

Zoznam výskumných projektov riešených v roku 2017

Poradové číslo projektu	Typ a identifikačné číslo projektu	Zodpovedný riešiteľ projektu	Názov projektu	Začiatok riešenia projektu (mes./rok)	Koniec riešenia projektu (mes./rok)	Objem poskytnutých finančných prostriedkov (tis. Euro)
			<u>Centre of Applied Computer Science</u>			
1.	VVGS PF UPJŠ VVGS-PF- 2016-72610	RNDr. JUDr. Pavol Sokol, PhD.	Detection of attacks using the honeypots	04/2016	06/2017	0.000
2.	VVGS PF UPJŠ VVGS-PF- 2017- 292_rozvoj	RNDr. JUDr. Pavol Sokol, PhD.	V4 Cybersecurity Conference - Washington	03/2017	03/2017	0.560
						0.560
			<u>Institute of Biology and Ecology</u>			
3.	VEGA 1/0046/14	doc. RNDr. Peter Paľove-Balang, PhD.	Interaction of nitrogen and phenolic metabolism in medicinal plants	01/2014	12/2017	9.921
4.	VEGA 1/0199/14	doc. RNDr. Ľubomír Kováč, CSc.	Importance of subsurface scree habitats for interactions between soil and subterranean environment on example of arthropod communitises (Arthropoda)	01/2014	12/2017	5.437
5.	VEGA 1/0417/14	RNDr. Igor Majláth, PhD.	Pathogen induced manipulation of behavior of ticks (vector) and reptiles (host)	01/2014	12/2017	4.735
6.	VEGA 1/0090/15	prof. RNDr. Eva Čellárová, DrSc.	De novo RNA-seq transcriptome analysis of Hypericum spp. aimed at identification of candidate genes coding for profiling secondary metabolites	01/2015	12/2018	15.368
7.	VEGA 1/0147/15	prof. RNDr. Peter Fedoročko, CSc.	Pleiotropic effect of non-activated and photo-activated hypericin on the factors affecting multidrug resistance in cancer cells	01/2015	12/2018	18.766
8.	VEGA 1/0163/15	prof. RNDr. Pavol Mártonfi, PhD.	Endopolyploidy of selected taxa of the genera Trifolium and Lotus in relation to their physiological and production parameters	01/2015	12/2018	6.207

9.	VEGA 1/0394/15	doc. RNDr. Peter Solár, PhD.	Erythropoietin receptor in mammary adenocarcinoma and its role in resistance to tamoxifen	01/2015	12/2018	16.776
10.	VEGA 1/0512/15	Mgr. Vladislav Kolarčík, PhD.	Evolutionary processes and reproduction strategies in the genus <i>Onosma</i>	01/2015	12/2018	9.389
11.	MŠ SR -APVV APVV-14-0154	prof. RNDr. Eva Čellárová, DrSc.	Transcriptome, metabolome and signalome of bioactive compounds with anticancer effects in the genus <i>Hypericum</i>	07/2015	06/2019	55.206 (68.444) *
12.	Iné granty zahraničné AGL2014- 54413- R_Pal'ove- Balang	Marco Betti	<i>Lotus japonicus</i> as a model for the identification of new genes involved in the response to abiotic stress and productivity in legume plants	01/2015	12/2017	0.000
13.	KEGA 012UPJŠ- 4/2016	prof. RNDr. Martin Bačkor, DrSc.	Biomonitoring of environmental pollution using lichens - design of curriculum and development of textbooks for a new course	01/2016	12/2018	5.150
14.	VEGA 1/0635/16	doc. RNDr. Zuzana Daxnerová, CSc.	Cerebrospinal fluid contacting neurons (CSF-cNs) and their role in mammalian spinal cord	01/2016	12/2019	15.200
15.	VEGA 1/0792/16	prof. RNDr. Martin Bačkor, DrSc.	Alleopathic effect of lichen secondary metabolites	01/2016	12/2019	12.928
16.	VVGS PF UPJŠ VVGS-PF- 2016-72607	RNDr. Zuzana Gombalová	Characterization of the cells lining the central canal of spinal cord post mortem, as a stem cell niche in the adult CNS	04/2016	06/2017	0.000
17.	VVGS PF UPJŠ VVGS-PF- 2016-72617	RNDr. Erika Szentpéteriová	Erythropoietin receptor and its role in breast cancer resistance to paclitaxel	04/2016	06/2017	0.000
18.	VVGS PF UPJŠ VVGS-PF- 2016-72621	RNDr. Diana Kopcsayová	Embryogenesis of <i>Arabidopsis thaliana</i> in relation to isoprenoid biosynthesis	04/2016	06/2017	0.000
19.	VVGS PF UPJŠ VVGS-PF- 2016-72625	Mgr. RNDr. Martin Majerník	Finding differences in the effects of photodynamic therapy with hypericin between 2D and 3D cell models (spheroids) of chosen cell lines	04/2016	06/2017	0.000

20.	VVGS PF UPJŠ VVGS-PF- 2016-72615	RNDr. Michal Goga, PhD.	Biological activity of secondary metabolites of lichens (allelopathy, UV-protection)	04/2016	06/2017	0.000
21.	VVGS PF UPJŠ VVGS-PF- 2016-72622	RNDr. Maroš Dzurinka, PhD.	Morphological and genetical study of hardly distinguishable Colias species, Fabricius, 1807 (Lepidoptera: Pieridae)	04/2016	06/2017	0.000
22.	VVGS PF UPJŠ VVGS-RP- 2016-11-01	prof. RNDr. Martin Bačkor, DrSc.	Ecophysiological study of cold tolerance in algae, lichens and bryophytes in Antarctica	12/2016	03/2017	0.000
23.	VVGS UPJŠ VVGS-2016- 259	MVDr. Katarína Vilhanová	Secondary metabolites of lichens and the effect on hippocampal neurogenesis and depression	07/2016	12/2017	0.500
24.	VVGS UPJŠ VVGS-2016- 268_LF_Fecko vá	MUDr. Stanislav Matéffy	Chronic use of vitamin A and its effect on the central nervous system	07/2016	12/2017	0.075
25.	VVGS UPJŠ VVGS-2016- 275	prof. RNDr. Jana Sedláková, PhD.	Environmentally safe bacteriophages for trace experiments	09/2016	08/2017	1.000
26.	VVGS UPJŠ VVGS-2016- 291	RNDr. Petra Hradická	The establishment of in vitro model of monocyte/macrophage polarisation and immunomodulatory potential of selected lactobacilli strain	07/2016	12/2017	0.500
27.	MŠ SR -APVV APVV-15-0239	RNDr. Juraj Ševc, PhD.	Investigation of potential and role of the central canal lining in regeneration of the spinal cord	07/2016	06/2020	27.135 (36.510) *
28.	MŠ SR -APVV APVV-15- 0419 Majláth	doc. MVDr. Branislav Peťko, DrSc.	Antitick protection using of modified polypropylen fibres with an acaricidal effect	07/2016	12/2018	15.000
29.	MŠ SR - APVV mb SK-CN- 2015-0026	prof. RNDr. Eva Čellárová, DrSc.	Transcriptome analysis of Hypericum spp. for identification of candidate genes in biosynthesis of bioactive substances	01/2016	12/2017	4.000

30.	VEGA 1/0229/17	prof. RNDr. Jana Sedláková, PhD.	Study of interactions between microorganisms and metals and their exploitation in environmental applications	01/2017	12/2020	11.968
31.	VEGA 1/0476/17	doc. RNDr. Monika Kassayová, CSc.	Immunomodulatory and anticancer effects of probiotic bacteria of the genus <i>Lactobacillus</i> in colorectal tumorigenesis in vitro and in vivo	01/2017	12/2020	13.473
32.	VEGA 1/0820/17	RNDr. Juraj Ševc, PhD.	Application of whole-body vibration in rehabilitation of patients with neurological diseases	01/2017	12/2020	13.366
33.	VEGA 1/0926/17	RNDr. Ján Košuth, PhD.	The role of geranylgeranyl diphosphate synthase (GGPPS) isozymes in isoprenoid pathway flux	01/2017	12/2019	7.419
34.	VEGA 2/0077/17_Uhri n	Mgr. Peter Kaňuch, PhD.	Evolutionary ecology of umbrella and flagship species of vertebrates in Slovakia	01/2017	12/2020	1.665
35.	VVGS PF UPJŠ VVGS-PF- 2017-266	Mgr. Ján Rudy	Subterranean environment of West Carpathian sediments as a biotope	04/2017	06/2018	0.600
36.	VVGS PF UPJŠ VVGS-PF- 2017-270	Mgr. Nikola Šipošová	Comprehensive bioremediation potential analysis of bacteria from the genus <i>Acinetobacte</i>	04/2017	06/2018	1.000
37.	VVGS PF UPJŠ VVGS-PF- 2017-276	RNDr. Patrícia Jakšová	Cold tolerance and morphological variability of the selected oribatid mite species (<i>Acari</i>) dwelling in subterranean habitats in Slovakia	04/2017	06/2018	0.720
38.	VVGS PF UPJŠ VVGS-PF- 2017-282	Mgr. Enikő Horváth	Ecology and conservation biology of critically endangered population of European pond turtle (<i>Emys orbicularis</i>) in Eastern Slovakia	04/2017	06/2018	0.950
39.	VVGS PF UPJŠ VVGS-PF- 2017-283	Mgr. Gréta Nusová	Elucidation of the common pipistrelle migration status by the analysis of stable hydrogen isotope ratios	04/2017	06/2018	1.000

40.	MŠ SR -APVV APVV-16- 0171_Sedlákov á	doc., Ing. Lucia Bírošová, PhD.	Progresive methods for elimination of development and spread of bacterial resistance against clinically relevant antibiotics	07/2017	06/2020	6.588
41.	MŠ SR -APVV APVV-16- 0398_Bačkor	doc., RNDr. Ján Jásik, CSc.	Functional analysis of synaptotagmins in responses of plants to environmental stresses	07/2017	06/2021	6.600
42.	MŠ SR -APVV APVV-16- 0176_LF_Fedo ročko	MVDr. Alojz Bomba, DrSc.	Targeted modulation of gut microbiota and its transplantation in prevention and treatment of inflammatory bowel diseases	07/2017	06/2021	7.377
43.	Iné granty zahraničné ICGEB_CRP/S VK16-01_Italy	Mgr. Martin Panigaj, Ph.D.	Cell-specific naked gene delivery mediated by DNA/RNA aptamers	01/2017	12/2017	15.000
44.	Iné granty zahraničné Upsalla_Zmluv a o spolupráci	RNDr. Peter Luptáčík, PhD.	Realizácia druhej determinácie pôdnej fauny, konkrétne spoločenstiev pôdnych článkonožcov zoskupín Collembola a pôdne roztoče pancierniky, získanej počas projektu sledovania zmien globálnej klímy na výskumnej stanici Latnjajaure	03/2016	10/2017	0.000
						311.019 *
			Institute of Physics			(333.632)
45.	MŠ SR -APVV APVV-0097- 12_SAV_Streč ka	RNDr. Pavol Farkašovský, DrSc.	Collective phenomena in coupled electron and spin systems	10/2013	09/2017	3.973
46.	VEGA 1/0330/15	doc. RNDr. Ján Füzer, PhD.	Electromagnetic properties of soft magnetic composites	01/2015	12/2018	5.384
47.	VEGA 1/0331/15	doc. RNDr. Milan Žukovič, PhD.	Frustrated mixed-spin systems	01/2015	12/2018	10.254
48.	VEGA 1/0409/15	Mgr. Tomáš Samuely, PhD.	Study of superconducting nanostructures and nanolayers	01/2015	12/2018	8.301
49.	VEGA 1/0425/15	doc. RNDr. Katarína Štroffeková, PhD.	Molecular mechanisms of endothelial cells response to oxidative stress triggered by hypoxia (HYPOXENCELL)	01/2015	12/2017	10.036

50.	MŠ SR -APVV APVV-14-0073	prof. Ing. Martin Orendáč, CSc.	Magnetocaloric effect in quantum and nanoscopic systems	07/2015	06/2019	49.976 (64.684)	*
51.	MŠ SR -APVV APVV-14-0078_Orendáč ová	prof. Ing. Marian Koman, DrSc.	New materials assembled of coordination compounds	07/2015	06/2019	2.500	
52.	MŠ SR -APVV APVV-14-0605 _Samuely	Mgr. Pavol Szabó, CSc.	Superconductor - insulator transition	07/2015	06/2019	10.375	
53.	Iné granty domáce V4EaP_Berkut ova	Dr.h.c. prof. RNDr. Alexander Feher, DrSc.	International Visegrad Fund _V4EaP Scholarship 51501516	09/2015	06/2017	0.000	
54.	VEGA 1/0036/16	prof. RNDr. Pavol Sovák, CSc.	The structure and physical properties of amorphous and nanocrystalline metallic alloys	01/2016	12/2019	2.958	
55.	VEGA 1/0043/16	doc. RNDr. Jozef Strečka, PhD.	Magnetoelectric and magnetocaloric effect in exactly solvable lattice-statistical models	01/2016	12/2019	5.030	
56.	VEGA 1/0164/16	prof. RNDr. Rastislav Varga, DrSc.	Rapidly quenched amorphous and Heusler alloys with unique properties. Production and characterization	01/2016	12/2018	8.063	
57.	VEGA 1/0377/16	prof. RNDr. Peter Kollár, DrSc.	Magnetization and relaxation processes in magnetic particles and composites	01/2016	12/2019	7.809	
58.	VEGA 1/0929/16	RNDr. Zuzana Jurašková, PhD.	Non-invasive micro-Raman and SERS analysis of coloring materials in paper-based artifacts of cultural and historical interest: It is not a black as a black. (atRAM@Nt)	01/2016	12/2018	8.569	
59.	VVGS PF UPJŠ VVGS-PF- 2016-72606	RNDr. Katarína Karľová	Rigorous study of magnetocaloric properties of Ising and Heisenberg spin clusters	04/2016	06/2017	0.000	
60.	VVGS PF UPJŠ VVGS-PF- 2016-72608	Mgr. Viktor Kudak	Exoplanets and Brown Dwarfs in the Eclipsing Binaries	04/2016	06/2017	0.000	

61.	VVGS PF UPJŠ VVGS-PF- 2016-72614	RNDr. Jakub Miňo, PhD.	The study of magnetic, structural and mechanical properties of selected Heusler alloys	04/2016	06/2017	0.000
62.	VVGS PF UPJŠ VVGS-PF- 2016-72626	RNDr. Michal Nemergut	Study of properties of selected DARPins against maltose binding protein	04/2016	06/2017	0.000
63.	VVGS PF UPJŠ VVGS-PF- 2016-72631	RNDr. Katarína Kopčová	Oxygenase activity of cytochrome c oxidase	04/2016	06/2017	0.000
64.	VVGS PF UPJŠ VVGS-PF- 2016-72639	Mgr. Georgii Kalagov	Renormalization group study of quantum phase transitions in static and dynamic models with different symmetry	04/2016	06/2017	0.000
65.	VVGS PF UPJŠ VVGS-PF- 2016-72646	RNDr. Ondrej Kapusta	Preparation and design nanocomposite systems consisting of nanoparticles Fe and Ni prepared by impregnation and electrochemical deposition inside porous matrices	04/2016	06/2017	0.000
66.	VVGS PF UPJŠ VVGS-PF- 2016-72640	RNDr. Michal Šefčík	The study of strange particles production in experiment ALICE	04/2016	06/2017	0.000
67.	MŠ SR -APVV APVV-15-0115	prof. RNDr. Peter Kollár, DrSc.	Design of the structure and the functional properties of soft magnetic 3-d transitions metals based composites	07/2016	12/2019	37.895 (78.091) *
68.	MŠ SR -APVV APVV-15- 0259_Fuzer	RNDr. František Kováč, CSc.	Unconventional technology development of final processing of isotropic electrical steels	07/2016	06/2019	19.575
69.	MŠ SR -APVV APVV-15- 0458_Parimuc ha	RNDr. Augustín Skopal, DrSc.	Interacting binaries - Key for the Understanding of the Universe	07/2016	06/2020	18.000

70.	MŠ SR -APVV APVV-15-0485	prof. RNDr. Pavol Miškovský, DrSc.	Towards highly selective cancer treatment: Endogenous lipoprotein-DARPin complexes as a new generation of targeted drug delivery vehicles	07/2016	06/2020	31.446 (63.239)	*
71.	CERN ALICE CERN 0213/2016	doc. RNDr. Marek Bombara, PhD.	ALICE Experiment at LHC at CERN: Study of Highly Interacting Mass in Extreme Conditions	01/2016	12/2020	19.000	
72.	Iné granty domáce V4EaP_Mashi ko	Dr.h.c. prof. RNDr. Alexander Feher, DrSc.	International Visegrad Fund _V4EaP Scholarship 51602005	09/2016	06/2017	3.000	
73.	VEGA 1/0269/17	doc. RNDr. Alžbeta Orendáčová, DrSc.	Influence of magnetic field and spin anisotropy on the ground state and critical behaviour of two-dimensional quantum magnets	01/2017	12/2020	8.549	
74.	VEGA 1/0345/17	prof. RNDr. Michal Hnatič, DrSc.	The study of scaling laws and turbulent anomalies in stochastic and critical dynamics by the renormalization group methods	01/2017	12/2020	10.243	
75.	VVGS PF UPJŠ VVGS-PF- 2017-230	RNDr. Samuel Dobák	Broadband electric and magnetic behavior of soft magnetic composites	04/2017	06/2018	1.000	
76.	VVGS PF UPJŠ VVGS-PF- 2017-252	Mgr. Lívia Lederová	Experimental and theoretical study of the spatial anisotropy of exchange interaction anisotropy in two-dimensional quantum antiferromagnet Cu(tn)Cl ₂	04/2017	06/2018	0.900	
77.	VVGS PF UPJŠ VVGS-PF- 2017-253	Mgr. Michal Čokina	Stellar surface discretization in the modeling of binary star systems	04/2017	06/2018	0.400	
78.	VVGS PF UPJŠ VVGS-PF- 2017-264	RNDr. Eva Dušeková	Increase in activity of poliovirus (PV) 3C protease by changing the properties of solution	04/2017	06/2018	1.000	
79.	VVGS PF UPJŠ VVGS-PF- 2017-272	RNDr. Lenka Koptašiková	Mitochondrial metabolism and morphogenesis changes in Parkinson's disease cells	04/2017	06/2018	0.900	

80.	VVGS PF UPJŠ VVGS-PF- 2017-273	RNDr. Katarína Ráczová	Slow Magnetic Relaxation in Co(II)-based magnetic systems	04/2017	06/2018	0.900
81.	VVGS PF UPJŠ VVGS-PF- 2017-278	RNDr. Martina Petrenčáková	Study of conformational properties of dark and lit forms of LOV domain	04/2017	06/2018	0.400
82.	VVGS PF UPJŠ VVGS-PF- 2017-287	Mgr. Šarlota Birnšteinová	Effect of fluctuating fields on the scaling regimes in percolation process	04/2017	06/2018	0.400
83.	VVGS PF UPJŠ VVGS-PF- 2017-286	RNDr. Lenka Lenkavská	Monitoring of intracellular communication between mitochondria and lysosomes in individual cell lines after hypericin photo- activation	04/2017	06/2018	0.300
84.	VVGS UPJŠ VVGS-2016- 320	RNDr. Kornel Richter, PhD.	Development of laser-based loop-tracer for study of samples with cylindrical symmetry	03/2017	02/2018	3.000
85.	MŠ SR -APVV APVV-16- 0068_T.Samuel y	RNDr. Vladimír Cambel, DrSc.	Skyrmions in ferromagnetic nanoobjects	07/2017	12/2020	9.000
86.	MŠ SR -APVV APVV-16-0079	prof. RNDr. Rastislav Varga, DrSc.	Modern amorphous and polycrystalline functional materials for sensors and actuators	07/2017	06/2021	11.455 (31.071) *
87.	MŠ SR -APVV APVV-16-0186	doc. RNDr. Jozef Strečka, PhD.	Exotic quantum states of low-dimensional spin and electron systems	07/2017	06/2021	5.880 (13.771) *
88.	Iné granty zahraničné COST akcia CA16117	doc. RNDr. Rudolf Gális, PhD.	Chemical Elements as Tracers of the Evolution of the Cosmos	04/2017	04/2021	0.000
89.	Iné granty zahraničné COST akcia CA15126	doc. Mgr. Daniel Jancura, PhD.	Between Atom and Cell: Integrating Molecular Biophysics Approaches for Biology and Healthcare (MOBIEU)	04/2017	04/2020	0.000

90.	Iné granty domáce V4_21630257	doc. RNDr. Jozef Uličný, CSc.	Development of time-resolved X-ray spectroscopy methodologies at Extreme Light Infrastructure (ELI)	01/2017	12/2017	0.000
						316.471 (430.675) *
			<u>Institute of Geography</u>			
91.	MŠ SR -APVV APVV-0176-12	prof. Mgr. Jaroslav Hofierka, PhD.	Research of new methods for spatial modeling using laser scanning and 3D-GIS	10/2013	09/2017	17.019
92.	VEGA 1/0474/16	prof. Mgr. Jaroslav Hofierka, PhD.	Simulation and dynamic visualization of geospatial processes	01/2016	12/2018	6.689
93.	MŠ SR -APVV APVV-15-0054_Gallay	prof. RNDr. Jozef Minár, CSc.	Physically based land surface segmentation and its applications in geosciences	07/2016	06/2020	18.420
94.	MŠ SR -APVV APVV-15-0306_Csachova	PhDr. Daniel Klimovský, PhD.	Collaboration activities of the local self-governments and measuring their effectiveness and efficiency	07/2016	06/2019	1.996
95.	MŠ SR -APVV mb SK-CN-2015-0030	RNDr. Alena Gessert, PhD.	Comparative study on the karst carbon cycle and carbon sink coupling with the ecological rehabilitation under China subtropic and Slovakia temperate zones	01/2016	12/2017	4.000
96.	KEGA 007UPJŠ-4/2017	prof. Ing. Vladimír Sedlák, PhD.	Global Navigation Satellite Systems - the new university textbook on current issues in the satellite localization and navigation focusing on multivariate collection and processing geospatial data for creation of virtual 3D models in geoinformatics	01/2017	12/2019	3.568
97.	VEGA 1/0395/17	Mgr. Ladislav Novotný, PhD.	Centripetal and centrifugal processes in transformation of regional system in Slovakia	01/2017	12/2019	6.480
98.	VEGA 1/0963/17	doc. Mgr. Michal Gallay, PhD.	Landscape dynamics in high resolution	01/2017	12/2019	11.993
99.	VVGS PF UPJŠ VVGS-PF-2017-537_rozvoj	RNDr. Alena Gessert, PhD.	The Jasov Plateau in the Slovak karst as an experimental area for the denudation dynamic research	07/2017	09/2017	0.800

100.	Iné granty zahraničné Interreg SK-HU/1601/4.1/05 2	prof. Ing. Vladimír Sedlák, PhD.	Development of webGIS platform based on big-geodata for the Tokaj Wine Region foster cross-border collaboration	09/2017	04/2019	0.000
101.	Iné granty zahraničné COST akcia CA15115	prof. Ing. Vladimír Sedlák, PhD.	Mining the European Anthroposphere (MINEA)	08/2017	03/2020	0.000
102.	Iné granty zahraničné H2020-MSCA-ITN-2016	doc. PaedDr. Martin Pekár PhD.- FF (za PF - prof. Mgr. Jaroslav Hofierka, PhD.)	History of European Urbanism in the 20th Century	10/2017	09/2021	1.986,05
103.	Iné granty zahraničné ESA PECS SURGE_výskumná úloha na základe zmluvy	prof. Mgr. Jaroslav Hofierka, PhD.	Simulating the cooling effect of urban greenery based on solar radiation modelling and a new generation of ESA sensors (SURGE)	06/2016	05/2018	0.000
						72.951,05
			<u>Institute of Chemistry</u>			
104.	VEGA 1/0598/14	doc. RNDr. Ivan Potočník, PhD.	Low dimensional compounds containing derivatives of quinolin-8-ol exhibiting antiproliferative effects	01/2014	12/2017	3.637
105.	KEGA 002UPJŠ-4/2015	doc. RNDr. Zuzana Vargová, Ph.D.	Innovation of content, form and methodology of laboratory practices in the study programs of Inorganic, Organic, Analytical chemistry and Biochemistry for increase of graduate success at the job market	01/2015	12/2017	4.306
106.	VEGA 1/0010/15	prof. Mgr. Vasil' Andruch, DrSc.	Development of novel miniaturized and automated analytical methods	01/2015	12/2018	11.255
107.	VEGA 1/0168/15	doc. RNDr. Miroslava Martinková, PhD.	The stereoconvergent total synthesis of broussonetines using heterosigmatropic rearrangements as the key reaction	01/2015	12/2017	10.572

108.	MŠ SR -APVV APVV-14- 0073 Kuchár	prof. Ing. Martin Orendáč, CSc.	Magnetocaloric effect in quantum and nanoscopic systems	07/2015	06/2019	2.208
109.	MŠ SR -APVV APVV-14- 0078 Černák	prof. Ing. Marian Koman, DrSc.	New materials assembled of coordination compounds	07/2015	06/2019	7.500
110.	MŠ SR -APVV APVV-14-0883	prof. RNDr. Jozef Gonda, DrSc.	Stereoselective synthesis and in vitro structural modulation of the biological activity of functionalized sphingosines	07/2015	12/2018	44.187
111.	VEGA 1/0131/16	doc. RNDr. Viktor Viglaský, PhD.	G-quadruplexes drainage from viral: the use of their properties in biomedical research	01/2016	12/2019	8.891
112.	VEGA 1/0253/16	prof. Dr. Yaroslav Bazel', DrSc.	Research of the analytical techniques suitable for dynamic online control	01/2016	12/2019	7.557
113.	VVGS PF UPJŠ VVGS-PF- 2016-72642	RNDr. Katarína Garajová	Study of structural and catalytic properties of flavin oxidases	04/2016	06/2017	0.000
114.	VVGS PF UPJŠ VVGS-PF- 2016-72603	RNDr. Patrik Nunhart	3,6,9-Trisubstituted acridine derivatives as potencial anticancer drugs and their topoisomerase inhibition activity	04/2016	06/2017	0.000
115.	VVGS PF UPJŠ VVGS-PF- 2016-72609	Mgr. Eva Beňová	Mesoporous silica nanoparticles modified by pH-sensitive molecules for controlled release of cytostatic drug 5- fluorouracil	04/2016	06/2017	0.000
116.	VVGS PF UPJŠ VVGS-PF- 2016-72618	RNDr. Monika Kvaková	Utilization of liquid crystals and molecules with biological importance in synthesis of nano and microparticles	04/2016	06/2017	0.000
117.	VVGS PF UPJŠ VVGS-PF- 2016-72623	Mgr. Anna Vráblová	Coordination compounds based on selected transition metals and lanthanides as molecular magnets	04/2016	06/2017	0.000
118.	VVGS PF UPJŠ VVGS-PF- 2016-72630	RNDr. Martina Brudňáková	Isolation and analysis of exopolysaccharides like perspective food bio aditives with a synergic effect	04/2016	06/2017	0.000

119.	VVGS PF UPJŠ VVGS-PF- 2016-72634	RNDr. Miroslava Čonková	Stereoselective synthesis of 1-deoxysphingoid bases	04/2016	06/2017	0.000
120.	VVGS PF UPJŠ VVGS-PF- 2016-72637	RNDr. Ondrej Petruš	Functional nanocavities films in biodiagnosis	04/2016	06/2017	0.000
121.	VVGS PF UPJŠ VVGS-PF- 2016-72645	Lucia Markušová- Bučková	Degradable cellular materials for bone implants	04/2016	06/2017	0.000
122.	VVGS UPJŠ VVGS-2016- 248	RNDr. Mariana Budovská, PhD.	Syntheses of 5-fluoro-derivatives and 2- α' - aminoanalogs of indole phytoalexins as new antitumor active substances	07/2016	12/2017	0.500
123.	VVGS UPJŠ VVGS-2016- 249	Mgr. Miroslav Almáši, PhD.	Sorption properties and catalytic activity of novel Metal-Organic Frameworks	07/2016	12/2017	0.500
124.	VVGS UPJŠ VVGS-2016- 265	Mgr. Veronika Farkasová	Novel coordination compounds based on transition metals and lanthanoids with unique biological and magnetic properties	07/2016	12/2017	0.500
125.	VVGS UPJŠ VVGS-2016- 277	RNDr. Eva Konkoľová	Selected ferrocenyl chalcones as potencial dual inhibitors of topoisomerases I and II	07/2016	12/2017	0.367
126.	VVGS UPJŠ VVGS-2016- 279	RNDr. Martin Fábian	Stereoselective synthesis of biologically active compound with using of [3,3]-sigmatropic rearrangement and testing their biological activities	07/2016	12/2017	0.333
127.	MŠ SR -APVV APVV-15-0520	doc. RNDr. Vladimír Zeleňák, PhD.	Intelligent nanoporous systems as carriers of drugs	07/2016	06/2020	31.032 (40.512) *
128.	MŠ SR -APVV mb SK-BG- 2013-0003	RNDr. Jana Šandrejová, PhD.	Application of ion associates in microextraction techniques: development of the methods for determination of selected analytes	05/2016	12/2017	2.600
129.	Iné granty zahraničné NATO_SPS985 148	doc. RNDr. Andrea Straková Fedorková, PhD.	Development of New Cathodes for Stable and Safer Lithium-Sulfur Batteries (DeCaSub)	11/2016	11/2019	44.200

130.	Iné granty domáce V4aP_Pochivalov	RNDr. Jana Šandrejová, PhD.	International Visegrad Fund _V4EaP Scholarship 51600237	09/2016	02/2017	0.000	
131.	VEGA 1/0063/17	prof. RNDr. Juraj Černák, DrSc.	Novel magnetoactive coordination compounds based on 3d- and 4f-elements	01/2017	12/2020	7.551	
132.	VEGA 1/0265/17	doc. RNDr. Mária Ganajová, CSc.	Formative assesment in the teaching of natural sciences, mathematics and informatics	01/2017	12/2020	10.155	
133.	VEGA 1/0745/17	doc. RNDr. Vladimír Zeleňák, PhD.	Metal-organic frameworks for energy applications	01/2017	12/2020	9.579	
134.	VEGA 1/0074/17	prof. RNDr. Renáta Oriňáková, DrSc.	Nanomaterials and nanostructured layers with specific functionality	01/2017	12/2020	8.667	
135.	VVGS PF UPJŠ VVGS-PF-2017-251	RNDr. Erika Demkovičová	The application of nanoparticle bioconjugates in diagnosis of various diseases	04/2017	06/2018	0.380	
136.	VVGS PF UPJŠ VVGS-PF-2017-262	Mgr. Oleksandr Kozlov	Enantioseparation of selected biologically active compounds and the study of the mechanism of chiral recognition using molecular modeling method	04/2017	06/2018	0.500	
137.	VVGS PF UPJŠ VVGS-PF-2017-267	Mgr. Erika Samoľová	Coordination compounds of 3d and 4d metals with antitumor activity and molecular magnetism	04/2017	06/2018	0.900	
138.	VVGS PF UPJŠ VVGS-PF-2017-275	RNDr. Milica Fabišíková	Stereoselective synthesis of sphingoid bases with molecular switches	04/2017	06/2018	1.000	
139.	VVGS PF UPJŠ VVGS-PF-2017-288	Mgr. Mária Suváková	Study of mechanism of increasing solubility of in water poorly soluble drugs	04/2017	06/2018	0.750	
140.	MŠ SR -APVV APVV-16-0029	prof. RNDr. Renáta Oriňáková, DrSc.	Sintered biodegradable metallic materials	07/2017	12/2020	19.385 (35.165)	*

141.	Iné granty domáce V4aP_Bukryno v	doc. RNDr. Ivan Potočník, PhD.	International Visegrad Fund _V4EaP Scholarship 51700995	09/2017	07/2018	3.000
142.	TEHO	prof. RNDr. Jozef Gonda, DrSc.	Synthesis of the new types of antioxidants – number 17/2/2/2	05/2017	12/2017	12.992
						255.004 *
			<u>Institute of Computer Science</u>			
143.	MŠ SR -APVV APVV-0452-12	doc. Ing. Norbert Kopčo, PhD.	Spatial Attention and Listening in Complex Environments	10/2013	09/2017	7.464
144.	VEGA 1/0073/15	doc. RNDr. Stanislav Krajči, PhD.	Scalable computing methods of structured and unstructured data analysis with uncertainty	01/2015	12/2017	8.361
145.	VEGA 1/0142/15	prof. RNDr. Viliam Geffert, DrSc.	Combinatorial Structures and Complexity of Algorithms	01/2015	12/2017	14.920
146.	MŠ SR -APVV APVV-14-0598_Sokol	doc. JUDr. Milena Barinková, CSc.	Electronisation of business with emphasis on the legal and technical aspects	07/2015	06/2019	0.000
147.	VEGA 1/1011/16	doc. Ing. Norbert Kopčo, PhD.	Dynamic processes in spatial hearing: Experiments, modeling, and analytical tools	01/2016	12/2018	3.907
148.	VVGS PF UPJŠ VVGS-PF-2016-72638	RNDr. Miroslav Opiela	Indoor model environment acquisition and following localization using smartphone sensors	04/2016	06/2017	0.000
149.	MŠ SR -APVV APVV-15-0091	prof. RNDr. Viliam Geffert, DrSc.	Efficient algorithms, automata and data structures	07/2016	06/2020	35.061 *
150.	Iné granty zahraničné COST BM1306 Tinnet	doc. Ing. Norbert Kopčo, PhD.	Better Understanding the Heterogeneity of Tinnitus to Improve and Develop New Treatments (TINNET)	05/2016	04/2018	0.000
151.	Iné granty zahraničné H2020-MSCA-RISE-2015_ALT	doc. Ing. Norbert Kopčo, PhD.	Adaptation, learning and training for spatial hearing in complex environments	01/2016	12/2019	0.000

152.	MŠ SR -APVV DS-2016-0026	doc. Ing. Norbert Kopčo, PhD.	Plasticity of spatial processing in normal and cochlearimplant hearing	01/2017	12/2018	4.950
						74.663 *
			Institute of Mathematics			(89.070)
153.	VEGA 1/0063/14	prof. RNDr. Danica Studenovská, CSc.	Algebraic structures with order	01/2014	12/2017	5.302
154.	VEGA 1/0344/14	prof. RNDr. Katarína Cechlárová, DrSc.	Mathematical and statistical methods in economic decision making	01/2014	12/2017	4.609
155.	VEGA 1/0097/16	prof. RNDr. Lev Bukovský, DrSc.	Set-theoretical methods in topology and real functions theory	01/2016	12/2019	1.910
156.	VEGA 1/0368/16	prof. RNDr. Mirko Hornák, CSc.	Graph colouring problems	01/2016	12/2019	15.806
157.	VVGS PF UPJŠ VVGS-PF- 2016-72604	RNDr. Juraj Valiska	Chromatic-structural properties of plane graphs	04/2016	06/2017	0.000
158.	VVGS PF UPJŠ VVGS-PF- 2016-72616	RNDr. Andrej Gajdoš	Properties and applications of statistical predictors and estimators in linear models using computer simulations.	04/2016	06/2017	0.000
159.	VVGS UPJŠ VVGS-2016- 255	RNDr. Lenka Halčinová, PhD.	The integration with respect to super level measures and their applications	07/2016	12/2017	0.480
160.	MŠ SR -APVV APVV-15-0116	doc. RNDr. Roman Soták, PhD.	Structural and chromatic graph characteristic	07/2016	06/2020	44.153 *
161.	MŠ SR -APVV mb SK-AT- 2015-0019	Mgr. Jozef Kiselák, PhD.	Topologization of Dependence and Aggregation Structures with Applications	01/2016	12/2017	2.000
162.	Iné granty zahraničné COST akcia CA15210	prof. RNDr. Katarína Cechlárová, DrSc.	European Network for Collaboration on Kidney Exchange Programmes	09/2016	09/2020	0.000

163.	VVGS PF UPJŠ VVGS-PF- 2017-255	Mgr. Anton Hovana	Nonadditive integrals and super level measure	04/2017	06/2018	1.000
164.	MŠ SR -APVV APVV-16-0337	doc. RNDr. Ondrej Hutník, PhD.	Integration in the context of generalized measures	07/2017	06/2021	13.372
165.	MŠ SR -APVV DS-2016-0028	doc. RNDr. Ondrej Hutník, PhD.	Time-frequency methods for operators and function spaces	01/2017	12/2018	2.080
166.	DAAD	doc. RNDr. Roman Soták, PhD.	Problems of structural graph theory	01/2017	12/2018	2.828
						93.540 *
			<u>Centre of Interdisciplinary Biosciences</u>			(103.655)
167.	VEGA 1/0423/16	doc. RNDr. Erik Sedlák, PhD.	Conversion of integral membrane receptor into water soluble form	01/2016	12/2018	13.788
168.	MŠ SR -APVV APVV-15-0069	doc. RNDr. Erik Sedlák, PhD.	Conversion of integral membrane protein into water soluble form: the case of GPCR	07/2016	06/2020	41.665
169.	VEGA 1/0853/17	doc. RNDr. Martin Kundrát, Ph.D.	Evolution of flightlessness and gigantism in birds on islands: The model of subrecent ornithofauna from New Zealand and Madagascar	01/2017	12/2020	8.951
170.	VEGA 2/0009/17	doc. RNDr. Erik Sedlák, PhD.	Oxidative stress and phospholipid-protein interactions: functional and structural consequences	01/2017	12/2020	4.833
						69.237
SPOLU						1.193.445,05 *
						(1.380.044,05)

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