jānis | pētnieks |  | 0,9153 | F-EF4 |
| **Bāliņš** | **Andris** | pētnieks | **01/04/2010** | 0,9168 | F-R92 |
| Beitāne | Ilze | pētnieks | 01/09/2009 | 0,1917 | F-VP27-3 |
| Bergs | Jānis | pētnieks |  | 0,418 | F-ER7 |
| Bērziņš | Roberts | pētnieks |  | 0,6 | F-ER5 |
| Blija | Anita | pētnieks | 01/09/2012 | 0,0754 | F-VP27-3 |
| Brencis | Raitis | pētnieks |  | 0,3 | F-LL8 |
| **Brusbārdis** | **Valters** | **pētnieks** | **01/04/2010** | **0,9153** | **F-EF3** |
| Celms | Arvīds | pētnieks | 01/09/2012 | 0,4986 | F-BS1 |
| Čekstere | Gunta | pētnieks (56) |  | 0,06 | F-LL10 |
| Daģe | Ilona | pētnieks |  | 0,127 | F-L195 F-L193 |
| **Daģis** | **Salvis** | **pētnieks** | **01/04/2010** | **0,4142** | **F-ER3** |
| Dalbiņš | Jānis | pētnieks |  | 0,9126 | F-EF4 |
| Degola | Lilija | pētnieks | 01/09/2008 | 0,0863 | F-LL11 |
| **Dimiņš** | **Fredijs** | **pētnieks** | **07/02/2007** | **0,5754** | **F-EF5** |
| **Dižgalve** | **Aija** | **pētnieks** | **01/04/2010** | **0,3532** | **F-LL3** |
| Dobele | Aina | pētnieks | 01/09/2010 | 0,0503 | F-KL3 |
| Dreimanis | Andrejs | pētnieks | 01/09/2007 | 0,1 | F-ER3 |
| Drēska | Andris | pētnieks | 08/10/2010 | 0,125 | F-ER3 |
| Druva-Lūsīte | Ieva | pētnieks (56) |  | 0,075 | F-LL10 |
| **Dubova** | **Laila** | **pētnieks** | **01/04/2010** | **0,4569** | **F-VP26-3** |
| Dukulis | Ilmārs | pētnieks |  | 0,3245 | F-ER7 |
| Dūma | Māra | pētnieks | 01/09/2011 | 0,0579 | F-R84 |
| **Dūrītis** | **Ilmārs** | **pētnieks** | **01/04/2010** | **0,2299** | **F-V34** |
| Gailis | Jānis | pētnieks |  | 0,2182 | F-VP26-3 |
| Gajevskis | Antons | pētnieks |  | 0,3369 | F-ER5 |
| **Grāmatiņa** | **Ilze** | **pētnieks (56)** | **12/12/2007** | **1** | **F-EF5** |
| Grīgs | Oskars | pētnieks |  | 0,9153 | F-EF3 |
| **Grīnfelde** | **Inga** | **pētnieks** | **26/10/2011** | **0,6554** | **F-R116** |
| Gross | Uldis | pētnieks | 01/09/2009 | 0,3934 | F-ER5 |
| Gruduls | Kristaps | pētnieks |  | 0,3538 | F-LL9 |
| Grunde-Zeiferts | Uldis | pētnieks |  | 0,1202 | F-EF3 |
| Gūtmane | Iveta | pētnieks |  | 0,25 | F-ER5 |
| Ilgaža | Aija | pētnieks | 01/09/2012 | 0,1383 | F-R109 |
| Indriksons | Aigars | pētnieks | 01/09/2011 | 0,1 | F-ER3 |
| Isajevs | Romans | pētnieks |  | 0,3762 | F-ER7 |
| Jakušonoka | Ingrīda | pētnieks | 01/09/2007 | 0,0184 | F-R113 |
| Janmere | Lana | pētnieks |  | 0,2475 | F-INT1 |
| Jesko | Žanis | pētnieks |  | 0,474 | F-ER7 |
| **Jonkus** | **Daina** | **pētnieks** | **01/04/2010** | **0,2236** | **F-R100** |
| **Kaķītis** | **Aivars** | **pētnieks** | **01/04/2010** | **0,4167** | **F-R112** |
| Kalniņš | Arnis | pētnieks |  | 0,252 | F-R114 |
| **Kaļeiņikovs** | **Pēteris** | **pēteris** | **01/04/2010** | **0,4474** | **F-LL9** |
| Kanaška | Daina | pētnieks | 01/09/2008 | 0,3054 | F-ER7 |
| Kanceviča | Liene | pētnieks |  | 1,0137 | F-EF4 |
| Kantiķe | Ingrīda | pētnieks |  | 1 | F-EF5 |
| **Katamadze** | **Merabs** | **pētnieks** | **01/04/2010** | **0,2398** | **F-S243** |
| Kazulis | Valters | pētnieks |  | 0,4986 | F-BS1 |
| Klāviņa | Jolanta | pētnieks |  | 0,6667 | F-EF4 |
| Kļaviņa | Iveta | pētnieks |  | 0,025 | F-INT1 |
| Komlajeva | Ļubova | pētnieks |  | 0,9153 | F-EF4 |
| Kondratovičs | Uldis | pētnieks |  | 0,1803 | F-R117 |
| Kopmanis | Jānis | pētnieks |  | 0,1554 | F-R110 |
| Koteļeņecs | Vladimirs | pētnieks |  | 0,9153 | F-EF4 |
| Kozlinskis | Emīls | pētnieks (56) |  | 1 | F-EF5 |
| **Kreita** | **Dzintra** | **pētnieks** | **01/04/2010** | **0,4615** | **F-VP26-3** |
| Krieviņa | Agnese | pētnieks |  | 0,6667 | F-KL3 |
| Kronbergs | Andris | pētnieks |  | 1 | F-EF4 |
| **Kronbergs** | **Ēriks** | **pētnieks** | **01/04/2010** | **0,4488** | **F-ER6** |
| Krūmiņš | Jānis | pētnieks |  | 0,1878 | F-VP25-3 |
| Kukuts | Oļegs | pētnieks |  | 0,425 | F-ER5 |
| Kursītis | Andis | pētnieks |  | 0,1378 | F-INT1 |
| Ķepīte | Jana | pētnieks |  | 0,0936 | F-ER3 |
| Latvietis | Jānis | pētnieks |  | 0,0836 | F-R100 |
| Lauva | Didzis | pētnieks |  | 0,6907 | F-EF7 |
| Leibus | Inguna | pētnieks | 01/09/2011 | 0,2369 | F-R113 |
| Leikučs | Jānis | pētnieks |  | 0,9153 | F-EF4 |
| Liepa | Laima | pētnieks | 01/09/2007 | 0,1359 | F-R109 |
| Liepa | Imants | pētnieks | 02/01/2010 | 0,1672 | F-ER3 |
| Liepiņš | Sandris | pētnieks |  | 0,1615 | F-LL8 |
| **Liepniece** | **Marta** | **pētnieks** | **01/04/2010** | **0,0622** | **F-LL3** |
| **Liniņa** | **Anda** | **pētnieks** | **01/04/2010** | **0,0608** | **F-S243** |
| Liniņš | Andris | pētnieks |  | 0,418 | F-ER7 |
| Liše | Sigita | pētnieks |  | 0,0851 | F-VP25-3 |
| Līpenīte | Ināra | pētnieks | 01/09/2012 | 0,0608 | F-R110 |
| **Luguza** | **Solveiga** | **pētnieks** | **01/04/2010** | **0,1238** | **F-ER3** |
| Meiere | Diāna | pētnieks |  | 0,0977 | F-LL10 |
| **Meitalovs** | **Jurijs** | **pētnieks** | **01/09/2012** | **0,9153** | **F-EF3** |
| Miezīte | Olga | pētnieks | 01/09/2009 | 0,25 | F-ER3 |
| Millers | Mareks | pētnieks |  | 0,6381 | F-VP25 |
| Mistris | Jānis | pētnieks |  | 0,3743 | F-ER7 |
| **Mozga** | **Ivars** | pētnieks (56) | 01/04/2010 | 0,9153 | F-EF3 |
| Mugurēvičs | Arnis | pētnieks | 01/09/2007 | 0,1257 | F-R109 |
| Mutere | Olga | pētnieks |  | 0,209 | F-R110 |
| **Mūrniece** | **Irisa** | **pētnieks (56)** | **16/11/2011** | **1** | **F-EF5** |
| Naglis-Liepa | Kaspars | pētnieks |  | 0,9153 | F-EF4 |
| Neusa-Luca | Ingrīda | pētnieks |  | 0,1405 | F-VP26-3 |
| Odziņa | Ilona | pētnieks | 01/09/2009 | 0,5511 | F-EF3 |
| Osvalde | Anita | pētnieks (56) |  | 0,06 | F-LL10 |
| Ozollapiņš | Mārtiņš | pētnieks |  | 0,9973 | F-ER6 |
| Paula | Līga | pētnieks | 01/09/2009 | 0,2648 | F-INT1 |
| Paura | Līga | pētnieks | 01/09/2012 | 0,0542 | F-S243 |
| Pecka | Aldis | pētnieks |  | 0,2508 | F-ER7 |
| Pētersone | Ilze | pētnieks |  | 0,4598 | F-V34 |
| Pīrs | Vilnis | pētnieks | 01/09/2012 | 0,474 | F-ER7 |
| Pīrs | Edmunds | pētnieks |  | 0,2926 | F-ER7 |
| Poiša | Liena | pētnieks |  | 0,9153 | F-EF4 |
| Preikšs | Ilmārs | pētnieks |  | 0,5057 | F-ER5 |
| **Priedkalns** | **Gints** | **pētnieks** | **01/04/2010** | **0,15** | **F-ER3** |
| Priekule | Ilze | pētnieks |  | 0,2193 | F-VP26-3 |
| Pundurs | Einārs | pētnieks |  | 0,1303 | F-L188 |
| Putāns | Henriks | pētnieks |  | 0,9153 | F-EF4 |
| **Putniece** | **Gundega** | **pētnieks** | **01/04/2010** | **0,3372** | **F-R110** |
| Radžele-Šulce | Agnese | pētnieks | 01/09/2011 | 0,1501 | F-KL3 |
| Repša | Edgars | pētnieks |  | 0,9958 | F-EF4 |
| Rīters | Dāvis | pētnieks |  | 0,5027 | F-L195 F-L193 |
| Rozītis | Guntis | pētnieks | 01/09/2008 | 0,0625 | F-LL11 |
| Ruņģis | Dainis Edgars | pētnieks |  | 0,1458 | F-R84 |
| Sarma | Rita | pētnieks |  | 0,4125 | F-R92 |
| Siliņa | Linda | pētnieks | 01/09/2010 | 0,0628 | F-R113 |
| Skudra | Līga | pētnieks | 01/09/2007 | 0,0877 | F-VP27-3 |
| Skudra | Ilze | pētnieks |  | 1 | F-EF5 |
| Sladzevskis | Andris | pētnieks |  | 0,15 | F-ER3 |
| **Smiltiņa** | **Dace** | **pētnieks** | **01/04/2010** | **0,2257** | **F-R92** |
| Spriedēja | Kristīne | pētnieks |  | 0,127 | F-L195 F-L193 |
| Stepanova | Valerija | pētnieks |  | 0,9153 | F-EF3 |
| Stokmane | Ilze | pētnieks |  | 0,5167 | F-ER2 |
| Straume | Indulis | pētnieks |  | 0,4577 | F-EF4 |
| Straupe | Inga | pētnieks | 01/09/2009 | 0,25 | F-ER3 |
| Sturmoviča | Elīna | pētnieks | 01/09/2007 | 0,1 | F-VP27-3 |
| Šeļegovskis | Raimunds | pētnieks (56) | 01/09/2010 | 0,3344 | F-ER7 |
| **Šmits** | **Ingus** | **pētnieks** | **01/04/2010** | **0,5462** | **F-ER3** |
| Šmits | Mareks | pētnieks | 01/09/2012 | 0,4488 | F-ER6 |
| **Šterne** | **Dace** | **pētnieks** | **01/04/2010** | **0,0209** | **F-K25** |
| Tikuma | Baiba | pētnieks |  | 0,2279 | F-K25 |
| Todorovs | Dmitrijs | pētnieks |  | 0,0874 | F-ER6 |
| **Trūpa** | **Aiga** | **pētnieks (56)** | **01/09/2012** | **0,1622** | **F-LL11** |
| Uzkliņģis | Guntars | pētnieks |  | 0,4488 | F-ER6 |
| Vērdiņš | Gunārs | pētnieks (56) | 01/09/2010 | 0,2721 | F-ER7 |
| Viļums | Sandis | pētnieks |  | 0,9153 | F-EF3 |
| Vircavs | Valdis | pētnieks |  | 0,9407 | F-EF7 |
| Vīksne | Dace | pētnieks | 01/09/2011 | 0,0833 | F-KL3 |
| Zabarovskis | Eduards | pētnieks |  | 0,9153 | F-EF4 |
| Zagorska | Viktorija | pētnieks |  | 0,9918 | F-EF4 |
| Zalviņš | Ingus | pētnieks |  | 0,9973 | F-ER6 |
| Zēverte-Rivža | Sandija | pētnieks |  | 0,3609 | F-EF4 |
| **Ziemeļnieks** | **Reinis** | **pētnieks** | **01/09/2012** | **0,5643** | **F-A03** |
| Zigmunde | Daiga | pētnieks | 01/09/2011 | 0,123 | F-ER5 |
| Zimele | Anna | pētnieks |  | 0,127 | F-L195 F-L193 |
| **Zutere** | **Dace** | **pētnieks** | **01/09/2012** | **0,541** | **F-EF3** |
| **Žukauska** | **Ieva** | **pētnieks** | **01/04/2010** | **0,1198** | **F-S245** |
|  |  | **Kopā** | | **62,78** |  |
|  |  | **Kopā vēlētie** | | **21.11** |  |
|  |  | **Kopā LZA datu bāzē** | | **15.00** |  |

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| **Uzvārds** | **Vārds** | **Projekts** | **Ievēlēšanas datums** | **Amats** | **PLE** |
| Adamovičs | Dmitrijs | F-ER5 |  | zin. asistents | 0,225 |
| Andersons | Andris | F-KL1 |  | pētnieka asistents | 0,1768 |
| Andersons | Raivis | F-KL3 |  | pētnieka asistents | 0,2514 |
| Andžāne | Elīna | F-ER3 |  | zin. asistents | 0,1066 |
| Andžs | Mārtiņš | F-VP24-3 |  | pētnieka asistents | 0,1833 |
| Āls | Roberts | F-ER3 |  | zin. asistents | 0,0746 |
| Babris | Andris | F-ER3 |  | zin. asistents | 0,0623 |
| Baltmanis | Raivis | F-ER3 |  | zin. asistents | 0,2597 |
| Barsegjana | Iveta | F-EF4 |  | zin. asistents | 0,4577 |
| Baškirovs | Pāvels | F-ER5 |  | zin. asistents | 0,225 |
| Berņikova-Bondare | Sarmīte | F-VP24-3 |  | pētnieka asistents | 0,263 |
| Birkavs | Aivars | F-R112 |  | pētnieka asistents | 0,125 |
| Borovikova | Elina | F-VP24-3 |  | pētnieka asistents | 0,077 |
| Buļipopa | Nataļja | F-R108 |  | pētnieka asistents | 0,299 |
| Cirsis | Uldis | F-ER3 |  | zin. asistents | 0,0184 |
| Dabiņa-Bicka | Ilona | F-EF5 |  | asistents (zps) | 1 |
| Davidāns | Māris | F-VP25-3 |  | pētnieka asistents | 0,826 |
| Dekšnis | Andris | F-VP24-3 |  | pētnieka asistents | 0,1714 |
| Freimane | Lāsma | F-ER3 |  | zin. asistents | 0,0746 |
| Gabranovs | Jānis | F-ER3 |  | zin. asistents | 0,0623 |
| Gaters | Andris | F-R84 |  | pētnieka asistents | 0,0508 |
| Grinberga | Linda | F-R116 |  | pētnieka asistents | 0,1254 |
| Iejavs | Jānis | F-VP24-3 |  | pētnieka asistents | 0,3508 |
| Ivļijeva | Irīna | F-ER5 |  | zin. asistents | 0,125 |
| Jakovļevs | Vilnis | F-VP24-3 |  | pētnieka asistents | 0,3381 |
| Jeroščenkova | Laura | F-R114 |  | pētnieka asistents | 0,2 |
| Keidāne | Dace | F-R109 |  | pētnieka asistents | 0,2507 |
| Kļaviņš | Uldis | F-R116 |  | pētnieka asistents | 0,2167 |
| Korzunovs | Edmunds | F-ER5 |  | zin. asistents | 0,225 |
| Kronberga | Maija | F-VP27-3 |  | pētnieka asistents | 0,0545 |
| Kruskops | Krists | F-ER3 |  | zin. asistents | 0,0975 |
| Krūklīte | Anna | F-S246 |  | pētnieka asistents | 0,15 |
| Krūmiņš | Mārtiņš | F-ER3 |  | zin. asistents | 0,4 |
| Kupfere | Līga | F-ER3 |  | asistents (zps) | 0,0746 |
| Kuprijanovs | Jānis | F-ER6 |  | zin. asistents | 0,9973 |
| Kūliņš | Laimonis | F-VP24-3 |  | pētnieka asistents | 0,1434 |
| Lagzdiņš | Ainis | F-R116 |  | pētnieka asistents | 0,2813 |
| Lāceklis-Bertmanis | Jānis | F-R112 |  | pētnieka asistents | 0,418 |
| Leimane | Ieva | F-KL4 |  | pētnieka asistents | 0,418 |
| Lēnerts | Arnis | F-R114 |  | pētnieka asistents | 0,1 |
| Liepa | Līga | F-ER3 |  | zin. asistents | 0,2 |
| Liepiņa | Ligita | F-R84 |  | pētnieka asistents | 0,1678 |
| Liepiņa | Anna | F-ER3 |  | zin. asistents | 0,0939 |
| Līvmane | Ilga | F-ER5 |  | zin. asistents | 0,4764 |
| Lupiķis | Ainārs | F-ER3 |  | zin. asistents | 0,0939 |
| Lūsis | Ivars | F-R109 |  | pētnieka asistents | 0,1 |
| Mangale | Māra | F-R109 |  | pētnieka asistents | 0,0691 |
| Melnbārds | Jānis | F-EF6 |  | zin. asistents | 0,4454 |
| Melngalvis | Indulis | F-R110 |  | pētnieka asistents | 0,1755 |
| Metums | Juris | F-VP24-3 |  | pētnieka asistents | 0,077 |
| Metušoka | Kristīne | F-ER3 |  | zin. asistents | 0,5109 |
| Miončinskis | Ulvis | F-VP24-3 |  | pētnieka asistents | 0,1639 |
| Okmanis | Modris | F-ER3 |  | zin. asistents | 0,0746 |
| Ozoliņa | Anita | F-ER3 |  | zin. asistents | 0,0746 |
| Ozoliņa | Ieva | F-ER3 |  | zin. asistents | 0,0623 |
| Pauliņš | Nauris | F-LL6 |  | eksperts | 0,0498 |
| Poikāns | Jānis | F-ER3 |  | zin. asistents | 0,0492 |
| Polmanis | Kaspars | F-ER3 |  | zin. asistents | 0,0746 |
| Priedcēlāja | Gunta | F-ER3 |  | zin. asistents | 0,1254 |
| Priedīte | Anda | F-ER3 |  | asistents (zps) | 0,3125 |
| Pudāns | Emīls | F-ER6 |  | zin. asistents | 0,1617 |
| Puķīte | Egija | F-ER3 |  | zin. asistents | 0,0746 |
| Puļķis | Kristaps | F-ER5 |  | zin. asistents | 0,262 |
| Puļķis | Vilnis | F-ER5 |  | zin. asistents | 0,5068 |
| Putnieks | Aigars | F-LL8 |  | informācijas tehnoloģijas projekta vadītājs | 0,3 |
| Radenkovs | Vitalijs | F-VP27-3 |  | pētnieka asistents | 0,3167 |
| Riekstiņa | Kristīne | F-ER3 |  | zin. asistents | 0,2016 |
| Riekstiņa-Dolģe | Rita | F-VP27-3 |  | pētnieka asistents | 0,0627 |
| Rožinskis | Ritvars | F-ER6 |  | zin. asistents | 0,9973 |
| Rudzītis | Edgars | F-VP24-3 |  | pētnieka asistents | 0,077 |
| Rūba | Jeļena | F-ER3 |  | zinātniskais asistents | 0,1123 |
| Rūse | Karina | F-EF5 |  | asistents (zps) | 1 |
| Stepanovs | Leonīds | F-ER3 |  | zin. asistents | 0,0451 |
| Stradiņa | Gundega | F-ER5 |  | zin. asistents | 0,225 |
| Suveizda | Oskars | F-ER3 |  | zin. asistents | 0,25 |
| Šabovics | Mārtiņš | F-EF5 |  | asistents (zps) | 1 |
| Šiliņa | Laima | F-VP27-3 |  | pētnieka asistents | 0,0627 |
| Švēdere | Dana | F-R113 |  | pētnieka asistents | 0,699 |
| Tetere | Vineta | F-R113 |  | pētnieka asistents | 0,0754 |
| Tetērins | Raitis | F-VP24-3 |  | pētnieka asistents | 0,077 |
| Tiļugs | Andris | F-ER3 |  | zin. asistents | 0,0799 |
| Ungure | Eva | F-VP27-3 |  | pētnieka asistents | 0,075 |
| Upenieks | Zintis | F-ER3 |  | zinātniskais asistents | 0,0523 |
| Veinbergs | Artūrs | F-EF7 |  | pētnieka asistents | 0,9513 |
| Viduža | Māra | F-R109 |  | pētnieka asistents | 0,2333 |
| Zaļkalns | Oskars | F-ER3 |  | zin. asistents | 0,0333 |
| Zeltiņa | Amanda | F-ER3 |  | zin. asistents | 0,0995 |
|  |  |  | **Kopā** | | 21,95 |

**Zinātnes tehniskais personāls**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Vārds** | **Uzvārds** | **Projekti** | **Amats** | **PLE gadā** |  |
| Abace | Inga | F-VP24-3 | laborants | 0,8727 |
| Alksne | Gita | F-S246 | laborants | 0,2 |
| Atslēga | Svetlana | F-LL6 | eksperts | 0,1328 |
| Augšpole | Ingrīda | F-VP27-3 | laborants | 0,1 |
| Ābele | Andis | F-VP24-3 | laborants | 0,2485 |
| Āboliņa | Dace | F-VP25-3 | laborants | 0,2189 |
| Āboliņa | Madara | F-LL3 | projekta koordinators | 0,1167 |
| Ābolkalna | Anda | F-EF7 | laborants | 0,5631 |
| Bandere | Jolanta | F-EF4 | grāmatvedis | 0,7459 |
| Bariss | Voldemārs | F-INT1 | projekta vadītājs | 0,2475 |
| Beitere-Šeļegovska | Zane | F-LL5 | lektors | 0,2484 |
| Berjoza | Dainis | F-ER7 | projekta vadītājs | 0,4324 |
| Bērziņa | Mārīte | F-S243 | laborants | 0,9346 |
| Bitenieks | Krišs | F-R84 | laborants | 0,0779 |
| Blija | Teodors | F-LL7 | eksperts | 0,1855 |
| Butāne | Linda | F-LL6 | sabiedrisko attiecību speciālists | 0,1466 |
| Celmiņa | Dzintra Lilita | F-KL2 | vecākais laborants | 0,1704 |
| Ceple | Dzidra | F-ER7 | projekta asistents | 0,209 |
| Danenberga | Ligita | F-LL5 | lektors | 0,1005 |
| Dimanta | Zane | F-EF7 | laborants | 0,9153 |
| Dreimanis | Artūrs | F-LL9 | sabiedrisko attiecību speciālists | 0,0689 |
| Dubrovska | Valija | F-EF4 | projekta vadītāja asistents | 0,7377 |
| Dubrovska | Tatjana | F-KL2 | vecākais laborants | 0,1704 |
| Dudare | Inta | F-VP26-3 | laborants | 0,1494 |
| Duka | Vita | F-LL6 | eksperts | 0,0664 |
| Dzērve | Andris | F-ER7 | projekta asistents | 0,2926 |
| Ekerte | Elīna | F-EF4 | koordinators | 0,4945 |
| Gailis | Māris | F-ER7 | projekta asistents | 0,1865 |
| Gailuma | Agnese | F-EF7 | laborants | 0,9153 |
| Ganola | Kristīne | F-S246 | laborants | 0,2008 |
| Gertners | Jānis | F-R116 | laborants | 0,0365 |
| Gmizo | Gaļina | F-ER8 | laborants | 0,5 |
| Ģērmane | Ieva | F-LL5 | lektors | 0,1639 |
| Ivbule | Meldra | F-LL8 | laborants | 0,1268 |
| Īle | Una | F-A03 | inženieris | 0,7788 |
| Jankevica | Maija | F-EF2 | projekta vadītāja asistents | 1 |
| Janušauskis | Voldemārs | F-KL2 | laborants | 0,1045 |
| Jēgere | Ilze | F-LL6 | eksperts | 0,0332 |
| Jurdžs | Māris | F-EF2 | konsultants | 0,9153 |
| Karlsons | Uldis | F-LL9 | lektors | 0,2667 |
| Kiliča | Inesa | F-EF3 | projekta vadītāja asistents | 0,4577 |
| Kļava | Māris | F-EF5 | projekta koordinators | 0,0765 |
| Kļaviņš | Aivars | F-ER7 | projekta asistents | 0,1995 |
| Kostromins | Andrejs | F-EF3 | laborants | 0,9153 |
| Kozinda | Kamilla | F-V34 | laborants | 0,209 |
| Krasovska | Liene | F-INT1 | projekta vadītāja asistents | 0,2378 |
| Krauze | Aigars | F-KL2 | laborants | 0,1045 |
| Krauze | Guntis | F-KL2 | laborants | 0,1045 |
| Krauze | Lilita | F-S244 | laborants | 0,1557 |
| Laimiņa | Ineta | F-EF2 | konsultants | 0,9153 |
| Lintiņa | Biruta | F-R112 | laborants | 0,1667 |
| Lūsis | Māris | F-EF7 | administrators | 0,4577 |
| Magaznieks | Jānis | F-VP25-3 | laborants | 0,5219 |
| Marecka | Una | F-EF7 | laborants | 0,1795 |
| Medne | Elīna | F-L188 | vecākais laborants | 0,0423 |
| Medvedevs | Jānis | F-A03 | laborants | 0,8458 |
| Melbārde | Ieva | F-EF5 | projekta koordinators | 0,0765 |
| Mežote | Anete | F-R100 | laborants | 0,2059 |
| Miltiņš | Gunārs | F-KL2 | vecākais laborants | 0,1669 |
| Ņukšs | Guntars | F-EF2 | koordinators | 0,9577 |
| Oļeņiča | Nellija | F-S246 | laborants | 0,075 |
| Osīts | Normunds | F-LL8 | projekta koordinators | 0,912 |
| Ozolniece | Ligita | F-LL5 | projekta koordinators | 0,2839 |
| Ozols | Andris | F-R84 | laborants | 0,0826 |
| Paula | Vita | F-LL6 | autors | 0,0311 |
| Pētersone | Līga | F-LL10 | projekta asistents | 0,4948 |
| Ponomarjova | Olga | F-A03 | vecākais laborants | 0,2992 |
| Pormale | Zanda | F-ER3 | laborants | 0,1958 |
| Potapova | Katrīna | F-R110 | vecākais laborants | 0,1045 |
| Putnieks | Uldis | F-ER7 | projekta asistents | 0,2717 |
| Reinsone | Ināra | F-KL1 | laborants | 0,2227 |
| Revins | Vjačeslavs | F-LL8 | laborants | 0,0721 |
| Rižakova | Ināra | F-R110 | vecākais laborants | 0,2137 |
| Robežniece | Loveta | F-S243 | laborants | 0,9764 |
| Rubene | Daina | F-S243 | laborants | 0,957 |
| Rubina | Tatjana | F-LL6 | eksperts | 0,0888 |
| Rutkovska | Santa | F-EF2 | projekta koordinators | 0,2193 |
| Rūtenberga-Āva | Anda | F-A03 | laboratorijas vadītājs | 0,1598 |
| Sanžarevska | Renāte | F-R110 | vecākais laborants | 0,1057 |
| Sarvi | Svetlana | F-EF5 | laborants | 1 |
| Sausserde | Rudīte | F-LL3 | sabiedrisko attiecību speciālists | 0,3144 |
| Sergejeva | Natālija | F-LL6 | eksperts | 0,1918 |
| Sisenis | Linards | F-LL9 | projekta vadītāja asistents | 0,0375 |
| Skujāns | Juris | F-ER5 | zinātniskā darba vadītājs | 0,1246 |
| Sprincina | Anita | F-S243 | vecākais laborants | 0,075 |
| Stramkale | Evita | F-EF2 | projekta vadītāja asistents | 0,5799 |
| Straumīte | Evita | F-EF5 | projekta vadītājs | 1 |
| Strauta | Liene | F-A03 | vecākais inženieris-ķīmiķis | 0,9322 |
| Strazdiņa | Ingrīda | F-INT1 | projekta vadītāja asistents | 0,3005 |
| Svika | Diana | F-VP25-3 | laborants | 0,0365 |
| Šeļegovskis | Jānis | F-LL11 | mājas lapas administrators | 0,1041 |
| Špāka | Terēza | F-LL10 | projekta asistents | 0,0167 |
| Švāne | Ilvita | F-EF6 | projekta vadītājs | 0,1066 |
| Švāne | Dangole | F-R109 | laborants | 0,125 |
| Trops | Jānis | F-S245 | laborants | 0,5 |
| Tukule | Anita | F-S243 | laborants | 0,9742 |
| Upmanis | Andrejs | F-K7 | mehāniķis | 0,349 |
| Vesmane | Marina | F-A03 | laborants | 0,1745 |
| Vintere | Anna | F-LL6 | eksperts | 0,3479 |
| Vītola | Ilva | F-EF7 | laborants | 0,9153 |
| Vuškāne | Aija | F-EF4 | grāmatvedis | 0,9126 |
| Zeidmane | Anda | F-LL6 | eksperts | 0,1328 |
| Zvīgule | Anda | F-EP12 | projekta koordinators | 0,3743 |
| Žukova | Inese | F-S244 | laborants | 0,1661 |
|  |  | **kopā** | | **37.88** |

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| **Zinātni apkalpojošais personāls** | | | |
| **Uzvārds** | **Vārds** | **Amats** | **PLE** |
| Alsiņa | Ina | Zinātņu daļas vadītāja | 0,6049 |
| Antonova | Ina | grāmatvedis | 0,9661 |
| Astiča | Signe | iepirkuma speciālists | 0,0667 |
| Kārkliņš | Aldis | zinātnisko rakstu redaktors | 0,2 |
| Korkla | Daiga | grāmatvedis | 0,0311 |
| Kupče | Elvīra | personāla inspektors | 0,2936 |
| Kuzņecova | Regīna | grāmatvedis | 0,1439 |
| Mangale | Jūlija | ekonomists | 0,8623 |
| Mauliņa | Dace | projekta vadītāja asistents | 0,806 |
| Mauševica | Evija | grāmatvedis | 0,9404 |
| Oļševska | Agnese | projekta vadītāja asistents | 0,9899 |
| Plone | Evija | pētnieks | 0,5667 |
| Rube | Lidija | iepirkuma speciālists | 0,0079 |
| Rumpe | Natālija | grāmatvedis | 0,9322 |
| Skuja | Inga | galvenais redaktors | 0,9246 |
| Sprukta | Inese | iepirkuma speciālists | 0,1851 |
| Upeniece | Liene | projekta koordinators | 0,9303 |
| Vasiļjeva | Valentīna | grāmatvedis | 0,8238 |
| Zvaigznone | Ingrīda | grāmatvedis | 0,1495 |
| Želve | Lilija | grāmatvedis | 0,125 |
|  |  | **kopā** | **10.55** |

**Apzīmējumi**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| F-A | 2012.gadā saņēma bāzes finansējumu |  | F-VP | Dalība Valsts pētījumu programmās |
| F- R | Dalība LZP projektos |  | F-ES;F-EF;F-EP | Dalība ES projektos (Eureka u.c.) |
| F- S | Dalība ZM subsīdiju projektos |  | F-LL | Dalība pārrobežu sadarbības projektos |
| F-K;F-L | Līgumdarbi |  | F-INT | Dalība Interreg projektos |
| **Treknrakstā** | **Atrodami LZA datu bāzē** |  |  |  |

1. **LLU finansējums 2012. gadā**

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| --- | --- | --- |
| **I Augstskolas/koledžas ieņēmumi** | | |
|  |  |  |
| Rindas kods | Ieņēmumi veids | Ieņēmumu apmērs, tūkstošos latu |
| A | B | 1 |
| **9000** | **Ieņēmumi kopā** | ***19 942 873*** |
| **9100** | **Finansējums studijām** | *11 980 389* |
|  |  |  |
| 9110 | dotācija no vispārējiem ieņēmumiem studijām | *9 585 723* |
| 9111 | tai skaitā – ES struktūrfondu finansējums studijām (ESF un ERAF) | 3 899 264 |
| 9120 | pašu ieņēmumi no studiju maksas | *2 029 896* |
| 9130 | finansējums studijām no starptautiskiem avotiem (Erasmus, Comenius, Grundvig, Leonardo Da Vinci, u.c.mūžizglītības programmas un citi ārvalstu finanšu instrumenti | 364 770 |
| 906 | cits finansējums studijām | 0 |
| **907** | **Finansējums zinātniskajai darbībai** | *5 642 040* |
| ***908*** | ***Valsts budžeta finansējums, tai skaitā*** | ***5 163 582*** |
| 909 | ES struktūrfondu finansējums zinātniskajai darbībai (ESF un ERAF) | 4 309 685 |
| 910 | - Latvijas Zinātnes padomes (LZP) granti un cits LZP finansējums | 216 000 |
| 911 | - Zinātniskās darbības bāzes finansējums | 236 223 |
| 912 | - Valsts pētījumu programmu finansējums | 149 674 |
| 913 | - Zinātniskās darbības attīstības finansējums | 0 |
| 914 | - Pārējais valsts budžeta finansējums (piemēram, Tirgus orientēto pētījumu finansējums, pašvadību finansējums) | 252 000 |
| ***915*** | ***Finansējums no starptautiskiem avotiem – kopā (Eiropas teritoriālās sadarbības projektu, Eiropas Ekonomiskās zonas projektu, ES 7.ietvara programmas projektu, EUREKA, EUROSTARS, COST. Life u.c.projketu finansējums)*** | ***0*** |
| 916 | tai skaitā - ieņēmumi no līgumdarbiem ar ārvalstu juridiskām personām | 0 |
| ***917*** | ***Ieņēmumi no līgumdarbiem ar Latvijas Republikas juridiskām personām*** | ***23 000*** |
| ***918*** | ***Cits finansējums zinātniskajai darbībai (uzskaitīt būtiskākos)*** | ***455 458*** |
| 919 | tai skaitā - ZM LAD subsīdijas | 445 497 |
| 920 | *TEPEK* | 9 961 |
| **921** | **Citi ieņēmumi (10310+10320)** | *2 320 444* |
| 922 | Pašu ieņēmumi no telpu nomas | *344 097* |
| 923 | Pārējie citi ieņēmumi (uzskaitīt būtiskākos) | *1 976 347* |
| 924 | tai skaitā - ziedojumi | 21 046 |
| 925 | Ieņēmumi no starptautiskajiem avotiem, kas tiešā veidā nav saistīti ar studijām vai zinātni (EEZ un Norvēģijas valdības divpusējais finanšu instruments, INTERREG u.c.) | 385 726 |

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| **II Augstskolas/koledžas izdevumi** | | | |
|  |  |  |  |
| N.p.k. | Izdevumu veids | Kods | Izdevumu apmērs, tūkstošos latu |
| 1 | Atalgojumi kopā | 1100 | *6 799 560* |
|  | tai skaitā akadēmiskajam personālam |  | 3 198 192 |
|  | administratīvajam personālam |  | 435 198 |
|  | vispārējam personālam |  | 3 166 170 |
| 2 | Darba devēja valsts sociālās apdrošināšanas obligātās iemaksas | 1200 | *1 694 308* |
| 3 | Preces un pakalpojumi kopā, tajā skaitā | 2000 | *3 982 302* |
| 4 | Komandējumi un dienesta braucieni | 2100 | *308 475* |
| 5 | Pakalpojumi | 2200 | *1 954 155* |
|  | tai skaitā komunālie pakalpojumi | 2220 | *453 733* |
| 6 | Krājumi, materiāli, energoresursi, preces, biroja preces un inventārs, kurus neuzskaita kodā 5000 | 2300 | 1 438 990 |
| 7 | Izdevumi periodikas iegādei | 2400 | *9 346* |
| 8 | Subsīdijas un dotācijas kopā | 3000 |  |
| 9 | Pamatkapitāla veidošana | 5000 | 4 525 528 |
| 10 | Pamatlīdzekļi | 5200 | 4 468 873 |
| 11 | Sociālie pabalsti | 6000 | *1 369 911* |
|  | tai skaitā stipendijas | 6291 | 1 369 911 |
|  | tai skaitā transporta izdevumu kompensācijas | 6292 | *0* |
| 12 | Citi izdevumi (transferti citām iestādēm) | 7000 | 538 565 |
| **1** | **Izdevumi kopā (11010+11020+11030+11040+11050+11060+11070+11080+11090)** |  | ***18 910 174*** |