

List of recent doctoral theses (biochemistry, biophysics, biology, ecology and environmental, zoology, forestry) in Lithuania

Compiled by Indrė LIPATOVA

Detailed information on the theses can be found at the “Theses and Dissertations” section of the Lithuanian Academic Electronic Library: https://elaba.lvb.lt/primo_library/libweb/action/search.do?vid=ELABA&prefLang=en_US&afterPDS=true

Thesis title	Branch	Author	Date of defence	Supervisor(s)
Immobilization of lipid membranes on the planar surfaces. Surface plasmon resonance study	Biochemistry	Tadas Ragaliauskas	23 March 2017	Assoc. Prof. Dr. Gintaras Valinčius, Vilnius University
Reagentless enzymatic systems consisting of carbonaceous structures	Biochemistry	Ieva Šakinytė	20 April 2017	Dr. Julija Razumienė, Vilnius University
Yeast-generated parvoviral virus-like particles and their use in diagnostics	Biochemistry	Paulius Lukas Tamošiūnas	31 May 2017	Prof. Habil. Dr. Kęstutis Sasnauskas, Vilnius University
Construction of self-assembling nanostructures based on structural proteins of bacteriophages	Biochemistry	Georgij Kostiuk	4 July 2017	Prof. Dr. Virginijus Šikšnys, Vilnius University
Endophytic bacteria population structure of domestic apple and interaction with apple cells and shoots <i>in vitro</i>	Biochemistry	Inga Tamošiūnė	21 November 2017	Dr. Danas Baniulis, Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry
Conditions and compounds for analysis of efflux pump activity in bacteria	Biochemistry	Valeryia Mikalayeva	23 November 2017	Prof. Dr. Rimantas Daugelavičius, Vytautas Magnus University
Formation and properties of membranous tunneling tubes between tumor cells	Biophysics	Renata Sveikatiienė	3 March 2017	Prof. Dr. Vytenis Arvydas Skeberdis, Lithuanian University of Health Sciences
Analysis of sonoporation metrics	Biophysics	Martynas Maciulevičius	25 August 2017	Prof. Dr. Saulius Šatkauskas, Vytautas Magnus University

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Observed and intrinsic thermodynamic and kinetic parameters of sulfonamide derivative binding to carbonic anhydrases	Biology	Vaida Aleknavičiūtė-Ablonskė	24 March 2017	Prof. Habil. Dr. Albertas Skurvydas, Lithuanian Sports University
Organization and functioning patterns of <i>Lycopodium</i> L. and <i>Diphasiastrum</i> holub populations with an emphasis on gametophytes and juvenile sporophytes in dry pine forests	Biology	Radvilė Rimgailė-Voicik	11 May 2017	Prof. Habil. Dr. Jonas Remigijus Naujalis, Vilnius University
Investigation of molecular mechanisms of microglia and beta amyloid oligomers interaction causing neuronal death	Biology	Silvija Jankevičiūtė	29 June 2017	Prof. Dr. Vilmantė Borutaitė, Lithuanian University of Health Sciences
Diagnostic and prognostic dna methylation biomarkers of prostate cancer	Biology	Kristina Daniūnaitė	29 June 2017	Prof. Dr. Sonata Jarmalaitė, Vilnius University
Specificity and problematic aspects in legal regulation of advanced therapy medicinal products	Biology	Tatjana Ivaškienė	10 July 2017	Dr. Mykolas Mauricas, State Research Institute Centre for Innovative Medicine
Prevalence of pathogens in <i>Dermacentor reticulatus</i> ticks in different locations of distribution	Biology	Asta Aleksandravičienė	25 August 2017	Prof. Dr. Algimantas Paulauskas, Vytautas Magnus University
Genetic diversity of Lithuanian populations of common juniper (<i>Juniperus communis</i> L.) and related factors	Biology	Ramūnas Vilčinskas	25 August 2017	Prof. Habil. Dr. Eugenija Kupčinskienė, Vytautas Magnus University
Role of microRNA and their target genes in pathogenesis of gastric cancer	Biology	Violeta Šaltenienė	31 August 2017	Prof. Dr. Gediminas Kiudelis, Lithuanian University of Health Sciences
Impact of active external body warming on hypothermia-induced alterations in cognitive and neuromuscular functions	Biology	Henrikas Paulauskas	1 September 2017	Assoc. Prof. Dr. Marius Brazaitis, Lithuanian Sports University
Early diagnostics of skeletal muscle and tendon chronic damage risk for children and adolescents engaged in sport	Biology	Mantas Mickevičius	1 September 2017	Prof. Dr. Sigitas Kamandulis, Lithuanian Sports University
Novel functional and morphological retinal studies using Huntington's disease r6/2 mouse and strong light-induced retinal damage models	Biology	Symantas Raugauskas	22 September 2017	Dr. Giedrius Kalesnykas, Tampere University
Effects of age and sex on fatigability and recovery from maximal isometric voluntary contractions of knee extensors	Biology	Lina Kreivėnaitė	26 September 2017	Prof. Dr. Vytautas Streckis, Lithuanian Sports University

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Anti-cancer efficacy of xenovaccines and autologous vaccines <i>in vivo</i> laboratory murine models	Biology	Jan Aleksander Krasko	28 September 2017	Dr. Vita Pašukonienė, National Cancer Institute
The effect of high volume stretch-shortening cycle exercise on muscle and connective tissue damage	Biology	Vidas Paleckis	3 October 2017	Prof. Dr. Sigitas Kamandulis, Lithuanian Sports University
Evaluation of lactic acid and thermophilic bacteria antibacterial activity and compatibility with prebiotic oligosaccharides for development of new synbiotics	Biology	Raminta Pranckutė	10 November 2017	Prof. Dr. Nomedas Kuisienė, Prof. Dr. Donaldas Jonas Čitavičius, Vilnius University
Batrachium in lithuanian rivers: morphological and genetic diversity and related factors	Biology	Jurgita Butkuvienė	1 December 2017	Prof. Dr. Donatas Žvingila, Vilnius University
Insects inhabiting the trap-nests for hymenoptera and effects of anthropogenic factors on them	Ecology and environmental	Svetlana Orlovskytė	5 May 2017	Assoc. Prof. Dr. Eduardas Budrys, Nature Research Centre
Impact of environmental factors on the structure of fish communities, isotopic ratio in hydrobionts and trophic levels in the rivers ecosystem of different ecological state	Ecology and environmental	Laurynas Čivas	8 May 2017	Dr. Vytautas Kesminas, Nature Research Centre
Food web of the Lithuanian Baltic Sea coastal zone: structure and organic matter flows	Ecology and environmental	Rasa Morkūnė	6 June 2017	Prof. Dr. Artūras Razinkovas-Baziukas, Klaipėda University
Trophic plasticity, metabolism and community effects of Ponto-Caspian peracaridans in lentic ecosystems of native and invaded ranges	Ecology and environmental	Eglė Šidagytė	15 June 2017	Prof. Dr. Kęstutis Arbačiauskas, Nature Research Centre
The impact of heliogeophysical environmental factors on the course of ischemic heart disease	Ecology and environmental	Jolanta Antanaitienė	16 June 2017	Prof. Dr. Jonė Vencloviienė, Vytautas Magnus University
Timing of breeding, dynamics of individual and population parameters, their long-term changes, and relationships with habitat and climate change in Tawny Owl <i>Strix aluco</i>	Ecology and environmental	Gintarė Grašytė	19 June 2017	Dr. Rimgaudas Treinys, Nature Research Centre
Migration of stocked european eels (<i>Anguilla Anguilla</i> L.) in Lithuania and potential contribution to spawning stock restoration	Ecology and environmental	Justas Dainys	25 August 2017	Dr. Linas Ložys, Nature Research Centre
Fauna and trophic relationships of the Middle and South American Nesticuloidea (Lepidoptera: Nesticulidae, Opostegidae)	Ecology and environmental	Andrius Remeikis	7 September 2017	Prof. Habil. Dr. Jonas Rimantas Stonis, Lithuanian University of Educational Sciences

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Soil sustainability in the forest stands of alien species	Ecology and environmental	Dovilė Čiuldienė	12 September 2017	Dr. Kęstutis Armo-laitis, Lithuanian Research Centre for Agriculture and Forestry
The influence of conditions of sapropel formation on its chemical composition and contamination	Ecology and environmental	Vaidotas Valskys	12 October 2017	Assoc. Prof. Dr. Jonas Satkūnas, Vilnius University
The assessment of the impact of particulate matter on allergy risk in adults by integrating exposure models	Ecology and environmental	Auksė Miškinytė	13 October 2017	Assoc. Prof. Dr. Audrius Dėdelė, Vytautas Magnus University
Impact of environmental factors integrated exposure on preschool children overweight and obesity	Ecology and environmental	Inga Petravičienė	20 October 2017	Prof. Habil. Dr. Regina Gražulevičienė, Vytautas Magnus University
The impact of climate change on the beginning and end of vegetation period of deciduous trees	Ecology and environmental	Irma Žemaitė	15 November 2017	Prof. Habil. Dr. Romualdas Juknys, Vytautas Magnus University
Studying the mechanisms of cardiovascular development and regeneration in <i>Danio rerio</i> (Hamilton, 1822)	Zoology	Viktorija Grajevskaja	30 January 2017	Dr. Darius Balčiūnas, Vilnius University
Environmental and genetic attributes of wolf trees' morphological types in Scots Pine (<i>Pinus sylvestris</i> L.)	Forestry	Ekaterina Makrickienė	24 February 2017	Prof. Dr. Gediminas Brazaitis, Aleksandras Stulginskis University
Factors of development of willow energy plantations in Lithuania	Forestry	Julija Konstantinavičienė	16 June 2017	Dr. Liana Sadauskienė, Dr. Vidas Stakėnas, Lithuanian Research Centre for Agriculture and Forestry
Effect of forest management on genetic diversity and spatial genetic structure of Scots Pine (<i>Pinus sylvestris</i> L.) Stands	Forestry	Vilma Kerpauskaitė	16 June 2017	Prof. Dr. Darius Danusevičius, Aleksandras Stulginskis University
Incidence and economic losses caused by root and butt rot in spruce stands of Lithuania	Forestry	Gintaras Visalga	29 August 2017	Prof. Dr. Edmundas Petrauskas, Aleksandras Stulginskis University
Ecogenetic plasticity and adaptation of poplar hybrids and clones to Lithuanian natural conditions to be used in plantation forestry	Forestry	Valda Gudynaitė-Franckevičienė	29 September 2017	Prof. Dr. Alfas Pliūra, Lithuanian Research Centre for Agriculture and Forestry
Dendroindicative evaluation of growth rate changes of Norway Spruce (<i>Picea abies</i> (L.) H. Karst.) in Kurzeme	Forestry	Oskars Zalkans	14 December 2017	Prof. Habil. Dr. Imants Liepa, Latvia University of Agriculture, Prof. Dr. Edmundas Bartkevičius, Aleksandras Stulginskis University