

Ústav zoológie SAV



**Správa o činnosti organizácie SAV
za rok 2017**

Bratislava
január 2018

Obsah osnovy Správy o činnosti organizácie SAV za rok 2017

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1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Ústav zoológie SAV

Riaditeľ: RNDr. Dušan Žitňan, DrSc.

Zástupca riaditeľa: Ing. Ladislav Roller, PhD.

Vedecký tajomník: doc. RNDr. Ľubomír Vidlička, CSc.

Predseda vedeckej rady: Ing. Ladislav Roller, PhD.

Člen snemu SAV: RNDr. Dušan Žitňan, DrSc.

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Názvy a adresy detašovaných pracovísk: nie sú

Vedúci detašovaných pracovísk: nie sú

Typ organizácie: Príspevková od roku 1992

1.2. Údaje o zamestnancoch

Tabuľka 1a Počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T
		M	Ž	M	Ž			
Celkový počet zamestnancov	47	27	20	8	5	46	37,58	19,47
Vedeckí pracovníci	32	21	11	4	3	31	23,7	19,37
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci ¹)	4	3	1	3	1	4	1,91	0,1
Odborní pracovníci VŠ (ostatní zamestnanci ²)	3	1	2	1	0	3	4,18	0
Odborní pracovníci ÚS	6	1	5	0	1	6	5,29	0
Ostatní pracovníci	2	1	1	0	0	2	2,5	0

¹ odmeňovaní podľa 553/2003 Z.z., príloha č. 5

² odmeňovaní podľa 553/2003 Z.z., príloha č. 3 a č. 4

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2017 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí, v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)

F – fyzický stav zamestnancov k 31.12.2017 (bez riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)

P – celoročný priemerný prepočítaný počet zamestnancov

T – celoročný priemerný prepočítaný počet riešiteľov projektov

M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2017)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	II.a.	II.b.
Muži	3	18	1	3	4	11	6
Ženy	0	11	0	0	0	6	5

Tabuľka 1c Štruktúra pracovníkov podľa veku a rodu, ktorí sú riešiteľmi projektov

Veková štruktúra (roky)	< 31	31-35	36-40	41-45	46-50	51-55	56-60	61-65	> 65
Muži	2	2	0	2	1	2	2	2	2
Ženy	0	1	2	2	0	0	2	0	0

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2017

	Kmeňoví zamestnanci		Vedeckí pracovníci		Riešitelia projektov	
	A	B	A	B	A	B
Muži	46,9	45,6	50,6	48,8	48,9	50,2
Ženy	42,8	43,7	40,7	40,7	44,3	44,3
Spolu	45,1	44,7	47,2	45,5	47,4	48,2

A - Prepočet bez zohľadnenia úväzkov zamestnancov

B - Prepočet so zohľadnením úväzkov zamestnancov

1.3. Iné dôležité informácie k základným údajom o organizácii a zmeny za posledné obdobie (v zameraní, v organizačnej štruktúre a pod.)

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Domáce projekty riešené v roku 2017

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty VEGA	7	3	-	-	38436	38436	-	7034
2. Projekty APVV	3	5	-	-	226466	99844	-	64638
3. Projekty OP ŠF	0	0	-	-	-	-	-	-
4. Projekty SASPRO	0	0	-	-	-	-	-	-
5. Projekty centier excelentnosti SAV	0	0	-	-	-	-	-	-
6. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	0	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Domáce projekty podané v roku 2017

Štruktúra projektov	Miesto podania	Organizácia nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2017	-	-	1
2. Projekty výziev OP ŠF podané r. 2017	Bratislava	-	-
	Regióny	-	-

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2017

Tabuľka 2c Medzinárodné projekty riešené v roku 2017

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty 7. RP EÚ a Horizont 2020	0	0	-	-	-	-	-	-
2. Projekty ERA.NET, ESA, JRP	0	0	-	-	-	-	-	-
3. Projekty COST	0	0	-	-	-	-	-	-
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVF, ERDF a iné	0	2	-	-	-	-	-	-
5. Projekty v rámci medzivládnych dohôd	0	0	-	-	-	-	-	-
6. Bilaterálne projekty MAD	0	0	-	-	-	-	-	-
7. Bilaterálne projekty ostatné	0	0	-	-	-	-	-	-
8. Podpora MVTS z národných zdrojov (SAV, APVV a iné)	0	2	-	-	-	-	-	7875
9. Iné projekty	0	2	-	-	-	-	-	7000

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty Horizont 2020 podané v roku 2017

Tabuľka 2d Počet projektov Horizont 2020 v roku 2017

	A	B
Počet podaných projektov Horizont 2020		

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe B.

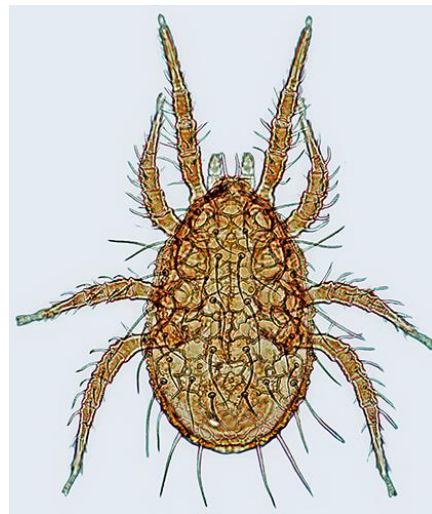
2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

Prostriedky získané zo štrukturálnych fondov v minulých rokoch prispeli k vybudovaniu nových laboratórií a rozšíreniu prístrojového parku ústavu. Ústav sa bude aj v budúcnosti usilovať o získanie projektov zo štrukturálnych fondov, ak budú vyhlásené nové výzvy.

2.3. Najvýznamnejšie výsledky vedeckej práce

2.3.1. Základný výskum

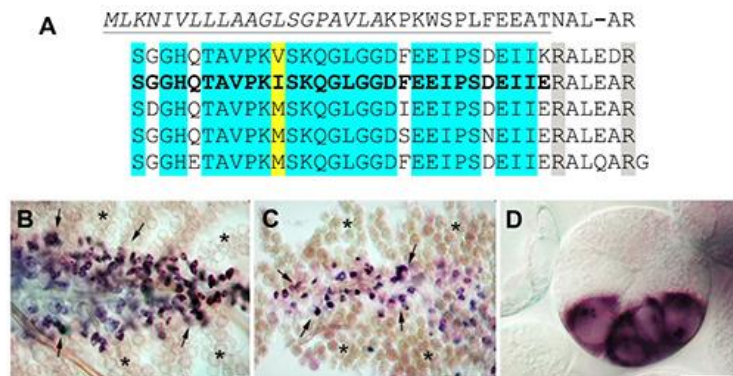
A) Roztoče z čeľade Ameroseiidae patria k malého počtu mykofágnych špecialistov rozšírených vo všetkých klimatických oblastiach sveta a sú hojne zastúpené v rôznych organických substrátoch rozkladajúcich sa za pomoci húb. Najčastejšie sa vyskytujú na plodniciach drevokazných húb, v hnilobou napadnutom dreve, na porastoch ambróziových húb v žerových chodbičkách xylofágneho hmyzu, v skladovaných potravinách a stavebných materiáloch napadnutých plesňami (často v ľudských príbytkoch) a v pôdnom humuse. Malá časť druhov žije v hniezdach sociálneho hmyzu vrátane včelích úľov, kde sa živí peľom a nektárom. Na základe zberov zo Slovenska a zbierok viacerých inštitúcií v Európe, Amerike, Ázii a Austrálii, bola vypracovaná monografická štúdia (a ďalšie doplnujúce práce), ktorá analyzuje študované roztoče z hľadiska morfológie, taxonómie, chorológie a ekológie. Obsahuje deskripcie doteraz neznámych druhov, ale aj vyšších taxónov, diagnózy platných rodov, revízie sporných taxónov a nové determinačné kľúče pre identifikáciu rodov a v Európe zastúpených druhov. Súčasťou monografie je katalóg obsahujúci 206 pomenovaných druhov sveta, s detailnými údajmi o autorstve, typovom materiáli, systematike, synonymách a dôležitých nomenklatorických a bibliografických odkazoch. Bol vypracovaný nový koncept vnútornej systematickej klasifikácie čeľade a nové diagnostické vymedzenie jednotlivých rodov, a to za pomoci revízie už skôr využívaných znakov, ale aj objavu nových diferenciálnych znakov na nohách, gnatozóme a idiozóme. Striktné morfologické ohraničenie taxónov vyústilo k rozdeleniu najväčšieho a zjavne polyfyletického rodu *Ameroseius*, opätovnému oživeniu skôr synonymizovaných taxónov (*Ameroseiella*, *Kleemannia*, *Primoseius*, *Asperolaelaps* a *Sinoseius*), opisu nového rodu (*Pseudoameroseius*) a vytvorení niekoľkých nových druhových komplexov známych ako „species groups“. Okrem toho, katalóg uvádza 23 druhov s novým rodovým statusom a 27 druhov ako nové mladšie synonymá.



1. MAŠÁN, Peter. A revision of the family Ameroseiidae (Acari, Mesostigmata), with some data on Slovak fauna. In Zookeys : Monograph, 2017, vol. 704, p. 1-228. (1.031 - IF2016). (2017 - Current Contents). ISSN 1313-2989.
2. MAŠÁN, Peter. Four new species of the subgenus Pachylaelaps (Longipachylaelaps) from Italy, with a new identification key to the known species (Acari: Pachylaelapidae). In ZOOTAXA, 2017, vol. 4236, no. 1, p. 95-117. (0.972 - IF2016). (2017 - Current Contents). ISSN 1175-5334.
3. MAŠÁN, Peter. Two new species of the genus Pseudolaelaps Berlese, 1916 (Acari: Mesostigmata: Pseudolaelapidae) from Europe, with an updated key to known species. In Journal of Natural History, 2017, vol. 51, iss. 21-22, p. 1183-1195. (0.834 - IF2016). (2017 - Current Contents). ISSN 0022-2933.

B) Sliny kliešťov (Ixodidae) obsahujú účinné antihemostatické látky, ktoré im umožňujú prijímať krv hostiteľa počas niekoľko dňového cicania. V slinných žľazách tropického kliešťa *Amblyomma variegatum* sme pôvodne identifikovali inhibitory trombínu, ktoré patria do novej skupiny tzv. „variegatin-like“ peptidov. Pomocou in situ hybridizácie sme ukázali, že gén kódujúci tieto peptidy je exprimovaný počas cicania v špecifických acinoch slinných žliaz kliešťa *A. variegatum*. Jeden z piatich veľmi podobných peptidov, ktorý tento gén kóduje, sme nazvali avathrin. Tento peptid vykazuje mimoriadne silnú a špecifickú väzbu k trombínu. Determinovali sme kryštalickú štruktúru avathrinu vo väzbe s trombínom a identifikovali ich väzobné domény. Na modeli izolovanej myšej

karotickej artérie vykazoval avathrin silnejšie antitrombínové účinky než v medicínskej praxi používaný hirulog-1 (bivalirudin). Avathrin ako aj ostatné peptidy podobné varieginu poskytujú široký základ pre vývoj účinnejších liečiv pre liečbu porúch hemostázy.



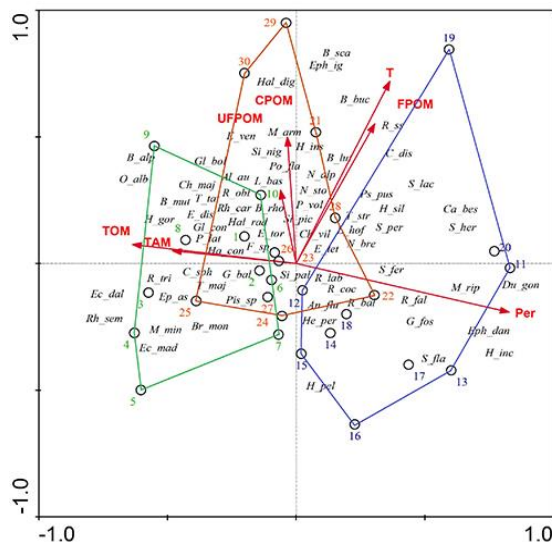
Sekvencia prekurzoru pre avathrín (A) a expresia génu pre avathrín v slinných žľazách cicajúceho kliešťa *Amblyomma variegatum* (B-D). Avathrín je zvýraznený v sekvencii tučným písmom a bunky produkujúce avathrín v acínoch typu II sú zafarbené a označené šípkami. Prevzaté z Iyer a kol. (2017).

1. IYER, Janaki Krishnamoorthy - KOH, C.Y. - KAZIMÍROVÁ, Mária - ROLLER, Ladislav - JOBICHEN, Chacko - SWAMINATHAN, Kunchithapadam - MIZUGUCHI, Jun - IWANAGA, Sadaaki - NUTTALL, Patricia A. - CHAN, Mark Y. - KINI, R.M. Avathrin: a novel thrombin inhibitor derived from a multi-copy precursor in the salivary glands of the ixodid tick, *Amblyomma variegatum*. In *Faseb Journal* : official publication of the Federation of American Societies for Experimental Biology, 2017, vol. 31, no. 7, p. 2981-2995. (5.498 - IF2016). (2017 - Current Contents). ISSN 0892-6638.

2.3.2. Aplikačný typ

Moderný trend posudzovania kvality vôd je založený na využívaní autekologických charakteristík vodných organizmov. Keď EÚ v roku 2000 prijala „Rámcovú smernicu o vode“, benthické bezstavovce boli ustanovené ako jeden z 5 biologických prvkov kvality dôležitých pre posudzovanie ekologického stavu vodných biotopov. Ako najlepšie riešenie sa ukázalo implementovať Faunu Aquaticu Austriacu (1995), ktorá uvádzala autekologické charakteristiky vodných bezstavovcov, významnej zložky vodnej fauny, platné najmä pre strednú Európu, resp. pre krajiny, kde sa tieto živočíchy vyskytujú. Ďalšie vydania FAA II. (2002) a FAA III. (2017) rozširujú databázu autekologických charakteristík o viaceré nové, ale aj spresňujú tie pôvodné. Autekologické charakteristiky navyše dokážu reflektovať rôzne procesy vo vodných ekosystémoch, či antropické narušenia čím významne napomáhajú vodohospodárskej praxi (Aesch et al. 2017).

Druhové bohatstvo vodných bezstavovcov je možné využívať aj pri posudzovaní vodných stavieb vo vzťahu k ich ovplyvňovaniu environmentálnych premenných vodného prostredia. Príkladom je vyhodnotenie vplyvu ojedinelého typu vodnej elektrárne, a to prečerpávajúcej vodnej elektrárne (Kokavec et al. 2017 a Kokavec & Beracko 2017). Ako sa preukázalo, vyššia teplota vypúšťanej vody má limitujúci význam v prostredí podhorských tokov na distribúciu druhov, životné cykly a produkciu dôležitých indikátorov kvality vôd, podeniak a potočníkov. Ako sme zistili, vplyv prečerpávajúcej vodnej elektrárne na vodný biotop pod



Vplyv prečerpávacej vodnej elektrárne Čierny Váh na riečne kontinuum s vyznačením lokalít a gradientov environmentálnych parametrov.

nádržou je skôr podobný vplyvu malých vodných elektrární. Zároveň poukazujeme na dôležitý aspekt situovania priečných stavieb, a s tým spojený revitalizujúci a regenerujúci vplyv prítokov, ktoré môžu značne zredukovať negatívne efekty vodných nádrží na fyzikálno-chemické parametre a štruktúru bentických bezstavovcov. Tieto nové poznatky majú, okrem iného, význam pri posudzovaní výstavby a prevádzky priečných stavieb na kvalitu a vodnú biotu riečnych biotopov, ako aj napr. pre posúdenie environmentálnych zmien plánovanej výstavby prečerpávacej vodnej elektrárne na rieke Ipel'.

1. AESCHT, Erna - ASPÖCK, Ulrike - BAUERNFEIND, Ernst - & 51 ĎALŠÍCH AUTOROV, v abecednom poriadku... - ŠPORKA, Ferdinand - & 9 ĎALŠÍCH AUTOROV, v abecednom poriadku - ZETTEL, Herbert - ZITTRA, Carina - ZWICK, Peter. Fauna Aquatica Austriaca : A Comprehensive Species Inventory of Austrian Aquatic Organisms with Ecological Notes. Moog Otto, Hartmann Anne (eds.). 3rd ed. 2017. 92 pp. Preložené pod názvom: Wien : Federal Ministry of Agriculture, Forestry, Environment and Water Management, Directorate IV/3. ISBN 978-3-85174-074-5.
2. KOKAVEC, Igor - NAVARA, Tomáš - BERACKO, Pavel - DERKA, Tomáš - HANDANOVIČOVÁ, Ivana - RUFUSOVÁ, Andrea - VRÁBLOVÁ, Zuzana - LÁNCZOS, Tomáš - ILLYOVÁ, Marta - ŠPORKA, Ferdinand. Downstream effect of a pumped-storage hydropower plant on river habitat conditions and benthic life – a case study. In Biologia, 2017, vol. 72, no. 6, p. 652-670. (0.759 - IF2016).
3. KOKAVEC, Igor - BERACKO, Pavel. Longitudinal zonation pattern of non-insect benthic invertebrates over contrasting discontinuities. In Lauterbornia : Internationale Zeitschrift für Faunistik und Floristik des Süßwassers, 2017, vol. 84, p. 89 - 102. ISSN 0935-333X.

2.3.3. Medzinárodné vedecké projekty

A) Kliešte (Acari) sú ektoparazitické článkonožce prenášajúce širokú škálu patogénnych mikroorganizmov. Slinné žľazy kliešťov produkujú zmes bioaktívnych molekúl, ktoré sú nevyhnutné pri cicaní krvi, modulujú obranné mechanizmy hostiteľov a umožňujú prenos patogénov. Počas dlhej koevolúcie kliešťov s ich hostiteľmi si mikroorganizmy vyvinuli rôzne stratégie využitia molekúl v slinách kliešťov pre ich prenos z kliešťa do hostiteľa. Zhrnuli sme doterajšie poznatky o úlohe molekúl v slinných žľazách kliešťov pri modulácii obranných mechanizmov hostiteľov a prenose patogénov (Šimo et al. 2017) a o interakcii kliešťov, arbovírusov a hostiteľov s dôrazom na kožné imunitné reakcie (Kazimírová et al. 2017). Podieľali sme sa na výskume transkriptómu slinných žliaz dospelých kliešťov *Hyalomma excavatum*. Do génovej banky sme vložili viac než 5 tisíc sekvencií a identifikovali nové proteíny, čo umožní identifikáciu antigénov pre prípravu protikliešťových vakcín ako aj kandidátov pre vývoj nových liečiv (Ribeiro et al. 2017). Prioritné sú naše výsledky porovnávacej analýzy expresie imunitných génov v koži hostiteľa (laboratórna myš) a imunohistochemie kože počas včasných fáz cicania neinfikovaných kliešťov *Ixodes ricinus* a kliešťov infikovaných vírusom kliešťovej encefalitídy (TBEV). Už 3 hodiny po prichytení infikovaných kliešťov sme v mononukleárných fagocytoch a fibroblastoch potvrdili prítomnosť antigénu TBEV. Včasná zápalová odpoveď v koži hostiteľa na cicanie kliešťov infikovaných TBEV bola silnejšia než sa očakávalo, čo poukazuje na význam prozápalových chemokínov a cytokínov pri prenose flavivírusov (Thangamani et al. 2017).

1. ŠIMO, L. - KAZIMÍROVÁ, M. - RICHARDSON, J. - BONNET, S.I. The essential role of tick salivary glands and saliva in tick feeding and pathogen transmission. Review. Frontiers in Cellular and Infection Microbiology, 2017, vol. 7, article Number: 281, 23 pp. (4.300 - IF2016).
2. KAZIMÍROVÁ, M. - THANGAMANI, S. - BARTÍKOVÁ, P. - HERMANCE, M. - HOLÍKOVÁ, V. - ŠTIBRÁNIOVÁ, I. - NUTTALL, P.A. Tick-borne viruses and biological processes at the tick-host-virus interface. Review. Frontiers in Cellular and Infection Microbiology, 2017, vol. 7, article: 339. 21 pp. (4.300 - IF2016).

3. RIBEIRO, J.M.C - SLOVÁK, M. - FRANCISCHETTI, I.M.B. An insight into the sialome of *Hyalomma excavatum*. Ticks and Tick-Borne Diseases, 2017, vol. 8, iss. 2, p. 201-207. (3.230 - IF2016).
4. THANGAMANI, S. - HERMANCE, M. - SANTOS, R.I. - SLOVÁK, M. - HEINZE, D. - WIDE, S.G. - KAZIMÍROVÁ, M. Transcriptional immunoprofiling at the tick-virus-host interface during early stages of tick-borne encephalitis virus transmission. Frontiers in Cellular and Infection Microbiology, 2017, vol. 7, article no.: 494, 12 pp. (4.300 - IF2016).

B) V rámci spolupráce s viacerými európskymi inštitúciami sme sledovali výskyt a ekológiu kliešťami prenášaných patogénov vo vzťahu k rezervoárovými hostiteľom a ich šírenie sa do novým ohnisk vertikálne ale aj horizontálne. V horských a podhorských oblastiach Dolomitov (severné Taliansko) sme po prvýkrát zaznamenali prítomnosť dvoch druhov rickettsií (*R. raultii*, *R. monacensis*) a troch druhov babezií (*B. venatorum*, *B. capreoli* a *B. microti*). Poukázali sme tiež na význam rôznych druhov hostiteľov ako sú vtáky, hlodavce a prežúvavce pri cirkulácii patogénov v prírodných ohniskách a na možnosti ich šírenia do nových ohnisk (Baráková et al. 2017). Navyše sme potvrdili kľúčovú úlohu hlodavcov pre cirkuláciu určitých genotypov *A. phagocytophilum* (Rosso et al. 2017). Na Slovensku sme po prvýkrát potvrdili infekciu hlodavcov spirochétou *Borrelia miyamotoi* (Hamšíková et al. 2017). Zaznamenali sme tiež dvojité infekcie kliešťov *I. ricinus* a hlodavcov spirochétami *Borrelia afzelii* a *B. miyamotoi* a poukázali sme na význam hlodavcov v cirkulácii týchto dvoch druhov spirochét a na možnosti dvojitej nákazy ľudí.

1. BARÁKOVÁ, Ivana - DERDÁKOVÁ, Markéta - SELYEMOVÁ, Diana - CHVOSTÁČ, Michal - ŠPITÁLSKA, Eva - ROSSO, Fausta - COLLINI, Margherita - ROSÀ, Roberto - TAGLIAPIETRA, V. - GIRARDI, Mateo - RAMPONI, Claudio - HAUFFE, H.C. - RIZZOLI, Annapaola. Tick-borne pathogens and their reservoir hosts in northern Italy. In Ticks and Tick-Borne Diseases, 2017, 2017 Sep 1. pii: S1877-959X(17)30014-6. doi: 10.1016/j.ttbdis.2017.08.012. (3.230 - IF2016). (2017 - Current Contents). ISSN 1877-959X.
2. ROSSO, Fausta - TAGLIAPIETRA, V. - BARÁKOVÁ, Ivana - DERDÁKOVÁ, Markéta - KONEČNÝ, A. - HAUFFE, H.C. - RIZZOLI, A. Prevalence and genetic variability of *Anaplasma phagocytophilum* in wild rodents from the Italian Alps. In Parasites & vectors, 2017, vol. 10, article no. 293. 8 pp. (3.080 - IF2016). ISSN 1756-3305. T
3. HAMŠÍKOVÁ, Z. - COIPAN, C. - MAHRÍKOVÁ, L. - MINICHOVÁ, L. - SPRONG, H. - KAZIMÍROVÁ, M. *Borrelia miyamotoi* and co-infection with *Borrelia afzelii* in *Ixodes ricinus* ticks and rodents from Slovakia. Microbial Ecology, 2017, vol. 73, no. 4, p. 1000-1008. (3.630 - IF2016)

2.4. Publikačná činnosť (zoznam je uvedený v prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	Počet v r. 2017/ doplňky z r. 2016
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	0 / 0
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	2 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	3 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	1 / 1
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	0 / 0
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	0 / 0
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	31 / 0
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	10 / 0
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	12 / 5
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	3 / 0
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	0 / 0
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	0 / 0
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	6 / 0
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	1 / 0
17. Vydané periodiká evidované v CCC, WoS Core Collection, SCOPUS	1
18. Ostatné vydané periodiká	0
19. Zostavovateľské práce knižného charakteru (FAI)	0 / 1
20. Preklady vedeckých a odborných textov (EAJ)	0 / 0
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	0 / 0
22. Recenzie v časopisoch a zborníkoch (EDI)	0 / 0

Evidujú len tie práce zamestnancov a doktorandov, v ktorých je uvedená afiliácia k organizácii

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu	Q1	Q2	Q3	Q4	Spolu
Podľa IF z r. 2016 (zdroj JCR) <i>Počet článkov / doplnky 2015</i>	18 / 0	4 / 0	9 / 0	8 / 0	39 / 0
Podľa SJR z r. 2016 (zdroj Scimago) <i>Počet článkov / doplnky 2015</i>	21 / 0	6 / 0	13 / 0	0 / 0	40 / 0

Tabuľka 2g Ohlasy

OHLASY	Počet v r. 2016/ doplnky z r. 2015
Citácie vo WOS (1.1, 2.1)	925 / 10
Citácie v SCOPUS (1.2, 2.2)	202 / 17
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	22 / 1
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	100 / 6
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	2 / 0

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	16
Prednášky a vývesky na domácich vedeckých podujatiach	5

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

Kazimírová, M., Bartíková, P., Štibrániová, I. & Nuttall, P.A. Tick salivary compounds and their role in pathogen transmission. SOVE 2017 - 7th International congress, Palma, Spain

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

Ak boli príspevky publikované, sú súčasťou prílohy C, kategória (AFC, AFD, AFE, AFF, AFG, AFH)

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2017

2.7.1. Vynálezy, na ktoré bol udelený patent

2.7.2. Prihlásené vynálezy

2.7.3. Predané licencie

2.7.4. Realizované patenty

Finančný prínos pre organizáciu SAV v roku 2017 a súčet za predošlé roky sa neuvádzajú, ak je zverejnenie v rozpore so zmluvou súvisiacou s realizáciou patentu.

2.8. Účasť expertov na hodnotení národných projektov (APVV, VEGA a iných)

Tabuľka 2i Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Kazimírová Mária	VEGA	1
Roller Ladislav	VEGA	3
Vidlička Ľubomír	APVV	2

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 1

2.10. Recenzovanie publikácií a príspevkov vo vedeckých časopisoch

Tabuľka 2j Počet recenzovaných monografií, článkov, zborníkov

Meno pracovníka	Knížné monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra-ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra-ničné
Darolová Alžbeta	1	0	0	0	0	0	0
Kazimírová Mária	0	0	17	6	0	0	1
Klepsatel Peter	0	0	1	0	0	0	0
Kraljik Jasna	0	0	4	0	0	0	0
Mašán Peter	0	0	4	0	0	0	0
Prokop Pavol	0	0	19	8	0	0	0
Roller Ladislav	0	0	1	1	0	1	0
Semelbauer Marek	0	0	1	0	0	0	0
Stanko Michal	0	0	5	0	0	0	0
Šustek Zbyšek	2	0	6	0	3	0	0
Václav Radovan	0	0	5	1	0	0	0
Vidlička Ľubomír	0	0	3	0	3	0	0
Žitňan Dušan	0	0	6	0	1	0	0
Spolu	3	0	72	16	7	1	1

2.11. Iné informácie k vedeckej činnosti.

V roku 2017 bol Ústav zoológie SAV opäť úspešný v publikačnej oblasti. Naši pracovníci boli autormi a spoluautormi 2 zahraničných monografií, niekoľkých kapitol v monografiách, článkov publikovaných vo FASEB Journal (IF 5,498) a 4x vo Frontiers in Cellular and Infection Microbiology (IF 4,30). Ostatní pracovníci publikovali takmer 40 článkov v kvalitných impaktovaných časopisoch (1,5 článku na pracovníka). Vysoké nároky na kvalitu výsledkov a publikačných výstupov sú trvalou prioritou ústavu a tomu je prispôsobený aj systém určovania osobného hodnotenia vedeckých pracovníkov.

3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku

3.1. Údaje o doktorandskom štúdiu

Tabuľka 3a Počet doktorandov v roku 2017

Forma	Počet k 31.12.2017						Počet ukončených doktorantúr v r. 2017					
	Doktorandi						Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí		po skúške		ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Denná zo zdrojov SAV	1	4	1	2	0	0	2	0	0	1	0	0
Denná z iných zdrojov	0	0	0	0	0	0	0	0	0	0	0	0
Externá	1	0	0	0	0	0	0	1	0	0	0	0
Spolu	2	4	1	2	0	0	2	1	0	1	0	0
Súhrn	6		3		0		3		1		0	

Uvádzajte len doktorandov organizácie ako externej vzdelávacej inštitúcie

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení z dennej formy na externú a z externej na dennú

Pôvodná forma	Denná z prostriedkov SAV	Denná z prostriedkov SAV	Denná z iných zdrojov	Denná z iných zdrojov	Externá	Externá
Nová forma	Denná z iných zdrojov	Externá	Denná z prostriedkov SAV	Externá	Denná z prostriedkov SAV	Denná z iných zdrojov
Počet	0	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c Menný zoznam ukončených doktorandov v roku 2017 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnotu
Mgr. Ivana Baráková	externé štúdium	9 / 2012	8 / 2017	4.2.3 molekulárna biológia	MVDr. Markéta Derdáková PhD., Ústav zoológie SAV	Prírodovedecká fakulta UK
Mgr. Branislav Bednár	interné štúdium hrazené z prostriedkov SAV	9 / 2012	2 / 2017	4.2.3 molekulárna biológia	RNDr. Dušan Žitňan DrSc., Ústav zoológie SAV	Prírodovedecká fakulta UK
Mgr. Daniel Čižmár	interné štúdium hrazené z prostriedkov SAV	9 / 2012	2 / 2017	4.2.3 molekulárna biológia	Ing. Ladislav Roller PhD., Ústav zoológie SAV	Prírodovedecká fakulta UK

Zoznam interných a externých doktorandov je uvedený v prílohe A.

3.4. Medzinárodné doktorandské štúdium

Tabuľka 3d Počet študentov v medzinárodných programoch doktorandského štúdia

Cotutelle	Co-direction	Iné	Zahraniční doktorandi
0	0	0	0

3.5. Zoznam akreditovaných študijných odborov s uvedením VŠ

Tabuľka 3e Zoznam akreditovaných študijných odborov s uvedením univerzity/vysokej školy a fakulty, kde sa doktorandský študijný program uskutočňuje

Názov študijného odboru (ŠO)	Číslo ŠO	Doktorandské štúdium uskutočňované na (univerzita/vysoká škola a fakulta)
molekulárna biológia	4.2.3	Prírodovedecká fakulta UK
zoológia	4.2.5	Prírodovedecká fakulta UK

Tabuľka 3f Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do spoločných odborových komisií pre doktorandské štúdium	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnotu alebo vyšší kvalifikačný stupeň
Ing. Ladislav Roller, PhD. (zoológia)		doc. RNDr. Ľubomír Vidlička, CSc. (doc., Masarykova univerzita Brno, ČR)
doc. RNDr. Michal Stanko, DrSc. (zoológia)		
RNDr. Ferdinand Šporka, DrSc. (zoológia)		
RNDr. Ferdinand Šporka, DrSc. (všeobecná ekológia a ekológia jedinca a populácií)		
Mgr. Peter Vršanský, PhD. (paleontológia)		
RNDr. Dušan Žitňan, DrSc. (molekulárna biológia)		

3.6. Údaje o pedagogickej činnosti

Tabuľka 3g Prednášky a cvičenia vedené v roku 2017

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	3	0	4	0
Celkový počet hodín v r. 2017	42	0	94	0

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v prílohe D.

Tabuľka 3h Aktivity pracovníkov na VŠ

1.	Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác	10
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	15
3.	Počet pracovníkov, ktorí pôsobili ako škoolitelia doktorandov (PhD.)	4
4.	Počet školených doktorandov (aj pre iné inštitúcie)	7
5.	Počet oponovaných dizertačných a habilitačných prác	6
6.	Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce	3
7.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác	2
8.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác	3
9.	Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách	1

3.7. Iné dôležité informácie k pedagogickej činnosti

Ústav zoológie SAV je akreditovaným školiacim pracoviskom pre odbory Zoológia a Molekulárna biológia ako externá vzdelávacia inštitúcia PriF UK v Bratislave.

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2017 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2018 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

4.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 4a Programové a organizačné výbory medzinárodných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Spolu			

4.2. Členstvo a funkcie v medzinárodných orgánoch

4.2.1. Členstvo a funkcie v medzinárodných vedeckých spoločnostiach, úniách a národných komitétach SR

RNDr. Alžbeta Darolová, CSc.

Česká ornitologická spoločnosť (funkcia: člen)

MVDr. Markéta Derdáková, PhD.

European society for clinical microbiology and infectious diseases (funkcia: člen)

RNDr. Ferdinand Šporka, DrSc.

IAD - International Associations for Danube Research (funkcia: člen)

Ing. Zbyšek Šustek, CSc.

Asociación Internacional de Coleopterología, Barcelona, Espana (funkcia: člen)

Mgr. Radovan Václav, PhD.

Česká a slovenská etologická spoločnosť (funkcia: člen)

doc. RNDr. Ľubomír Vidlička, CSc.

Deutsche Gesellschaft für Orthopterologie (funkcia: člen)

4.3. Účasť expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 4b Experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Kazimírová Mária	FWF (Austrian Science Fund)	1
	MAD	1
	PE&RC One Health Call 2017	1

4.4. Najvýznamnejšie prínosy MVTS ústavu vyplývajúce z mobility a riešenia medzinárodných projektov a iné informácie k medzinárodnej vedeckej spolupráci

1) V rámci medzinárodného projektu „Zvýšenie vektorovej odolnosti na trypanozómovú infekciu bodaviek tsetse“, financovaného z IAEA, sme dosiahli tieto výsledky:

Africké bodavky tsetse (Diptera: Glossinidae) sú krv cicajúce a medicínsky významné vektory endoparazitických prvokov z rodu *Trypanosoma*, ktoré spôsobujú ľudskú a zvieraciu trypanozómiu. V oblastiach ich výskytu dochádza k významnému ohrozeniu verejného zdravia a rozsiahlym hospodárskym škodám na dobytku v subsaharskej Afrike. Použitie pesticídov účinne znižuje hustotu bodaviek tsetse a prenos patogénov, ale má vedľajšie účinky ako výraznú toxicitu pre vodné živočíchy a nepriaznivý vplyv na iné druhy hmyzu a necieľové organizmy vrátane cicavcov. Nezanedbateľný je aj vývoj rezistencie bodaviek proti insekticídom. Podporovaný projekt zlepšuje a vyvíja nové metódy vhodné na cielenú biologickú kontrolu bodaviek tsetse. Jedným z cieľov je použiť molekulárne postupy na zníženie plodnosti týchto múch. Bodavky tsetse sú živorodé (viviparné) a po oplodnení jediného vajíčka sa larva vyvíja v maternici a kŕmi mliečnym sekrétom produkovaným v mliečnych žľazách samice. Plne dorastená larva sa vyľahne a hneď zakuklí. V zajatí sa dospelé bodavky oboch pohlaví živí výhradne sterilnou kravskou krvou. Pomocou Next Generation Sequencing (Illumina) sme získali sekvencie transkriptov (cDNA) z vaječníkov a materníc panenských a oplodnených bodaviek *Glossina morsitans* a porovnali sme hladiny ich expresie. Porovnanie profilov expresie v rôznych štádiách dozrievania lariev nám umožnilo identifikovať niekoľko génov, ktorých expresiu môžeme potlačiť pomocou RNA interferencie (RNAi) v snahe narušiť larválny vývoj a znížiť plodnosť bodaviek tsetse. Mnohé z génov identifikovaných v tomto projekte sa javia ako dôležité pre správny priebeh vývinu lariev v maternici a preto sú vhodné pre cielenú RNAi. Predpokladáme, že potlačenie expresie vybraných génov pomocou RNAi môže výrazne potlačiť plodnosť samíc bodaviek a tento postup bude účinnejší ako metóda sterilizácie ožiarením.

Publikácia zadaná do tlače:

1. PROCHÁZKA, Emanuel - MICHÁLKOVÁ, Veronika - DAUBNEROVÁ, Ivana - ROLLER, Ladislav - ŽITŇAN, Dušan - TAKÁČ, Peter. Molecular genetic approach to reduce fecundity of tsetse flies. In BMC Microbiology, CRP special issue.

Publikácie:

1. DOUDOUMIS, Vangelis - BLOW, Frances - SARIDAKI, Aggeliki - AUGUSTINOS, Antonios A. - DYER, Naomi A. - GOODHEAD, Ian - SOLANO, Philippe - RAYAISSE, Jean Baptiste - TAKÁČ, Peter - MEKONNEN, Solomon - PARKER, Andrew Gordon - ABD-ALLA, Adly M. M. - DARBY, Alistair Charles - BOURTZIS, Kostas - TSIAMIS, George. Challenging the Wigglesworthia, Sodalis, Wolbachia symbiosis dogma in tsetse flies: Spiroplasma is present in both laboratory and natural populations. In Scientific Reports, 2017, vol. 7, iss. 1., article no. 4699. 13 pp. (4.259 - IF2016). Typ: **ADCA**

2) Projekt „Evolúcia a ochrana veľkoplošných primárnych ekosystémov“ (AMBA) bol v roku 2017 finančne podporený zo zdrojov MVTs. Dosiahli sme tieto hlavné výsledky:

- vydanie popularizačnej monografie o amurskom leopardovi – *Pantera pardus orientalis* (Schlegel, 1857), ktorý je mimoriadne vzácnou mačkovitou šelmou
- získanie cenných vzoriek jantáru so zaliatym fosílnym hmyzom na jantárovom trhu v Xisuanbanna v Junane
- objav nových skupín primitívnych živočíchov zaliatych v jantáre
- nadviazanie spolupráce s Čínskym pracoviskom CAV a ich botanickej záhradou
- výskum v dažďovom pralese južnej Číny, na hraniciach s Laosom a Barmou
- do tlače sme odoslali 5 CC článkov (po revíziách)
- opis fosílného švába, ktorý bol pravdepodobne jedovatý; správu prevzala titulná stránka BBC

1. VRŠANSKÝ, Peter - ŠIBNEV, J. 2017. Bars – amurský leopard / amur leopard / дальневосточный леопард. Amba projekty/rekonum, Bratislava, 152 pp. ISBN 978-80-970498-2-9. Typ: **BAB01**



*Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe E.
Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe B.*

5. Vedná politika

Hlavné vedecko-výskumné zameranie Ústavu zoológie SAV je zakotvené v organizačnom poriadku pracoviska a je postavené na troch odvetviach:

1. Základný výskum zameraný na štúdium vývinu, fyziológie a etológie živočíchov pomocou moderných molekulárnych, genetických a biochemických metód a konfokálnej mikroskopie. Tento výskum sa venuje hlavne objasneniu regulačných pochodov a signálnych dráh biologicky aktívnych látok a ich receptorov u rôznych modelových druhov hmyzu a kliešťov počas rastu, metamorfózy a rozmnožovania.

2. Základný a aplikovaný výskum medicínsky významných živočíchov a prenášačov nebezpečných patogénov pomocou molekulárnych a diagnostických metód. Komplexné štúdium vzťahov medzi hostiteľmi, ektoparazitmi a patogénmi. Tento výskum sa zaoberá aj mechanizmami prenosu vybraných patogénov z kliešťov do hostiteľa na bunkovej a molekulárnej úrovni.

3. Základný a aplikovaný výskum v oblasti zoológie, hydrobiológie, ekológie a podporných biologických disciplín. Získavanie poznatkov o systematike a taxonómii, výskyte, rozšírení a ekológii živočíchov. Vyhodnocovanie získaných údajov a poznatkov vo vzťahu k funkciám a vývoju suchozemských i vodných ekosystémov. Posudzovanie antropogénnych disturbancií vybraných ekosystémov a z toho vyplývajúcich požiadaviek na ochranu prírody.

Na pracovisku sa riešia perspektívne témy teoretického aj aplikovaného charakteru a nepredpokladáme podstatné zmeny v budúcnosti. Vedenie ústavu dbá na to, aby výskumné tímy reagovali na požiadavky moderného vedeckého výskumu, zavádzali nové metódy a spolupracovali s inými špičkovými pracoviskami. To umožňuje produkovať zaujímavé výsledky a získavať nové vedecké projekty. Veríme, že transformácia na VVI umožní pružnejšie reagovať na stále náročnejšie požiadavky vedeckého výskumu a poskytne lepšie podmienky pre spoluprácu s akademickými pracoviskami, ale aj so súkromnými firmami.

6. Spolupráca s univerzitami/vysokými školami, štátnymi a neziskovými inštitúciami okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UK

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca s Ústavom epidemiológie LF UK

Začiatok spolupráce: 2010

Zameranie: spolupráca

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK

Druh spolupráce (spoločné pracovisko alebo iné): Výučba na Katedrách genetiky, zoológie, biochémie, molekulárnej biológie, fyziológie živočíchov a ekológie

Začiatok spolupráce: 2010

Zameranie: prednášky

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UPJŠ

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume s Ústavom epidemiológie

Začiatok spolupráce: 2010

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UPJŠ

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2011

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UMB

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na projektoch

Začiatok spolupráce: 2007

Zameranie: hydrobiológia - spolupráca

Názov univerzity/vysokej školy a fakulty: Pedagogická fakulta TVU

Druh spolupráce (spoločné pracovisko alebo iné): Výučba, výskum

Začiatok spolupráce: 1998

Zameranie: prednášky

Názov univerzity/vysokej školy a fakulty: Agronomická fakulta, Česká zemědělská univerzita

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na projektoch

Začiatok spolupráce: 2012

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Masarykova univerzita Brno, ČR

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2014

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Jihočeská Univerzita, České Budějovice, ČR

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume s Přírodovědeckou fakultou JU

Začiatok spolupráce: 2013

Zameranie: výskum

Názov univerzity/vysokej školy a fakulty: Slovenská zdravotnícka univerzita v Bratislave
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko: Laboratórium pre výskum bioterapeutických metód
Začiatok spolupráce: 2011
Zameranie: výskum

Názov univerzity/vysokej školy a fakulty: Imperial College London, London, UK
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2015
Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: University of Oxford, Veľká Británia
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2012
Zameranie: Výskum
Zhodnotenie: Spolupráca zameraná na štúdium bioaktívnych látok v slinných žľazách článkonožcov; ekológiu a epidemiológiu kliešťami prenášaných patogénov.

Názov univerzity/vysokej školy a fakulty: Konrad-Lorenz-Institut für Vergleichende Verhaltensforschung, Veterinärmedizinische Universität Wien
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na projektoch
Začiatok spolupráce: 1993
Zameranie: výskum

Názov univerzity/vysokej školy a fakulty: Yale University, New Haven, USA
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2013
Zameranie: Výskum
Zhodnotenie: Vývoj nových metodík (SSCP) pre štúdium genetickej variability spirochét z komplexu *Borrelia burgdorferi* sensu lato, pôvodcov lymskej boreliózy. Ekológia a fylogenetické štúdie borélií.

Názov univerzity/vysokej školy a fakulty: National Institute of Agrobiological Sciences, Tsukuba, Japan
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2008
Zameranie: Výskum
Zhodnotenie: Využitie transgénnych línií motýľa *Bombyx mori* na štúdium funkcie rôznych bioaktívnych látok, hormónov a ich receptorov.

Názov univerzity/vysokej školy a fakulty: International Atomic Energy Agency, Vienna
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2006
Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: University of California, Riverside, USA
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume
Začiatok spolupráce: 2001
Zameranie: Výskum
Zhodnotenie: Využitie najmodernejších molekulárnych metód, biochemických analýz a fyziologických postupov s cieľom objasniť mechanizmy neuroendokrinnnej regulácie vývinu hmyzu (*Drosophila* a *Bombyx*).

Názov univerzity/vysokej školy a fakulty: Kansas University, Manhattan, USA

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2012

Zameranie: Výskum

Zhodnotenie: Identifikácia a funkcia neuropeptidov a ich receptorov u kliešťov.

Názov univerzity/vysokej školy a fakulty: Università degli Studi di Firenze, Italy

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2009

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Institute of Tropical Medicine, Liverpool, UK

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2014

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: Institute of Tropical Medicine, Neuschâtel, Switzerland

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2014

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: University of Bath,

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2013

Zameranie: výskum

Zhodnotenie: Vývoj nových metodík (SSCP) pre štúdium genetickej variability spirochét z komplexu *Borrelia burgdorferi* sensu lato, pôvodcov lymskej boreliózy. Ekológia a fylogenetické štúdie borélií.

Názov univerzity/vysokej školy a fakulty: Entomologický ústav AV ČR, České Budějovice, Česká republika

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2010

Zameranie: Výskum

Zhodnotenie:

Názov univerzity/vysokej školy a fakulty: Parazitologický ústav AV ČR, České Budějovice, Česká republika

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2010

Zameranie: Výskum

Zhodnotenie: Ekológia a epidemiológia kliešťami prenášaných patogénov. Identifikácia nového druhu pôvodcov boreliózy, *Borrelia spielmanii*.

Názov univerzity/vysokej školy a fakulty: Universität für Bodenkultur Wien, Institute of Hydrobiology and Aquatic Ecosystem Management

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na projektoch

Začiatok spolupráce: 1995

Zameranie: Výskum

Názov univerzity/vysokej školy a fakulty: National University of Singapore, Department of Biological Sciences, Singapore

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2006

Zameranie: Výskum

Zhodnotenie: Identifikácia bioaktívnych molekúl v slinných žľazách kliešťov.

Názov univerzity/vysokej školy a fakulty: The University of Texas Medical Branch, Galveston, TX, United States

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2011

Zameranie: Výskum

Zhodnotenie: Štúdium interakcií kliešť-hostiteľ-patogén.

Názov univerzity/vysokej školy a fakulty: Faculté de Médecine et de Pharmacie, Université de Strasbourg, Strasbourg, France

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2015

Zameranie: Výskum

Zhodnotenie: Vývoj metód pre včasnú diagnostiku kliešťami prenášaných nákaz.

Názov univerzity/vysokej školy a fakulty: Instituto de Patobiología, CICVyA - INTA Castelar, Buenos Aires, Argentina

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2014

Zameranie: Výskum

Zhodnotenie: Molekulárna detekcia a fylogenetická analýza kliešťami prenášaných Piroplasmida.

Názov univerzity/vysokej školy a fakulty: Laboratory for Zoonoses and Environmental Microbiology, National Institute for Public Health and Env

Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na výskume

Začiatok spolupráce: 2015

Zameranie: Výskum

Zhodnotenie: Ekoepidemiológia kliešťami prenášaných nákaz.

6.2. Významné aplikácie výsledkov výskumu v spoločenskej praxi alebo vyriešenie problému pre štátnu alebo neziskovú inštitúciu

6.3. Iná činnosť využiteľná pre potreby spoločenskej praxe

7. Spolupráca s aplikačnou a hospodárskou sférou okrem aktivít uvedených v kap. 2, 3, 4

7.1. Spoločné pracoviská s aplikačnou sférou

Názov pracoviska: Scientica, s r.o.

Partner(i): Ústav zoológie SAV, KARI TRC Keňa

Zameranie: Priamy transfer vedeckých poznatkov získaných v základnom výskume a ich aplikácii v konkrétnych odboroch spoločenskej praxe.

Rok založenia: 2007

Zhodnotenie: Riešené boli rôzne projekty s aplikačnými výstupmi. V roku 2016 pokračoval v rámci rozvojovej pomoci Kenskej republiky a iným krajinám Východnej Afriky transfer vedeckých poznatkov formou troch projektov:

- Zavedenie terapie sterilnými larvami do klinickej praxe v zariadeniach humánnej a veterinárnej medicíny v Kenskej republike.
- Zvýšenie vektorovej odolnosti na trypanozómovú infekciu bodaviek tsetse.
- Zabezpečenie masového chovu kolónie bodaviek tsetse, *Glossina palpalis gambiensis* v boji proti spavej chorobe u ľudí a choroby nagana u dobytky v Senegale.

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

7.3. Iná činnosť využiteľná pre potreby hospodárskej praxe

8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie

8.1. Členstvo v poradných zboroch vlády SR, Národnej rady SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Tabuľka 8a Členstvo v poradných zboroch Národnej rady SR, vlády SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Meno pracovníka	Názov orgánu	Funkcia
RNDr. Alžbeta Darolová, CSc.	Koordinačná rada pre monitoring vtákov pri Štátnej ochrane prírody	člen Koordinačnej rady
Ing. Zbyšek Šustek, CSc.	Poradný zbor Vrchnej riaditeľky emisného odboru NBS pre stanovovanie námetov pamätných mincí	člen

8.2. Expertízna činnosť a iné služby pre štátnu správu a samosprávy

Názov expertízy: entomofaunistický výskum chránených území v CHKO Malé Karpaty

Adresát expertízy: ŠOP SR CHKO Malé Karpaty

Spracoval: Ing. Ladislav Roller, PhD.

Stručný opis: Výskum fauny blanokřídlcov na vybraných maloplošných územíach v Malých Karpatoch.

8.3. Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Tabuľka 8b Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Meno pracovníka	Názov orgánu	Funkcia
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8.4. Prehľad aktuálnych spoločenských problémov, ktoré riešilo pracovisko v spolupráci s Kanceláriou prezidenta SR, s vládnyimi a parlamentnými orgánmi alebo pre ich potrebu

9. Vedecko-organizačné a popularizačné aktivity

9.1. Vedecko-popularizačná činnosť

Tabuľka 9a Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	8	tlač	5	TV	6
rozhlas	11	internet	1	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	1				

9.2. Vedecko-organizačná činnosť

Tabuľka 9b Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
Blanokrídlovce v Českých zemích a na Slovensku - 13. stretnutie	domáca	Plavecký Štvrtok, Kamenný Mlyn	31.05.-04.06.2017	31

9.3. Účasť na výstavách

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9c Programové a organizačné výbory národných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Roller Ladislav	0	0	1
Vidlička Ľubomír	1	0	0
Spolu	1	0	1

9.5. Členstvo v redakčných radách časopisov

RNDr. Alžbeta Darolová, CSc.

Tichodroma (funkcia: člen)

MVDr. Markéta Derdáková, PhD.

Ticks and Tick Borne Diseases (funkcia: section editor)

RNDr. Stanislav Kalúz, CSc.

Entomofauna Carpathica (funkcia: člen)

Folia Faunistica Slovaca (funkcia: člen)

RNDr. Mária Kazimírová, CSc.

Biologia (funkcia: managing editor)

Persian Journal of Acarology (funkcia: člen redakčnej rady)

Doc. PaedDr. Pavol Prokop, PhD.

Biologia (funkcia: člen)
Educational Sciences: Theory & Practise (funkcia: člen)
Entomofauna Carpathica (funkcia: Editor)
Eurasia Journal of Mathematics, Science and Technology Education (funkcia: člen)
European Journal of Ecology (funkcia: člen)
International Electronic Journal of Elementary Education (funkcia: člen)
International Electronic Journal of Environmental Education (funkcia: člen)
International Journal of Biology Education (funkcia: člen)
International Journal of Environmental and Science Education (funkcia: zástupca šéfredaktora)
Journal of Baltic Science Education (funkcia: člen)
Journal of Coastal Life Medicine (funkcia: člen)
SOP Transactions on Psychology (funkcia: člen)
The Journal of General Psychology (funkcia: člen)

Ing. Ladislav Roller, PhD.

Entomofauna Carpathica (funkcia: člen)

RNDr. Mirko Slovák, CSc.

Entomofauna Carpathica (funkcia: člen redakčnej rady)

Ing. Zbyšek Šustek, CSc.

Biologia (funkcia: člen)
Elytron (funkcia: člen)
Oltenia, Studii și Comunicări, Științele Naturii (funkcia: člen)

Mgr. Radovan Václav, PhD.

Biologia - Botany, Zoology and Cellular and Molecular Biology (funkcia: člen Editorial Board)
Tichodroma (funkcia: člen Redakčnej rady)

doc. RNDr. Ľubomír Vidlička, CSc.

Acta Rerum Naturalium Musei Nationalis Slovaci (funkcia: člen)
Annotationes zoologicae et botanicae Musei Slovaci (funkcia: člen)
Entomofauna Carpathica (funkcia: člen)

RNDr. Dušan Žitňan, DrSc.

General and Comparative Endocrinology (funkcia: člen)

9.6. Činnosť v domácich vedeckých spoločnostiach

RNDr. Alžbeta Darolová, CSc.

Slovenská ornitologická spoločnosť/Birdlife (funkcia: člen)

MVDr. Markéta Derdáková, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen)

RNDr. Stanislav Kalúz, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen výboru)

RNDr. Mária Kazimírová, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen)

Mgr. Igor Kokavec, PhD.

Slovenská limnologická spoločnosť pri SAV (funkcia: člen)

RNDr. Ján Krištofik, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

Mgr. Barbara Mangová, PhD.

Slovenská arachnologická spoločnosť - SARAS (funkcia: člen)

Slovenská zoologická spoločnosť pri SAV (funkcia: člen)

Ing. Ladislav Roller, PhD.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

Mgr. Veronika Rusňáková Taragel'ová, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen výboru)

Mgr. Diana Selyemová, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen)

RNDr. Mirko Slovák, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

doc. RNDr. Michal Stanko, DrSc.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen výboru)

Slovenská zoologická spoločnosť pri SAV (funkcia: člen)

RNDr. Ferdinand Šporka, DrSc.

Slovenská limnologická spoločnosť pri SAV (funkcia: člen)

RNDr. Peter Takáč, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

doc. RNDr. Ľubomír Vidlička, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen výboru)

RNDr. Dušan Žitňan, DrSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

9.7. Iné dôležité informácie o vedecko-organizačných a popularizačných aktivitách

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		13 991
z toho	knihy a zviazané periodiká	11 790
	audiovizuálne dokumenty	6
	elektronické dokumenty (vrátane digitálnych)	44
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	1 901
	Rukopisy, vzácne tlače	0
Počet titulov dochádzajúcich periodík		23
z toho zahraničné periodiká		21
Ročný prírastok knižničných jednotiek		250
v tom	kúpou	0
	darom	250
	výmenou	0
	bezodplatným prevodom	0
	náhradou	0
Úbytky knižničných jednotiek		0
Knižničné jednotky spracované automatizovane		11 790

Výraz „**v tom**“ označuje úplné (vyčerpávajúce) údaje, ktorých súčet sa musí rovnať údaju v riadku „spolu“, čiže nadradenému riadku.

Výraz „**z toho**“ označuje neúplné (výberové) údaje, ktorých súčet sa nemusí rovnať údaju v riadku „spolu“.

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu (riadok 1)		1 073
v tom z r. 1	prezenčné výpožičky	1 051
	absenčné výpožičky	22
v tom z r. 1	odborná literatúra pre dospelých	326
	výpožičky periodík	747
MVS iným knižniciam		15
MVS z iných knižníc		0
MMVS iným knižniciam		0
MMVS z iných knižníc		58
Počet vypracovaných bibliografií		32
Počet vypracovaných rešerší		27

10.3. Používatelia

Tabuľka 10c Používatelia

Registrovaní používatelia	44
Návštevníci knižnice spolu (bez návštevníkov podujatí)	37

10.4. Iné údaje

Tabuľka 10d Iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	1
Náklady na nákup knižničného fondu v €	0

10.5. Iné informácie o knižničnej činnosti

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

11.3. Členstvo vo vedeckých kolégiách SAV

doc. RNDr. Michal Stanko, DrSc.

- VK SAV pre biologicko-ekologické vedy (člen)

11.4. Členstvo v komisiách SAV

Ing. Ladislav Roller, PhD.

- Komisia SAV pre zahraničné styky (člen)

Mgr. Peter Vršanský, PhD.

- Komisia SAV pre vyhodnocovanie medzinárodných projektov (člen komisie)

RNDr. Dušan Žitňan, DrSc.

- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)

11.5. Členstvo v orgánoch VEGA

Ing. Ladislav Roller, PhD.

- Komisia č. 8 pre pôdohospodárske, veterinárske a drevárske vedy (člen)

doc. RNDr. Michal Stanko, DrSc.

- Komisia VEGA č. 8 pre pôdohospodárske vedy a drevárske vedy (predseda)

doc. RNDr. Ľubomír Vidlička, CSc.

- Komisia č. 4 pre biologické vedy (člen)

12. Hospodárenie organizácie

12.1. Výdavky PO SAV

Tabuľka 12a Výdavky PO SAV (v €)

V ý d a v k y	Skutočnosť k 31.12.2017 spolu	v tom:			
		zo ŠR od zriaďovateľ a	z vlastných zdrojov	z iných zdrojov	z toho: ŠF EÚ
Výdavky spolu	1 023 148	776 322	73 181	173 645	
Bežné výdavky	1 012 368	776 322	69 229	166 817	
v tom:					
mzdy (610)	555 620	502 029	14 235	39 356	
poistné a príspevok do poisťovní (620)	199 932	175 411	10 730	13 791	
tovary a služby (630)	198 054	66 323	34 497	97 234	
z toho: časopisy	753	346	307	100	
VEGA projekty	44 440	44 440			
MVTS projekty	7 875	7 875			
CE					
vedecká výchova	2 000	2 000			
bežné transfery (640)	58 762	32 559	9 767	16 436	
z toho: štipendiá	32 559	32 559			
transfery partnerom projektov	26 203		9 767	16 436	
Kapitálové výdavky	10 780		3 952	6 828	
obstarávanie kapitálových aktív	10 780		3 952	6 828	
kapitálové transfery					
z toho: transfery partnerom projektov					

12.2. Príjmy PO SAV

Tabuľka 12b Príjmy PO SAV (v €)

P r í j m y	Skutočnosť k 31.12.2017 spolu	v tom:	
		rozpočtové	z mimoroz p. zdrojov
Príjmy spolu	996 789	776 322	220 467
Nedaňové príjmy	45 078		45 078
v tom:			
príjmy z prenájmu			
príjmy z predaja výrobkov a služieb	42 549		42 549
iné	2 529		2 529
Granty a transfery (mimo zdroja 111)	220 467		220 467
v tom:			
tuzemské	213 505		213 505
z toho: APVV	170 389		170 389
iné	43 116		43 116
zahraničné	6 962		6 962
z toho: projekty rámcového programu EÚ			
iné			

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2017

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

Kraljik Jasna

Ocenenie súťaže Rady slovenských vedeckých spoločností pre mladých vedeckých pracovníkov a doktorandov

Oceňovateľ: RSVS pri SAV

15.1.2. Iné domáce ocenenia

Hamšíková Zuzana

Cena Slovenskej parazitologickej spoločnosti pri SAV za najlepšie práce mladých parazitológov publikované v roku 2016

Oceňovateľ: Slovenská parazitologická spoločnosť pri SAV

Opis: udelené II. miesto

Kraljik Jasna

Cena Slovenskej parazitologickej spoločnosti pri SAV za najlepšie práce mladých parazitológov publikované v roku 2016

Oceňovateľ: Slovenská parazitologická spoločnosť pri SAV

Opis: udelené I. miesto

15.2. Medzinárodné ocenenia

16. Poskytovanie informácií v súlade so zákonom č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení neskorších predpisov (Zákon o slobode informácií)

17. Problémy a podnety pre činnosť SAV

Správu o činnosti organizácie SAV spracoval(i):

doc. RNDr. Ľubomír Vidlička, CSc., 02/5930 2640

Riaditeľ organizácie SAV

Predseda vedeckej rady

.....
RNDr. Dušan Žitňan, DrSc.

.....
Ing. Ladislav Roller, PhD.

Prílohy

Príloha A

Zoznam zamestnancov a doktorandov organizácie k 31.12.2017

Zoznam zamestnancov podľa štruktúry (nadväzne na údaje v Tabuľke 1a)

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	Prof. Oto Majzlan, CSc.	10	0.10
2.	doc. RNDr. Michal Stanko, DrSc.	30	0.30
3.	RNDr. Ferdinand Šporka, DrSc.	100	1.00
4.	RNDr. Dušan Žitňan, DrSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	RNDr. Alžbeta Darolová, CSc.	100	1.00
2.	MVDr. Markéta Derdáková, PhD.	80	0.80
3.	RNDr. Stanislav Kalúz, CSc.	20	0.20
4.	RNDr. Mária Kazimírová, CSc.	100	1.00
5.	Mgr. Jasna Kraljik, PhD.	100	0.33
6.	RNDr. Ján Krištofik, CSc.	100	1.00
7.	RNDr. Peter Mašán, PhD.	100	1.00
8.	Mgr. Veronika Michalková, PhD.	100	0.41
9.	Doc. PaedDr. Pavol Prokop, PhD.	50	0.50
10.	Ing. Ladislav Roller, PhD.	100	1.00
11.	Mgr. Veronika Rusňáková Taragel'ová, PhD.	100	0.30
12.	RNDr. Mirko Slovák, CSc.	30	0.30
13.	Ing. Zbyšek Šustek, CSc.	100	1.00
14.	RNDr. Peter Takáč, CSc.	80	0.90
15.	Mgr. Radovan Václav, PhD.	100	1.00
16.	doc. RNDr. Ľubomír Vidlička, CSc.	100	1.00
17.	Mgr. Peter Vršanský, PhD.	30	0.30
Vedeckí pracovníci			
1.	Ing. Marek Barta, PhD.	25	0.25
2.	Mgr. Ivana Daubnerová, PhD.	100	1.00
3.	MVDr. Yuliya Didyk, PhD.	100	0.75
4.	Mgr. Zuzana Hamšíková, PhD.	100	0.10
5.	Mgr. Peter Klepsatel, PhD.	100	0.83

6.	Mgr. Igor Kokavec, PhD.	100	0.66
7.	Mgr. Barbara Mangová, PhD.	100	1.00
8.	Mgr. Emanuel Procházka, PhD.	100	1.00
9.	Mgr. Diana Selyemová, PhD.	100	1.00
10.	Mgr. Marek Semelbauer, PhD.	100	1.00
11.	Mgr. David Wildridge, PhD.	100	1.00
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Mgr. Michal Chvostáč	100	0.33
2.	Mgr. Matej Kautman	100	1.00
3.	Mgr. Ján Kočišek	5	0.10
4.	Mgr. Tatiana Vaculová	100	0.33
Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Mgr. Dagmar Práznovská	100	1.00
2.	Ing. Danko Sitarčíková	100	1.00
3.	Mgr. Jakub Steinhübel	100	1.00
Odborní pracovníci ÚSV			
1.	Alexander Baranovič	100	1.00
2.	Lýdia Drinková	100	1.00
3.	Mária Gudabová	100	1.00
4.	Bc. Miriam Pillerová	10	0.29
5.	Eva Vráblová	100	1.00
6.	Jana Weisová	100	1.00
Ostatní pracovníci			
1.	Karol Bucsek	100	1.00
2.	Zuzana Pelikánová	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedeckí pracovníci			
1.	Mgr. Zuzana Hamšíková, PhD.	31.12.2017	0.10
2.	Mgr. Nikoleta Hartl, PhD.	31.5.2017	0.17
3.	RNDr. Ingrid Sveráková, PhD.	30.6.2017	0.50
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Bc. Mária Brodňanová	12.4.2017	0.03
2.	Bc. Renata Holubek	31.3.2017	0.12

Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Mgr. Mária Brodňanová	31.7.2017	0.10
2.	Ing. Dana Groschová	15.1.2017	0.75
3.	RNDr. Vlasta Lúčanová	30.6.2017	0.21
4.	Mgr. Iveta Mikušáková	19.2.2017	0.12
Ostatní pracovníci			
1.	Pavol Haris	30.6.2017	0.50

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hrazení z prostředků SAV			
1.	Mgr. Zuzana Gálíková	Přírodovědecká fakulta UK	4.2.3 molekulární biologie
2.	Mgr. Dominika Hromníková	Přírodovědecká fakulta UK	4.2.3 molekulární biologie
3.	Mgr. Soňa Morávková	Přírodovědecká fakulta UK	4.2.3 molekulární biologie
4.	Mgr. Peter Pecina	Přírodovědecká fakulta UK	4.2.5 zoologie
5.	Mgr. Darina Šípošová	Přírodovědecká fakulta UK	4.2.5 zoologie
Interní doktorandi hrazení z jiných zdrojů			
<i>organizácia nemá interných doktorandov hrazených z jiných zdrojů</i>			
Externí doktorandi			
1.	Mgr. Juraj Čačaný	Přírodovědecká fakulta UK	4.2.5 zoologie

Zoznam zamestnancov prijatých do jedného roka od získania PhD.

	Meno s titulmi	Dátum obhajoby	Dátum prijatia	Úväzok (v %)
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Zoznam emeritných vedeckých zamestnancov

	Meno s titulmi
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Príloha B

Projekty riešené v organizácii

Medzinárodné projekty

Programy: UNESCO

1.) Evolúcia a ochrana veľkoplošných primárnych ekosystémov (projekt AMBA) (*Amba project*)

Zodpovedný riešiteľ:	Peter Vršanský
Zodpovedný riešiteľ v organizácii SAV:	Peter Vršanský
Trvanie projektu:	1.1.1998 /
Evidenčné číslo projektu:	NA
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav vied o Zemi SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-
	Podpora medzinárodnej spolupráce z národných zdrojov: 4725 €

Dosiahnuté výsledky:

Programy: IAEA

2.) Posilnenie vektorovej refraktérnosti na trypanozómovú infekciu (*Enhancing Vector Refractoriness to Trypanosome Infection*)

Zodpovedný riešiteľ:	Peter Takáč
Trvanie projektu:	8.2.2016 / 8.2.2017
Evidenčné číslo projektu:	IAEA –TC 17713
Organizácia je koordinátorom projektu:	nie
Koordinátor:	International Atomic Energy Agency (IAEA)
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-
	Podpora medzinárodnej spolupráce z národných zdrojov: 3150 €

Dosiahnuté výsledky:

Programy: Iné

3.) Štúdia vplyvu optimalizácie vodného režimu vybraných ramien inundačného územia Dunaja na faunu vodných bezstavovcov a posúdenie účinku revitalizačných scenárov na kvalitu biotopov pre bezstavovce (*Restoration and management of Danube floodplain habitats*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2017 / 31.12.2021
Evidenčné číslo projektu: LIFE14 NAT/SK001306
Organizácia je koordinátorom projektu: nie
Koordinátor: Bratislavské regionálne ochranárske združenie
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: 0

Dosiahnuté výsledky:

4.) Determinanty variability paraziticko-hostiteľských vzťahov (*Determinantes de la variación en las interacciones parasito-hospedador*)

Zodpovedný riešiteľ: Radovan Václav
Trvanie projektu: 1.1.2015 / 31.7.2018
Evidenčné číslo projektu: CGL2014-55969-P
Organizácia je koordinátorom projektu: nie
Koordinátor: Estación Experimental de Zonas Áridas (EEZA-CSIC)
Počet spoluriešiteľských inštitúcií: 2 - Španielsko: 2
Čerpané financie: LA AGENCIA ESTATAL DE INVESTIGACION (MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD): 7000 €

Dosiahnuté výsledky:

Projekty národných agentúr

Programy: VEGA

1.) Vplyv typu hniezda, hniezdneho prostredia a antimikrobiálnych látkových a behaviorálnych mechanizmov na bakteriálne spoločenstvá povrchu vajec vybraných druhov vtákov. (*Influence of nest type, nesting habitat, antimicrobial substances and behavioral mechanisms on bacterial assemblages living on egg surface in selected bird species*)

Zodpovedný riešiteľ: Alžbeta Darolová
Trvanie projektu: 1.1.2015 / 31.12.2018
Evidenčné číslo projektu: 2/0034/15
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 5184 €

Dosiahnuté výsledky:

2.) Taxonómia, ekológia a chorológia arborikolných roztočov (Acari: Mesostigmata) žijúcich vo vzťahu s drevokazným hmyzom a hubami v podmienkach Slovenska. (*Arboricolous mites (Acari: Mesostigmata) associated with wood-destroying insects and fungi in Slovakia, with consideration on taxonomy, ecology and chorology of individual species.*)

Zodpovedný riešiteľ: Peter Mašán
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0091/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 3931 €

Dosiahnuté výsledky:

3.) Detailná identifikácia a charakterizácia *Borrelia burgdorferi* sensu lato a *Borrelia miyamotoi* pomocou multilokusovej sekvenčnej typizácie (MLST).

Zodpovedný riešiteľ: Veronika Rusňáková Taragel'ová
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: VEGA 2/0119/17
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 8645 €

Dosiahnuté výsledky:

4.) Webový atlas neuroendokrinného systému hmyzu (*Web atlas of neuroendocrine system in insect*)

Zodpovedný riešiteľ: Matej Stano
Zodpovedný riešiteľ v organizácii SAV: Ladislav Roller
Trvanie projektu: 1.1.2015 / 31.12.2017
Evidenčné číslo projektu: 2/0164/15
Organizácia je koordinátorom projektu: nie
Koordinátor: Ústav molekulárnej biológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1630 €

Dosiahnuté výsledky:

5.) Antropické zmeny prostredia v banskoštiavnickej banskej oblasti počas posledných 250 rokov: paleolimnologická rekonštrukcia s využitím biologických a abiotických indikátorov zo sedimentov vodných nádrží (*A 250 year history of human impacts on a landscape of the Banská Štiavnica mining territory: a palaeolimnological reconstruction using biotic and abiotic indicators from lake sediments*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2015 / 31.12.2017
Evidenčné číslo projektu: 1/0664/15
Organizácia je koordinátorom projektu: nie
Koordinátor: Fakulta prírodných vied UMB
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1046 €

Dosiahnuté výsledky:

6.) Vplyv krajiny a regulácií na spoločenstvá bentosu tečúcich vôd (*The influence of landscape and regulations on the freshwater benthic macroinvertebrates communities*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2016 / 31.12.2019
Evidenčné číslo projektu: 1/0119/16
Organizácia je koordinátorom projektu: nie
Koordinátor: Prírodovedecká fakulta UK, Bratislava
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4358 €

Dosiahnuté výsledky:

7.) Krátkodobé a strednodobé výkyvy klimatických faktorov ako regulátor sukcesie taxocenóz bystruškovitých (Coleoptera, Carabidae) v rôzne narušených horských lesných ekosystémoch (*Short- and medium-termed fluctuations of climatic factors as regulator of succession of Carabid taxocoenoses (Coleoptera, Carabidae) in differently disturbed mountain forest ecosystems*)

Zodpovedný riešiteľ: Zbyšek Šustek
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0101/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 2200 €

Dosiahnuté výsledky:

8.) Neuropeptidy regulujúce inerváciu pohlavných orgánov a sexuálne správanie bodaviek tsetse (*Neuropeptides regulating innervation of the genital organs and sexual behavior of tsetse flies*)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 1.1.2016 / 31.12.2019
Evidenčné číslo projektu: 2/0119/16
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 10185 €

Dosiahnuté výsledky:

9.) Dôležitosť heterogenity reprodukčného biotopu pre reprodukčné investície a prežívanie (*Importance of reproductive habitat heterogeneity in reproductive allocation and survival*)

Zodpovedný riešiteľ: Radovan Václav
Trvanie projektu: 1.1.2016 / 31.12.2019
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 1 - Španielsko: 1
Čerpané financie: VEGA: 3971 €

Dosiahnuté výsledky:

10.) Ekologický a etologický výskum invázneho švába *Ectobius vittiventris* (Blattaria) na Slovensku (*Ecological and ethological research of invasive cockroach *Ectobius vittiventris* (Blattaria) in Slovakia*)

Zodpovedný riešiteľ: Ľubomír Vidlička
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: 2/0139/17
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4320 €

Dosiahnuté výsledky:

Programy: APVV

11.) Ekológia hostiteľskej špecificity vektormi prenášaných parazitov (*Ecology of host specificity in vector-borne parasites*)

Zodpovedný riešiteľ: Markéta Derdáková
Trvanie projektu: 1.7.2017 / 30.6.2021
Evidenčné číslo projektu: APVV-16-0463
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 26466 €

Dosiahnuté výsledky:

12.) O ovciach, kozách a víruse kliešťovej encefalitídy (*Of Sheep, Goats and Tick-borne Encephalitis virus*)

Zodpovedný riešiteľ: Martina Ličková
Zodpovedný riešiteľ v organizácii SAV: Markéta Derdáková
Trvanie projektu: 1.7.2017 / 30.6.2021
Evidenčné číslo projektu: APVV-16-0518
Organizácia je koordinátorom projektu: nie
Koordinátor: Biomedicínske centrum SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 8000 €

Dosiahnuté výsledky:

13.) Úloha neuropeptidov a ich receptorov pri regulácii aktivity endokrinných a reprodukčných orgánov priadky morušovej (*Bombyx mori*) (*The role of neuropeptides and their receptors in regulation of endocrine and reproductive organs in the silkworm (Bombyx mori)*)

Zodpovedný riešiteľ: Ladislav Roller
Trvanie projektu: 1.7.2017 / 30.6.2021
Evidenčné číslo projektu: APVV –16-0395
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 21223 €

Dosiahnuté výsledky:

14.) Drobné cicavce ako potenciálny zdroj zoonotických baktérií a rezistencie na antibiotiká
(*Small mammals as a potential source of zoonotic bacteria and resistance to antibiotics*)

Zodpovedný riešiteľ: Michal Stanko
Zodpovedný riešiteľ v organizácii SAV: Markéta Derdáková
Trvanie projektu: 1.7.2015 / 30.6.2019
Evidenčné číslo projektu: APVV-14-0274
Organizácia je koordinátorom projektu: nie
Koordinátor: Parazitologický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 10098 €

Dosiahnuté výsledky:

15.) Biologický význam a farmakologické vlastnosti proteínov v slinách kliešťov (*Biological significance and pharmacological features of proteins in tick saliva*)

Zodpovedný riešiteľ: Iveta Štibrániová
Zodpovedný riešiteľ v organizácii SAV: Mária Kazimírová
Trvanie projektu: 1.10.2013 / 30.9.2017
Evidenčné číslo projektu: APVV-0737-12
Organizácia je koordinátorom projektu: nie
Koordinátor: Biomedicínske centrum SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 3143 €

Dosiahnuté výsledky:

16.) Bezpesticídová kontrola populácií muchy domácej a bodavky stajňovej v chovoch hospodárskych zvierat na Slovensku (*Pesticide-free control of the house fly and stable fly populations on livestock farms in Slovakia*)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 1.7.2015 / 30.6.2018
Evidenčné číslo projektu: APVV-14-0652
Organizácia je koordinátorom projektu: nie
Koordinátor: Scientica, s.r.o.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 26600 €

Dosiahnuté výsledky:

17.) Zníženie plodnosti a kontrola trypanozomiáz bodaviek tsetse aplikáciou metód sterility a molekulárnych metód. (*Reduction of fecundity and trypanosomiasis control of tsetse flies by the application of sterile insect techniques and molecular methods*)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 1.7.2016 / 30.6.2019
Evidenčné číslo projektu: APVV-15-0604
Organizácia je nie
koordinátorom projektu:
Koordinátor: Scientica,s.r.o.
Počet spoluriešiteľských 0
inštitúcií:
Čerpané financie: APVV: 16797 €

Dosiahnuté výsledky:

18.) Funkcia neuropeptidov a ich receptorov pri regulácii prenosu patogénov z kliešťov na hostiteľa (*The role of neuropeptides and receptors in regulation of pathogen transfer from ticks to their hosts*)

Zodpovedný riešiteľ: Dušan Žitňan
Trvanie projektu: 1.7.2015 / 30.6.2019
Evidenčné číslo projektu: APVV-14-0556
Organizácia je áno
koordinátorom projektu:
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských 0
inštitúcií:
Čerpané financie: APVV: 52155 €

Dosiahnuté výsledky:

Príloha C

Publikačná činnosť organizácie (generovaná z ARL)

AAA Vedecké monografie vydané v zahraničných vydavateľstvách

- AAA01 AESCHT, Erna - ASPÖCK, Ulrike - BAUERNFEIND, Ernst - & 51 ĎALŠÍCH AUTOROV, v abecednom poriadku... - ŠPORKA, Ferdinand - & 9 ĎALŠÍCH AUTOROV, v abecednom poriadku - ZETTEL, Herbert - ZITTRA, Carina - ZWICK, Peter. Fauna Aquatica Austriaca : A Comprehensive Species Inventory of Austrian Aquatic Organisms with Ecological Notes. Moog Otto, Hartmann Anne (eds.). 3rd ed. 2017. 92 pp. Preložené pod názvom: Wien : Federal Ministry of Agriculture, Forestry, Environment and Water Management, Directorate IV/3. ISBN 978-3-85174-074-5.

ABA Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v zahraničných vydavateľstvách

- ABA01 MAŠÁN, Peter. A revision of the family Ameroseiidae (Acari, Mesostigmata), with some data on Slovak fauna. In Zookeys : Monograph, 2017, vol. 704, p. 1-228. (1.031 - IF2016). (2017 - Current Contents). ISSN 1313-2989.(VEGA 2/0091/14 : Taxonómia, ekológia a chorológia arborikolných roztočov (Acari: Mesostigmata) žijúcich vo vzťahu s drevokazným hmyzom a hubami v podmienkach Slovenska.).

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 BUČEKOVÁ, Marcela - VALACHOVÁ, Ivana - MAJTÁN, Juraj. Enzým glukózo oxidáza - kľúčový faktor podmieňujúci antibakteriálne vlastnosti včelieho medu a jeho úloha v ochrane včelstva. In Ekologie chovu včel. - Nakladatelství Pavel Mervart, 2016, s. 97-115. ISBN 978-80-7465-215-8.
- ABC02 PROKOP, Pavol - RANDLER, Christoph. Biological Predispositions and Individual Differences in Human Attitudes Toward Animals. In Ethnozoology: Animals in Our Lives.- London, GB : Elsevier AP, chapter 23, p. 447-466. ISBN 978-0-12-809913-1.

ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách

- ACB01 ANTOLOVÁ, Daniela - BADALÍK, Ladislav - BAKOSS, P. - BAŠKA, Tibor - BUCHVALD, J. - ČATÁR, Gustáv - ČISLÁKOVÁ, L. - DUBINSKÝ, Pavol - GURYČOVÁ, Darina - JALILI, N.A. - JAREKOVÁ, J. - HUDEČKOVÁ, Henrieta - KMEŤOVÁ, Marta - KOCIANOVÁ, Elena - KRIŠTÚFKOVÁ, Zuzana - LABUDA, Milan - MAĐAR, Rastislav - MACHÁČOVÁ, E. - MIKAS, J. - MITROVÁ, Eva - SOLOVIČ, I. - STRAKA, Štefan - ŠTEFKOVIČOVÁ, Mária - ŠPALEKOVÁ, M. - VOLLEKOVÁ, Anna - VÝROSTEKOVÁ, V. Špeciálna epidemiológia. Sylvia Bazovská (ed.) Špliňo Miroslav, Schréter Miroslav (rec.). 2. doplnené a aktualizované vydanie. Bratislava : Univerzita Komenského v Bratislave, 2017. 366s. ISBN 978-80-223-4179-0.
- ACB02 BERACKO, Pavel - BULÁNKOVÁ, Eva - ČEJKA, Tomáš - ČIAMPOR, Fedor, ml. - ČIAMPOROVÁ-ZAŤOVIČOVÁ, Zuzana - DERKA, Tomáš - KOKAVEC, Igor - KRNO, Il'ja - REDUCIENDO-KLEMENTOVÁ, Barbora - ROGÁNSKA, Alexandra - RÚFUSOVÁ, Andrea - SVITOK, Marek - ŠPORKA, Ferdinand. Bentické bezstavovce a ich biotopy. Editori Rúfusová Andrea, Beracko Pavel, Bulánková Eva. Bratislava : Univerzita Komenského v Bratislave, 2017. 161 s. ISBN 978-80-223-4461-6.

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

- ADCA01 BARÁKOVÁ, Ivana - DERDÁKOVÁ, Markéta - SELYEMOVÁ, Diana - CHVOSTÁČ, Michal - ŠPITÁLSKA, Eva - ROSSO, Fausta - COLLINI, Margherita - ROSÀ, Roberto - TAGLIAPIETRA, V. - GIRARDI, Mateo - RAMPONI, Claudio - HAUFFE, H.C. - RIZZOLI, Annapaola. Tick-borne pathogens and their reservoir hosts in northern Italy. In Ticks and Tick-Borne Diseases, 2017, (3.230 - IF2016). (2017 - Current Contents). ISSN 1877-959X.
- ADCA02 BEDNÁR, Branislav - ROLLER, Ladislav - ČIŽMÁR, Daniel - MITROVÁ, Diana - ŽITŇAN, Dušan. Developmental and sex-specific differences in expression of neuropeptides derived from allatotropin gene in the silkworm *Bombyx mori*. In Cell and Tissue Research, 2017, vol. 368, no. 2, p. 259-275 17 pp. (2.787 - IF2016). (2017 - Current Contents). ISSN 0302-766X.(Vega č 2/0121/13 : Identifikácia a expresia neuropeptidov v priadke morušovej (*Bombyx mori*). APVV-0827-11 : Využitie transgénnych postupov pri funkčnej analýze neuropeptidov a ich receptorov regulujúcich správanie a vývin hmyzu. APVV-14-0556 : Funkcia neuropeptidov and ich receptorov pri regulácii prenosu patogénov z kliešťov na hostiteľ'a).
- ADCA03 BUČEKOVÁ, Marcela - SOJKA, Martin - VALACHOVÁ, Ivana - MARTINOTTI, S. - RANZATO, E. - SZEPE, Z. - MAJTAN, V. - KLAUDINY, Jaroslav - MAJTÁN, Juraj. Bee-derived antibacterial peptide, defensin-1, promotes wound re-epithelialisation in vitro and in vivo. In Scientific Reports, 2017, vol. 7, no. 1, 7340. (4.259 - IF2016). (2017 - Current Contents). ISSN 2045-2322.
- ADCA04 DANIŠOVÁ, O. - VALENČÁKOVÁ, A. - STANKO, Michal - LUPTÁKOVÁ, L. - HATALOVÁ, E. - ČANÁDY, Alexander. Rodents as a reservoir of infection caused by multiple zoonotic species/genotypes of *C. parvum*, *C. hominis*, *C. suis*, *C. scrofarum*, and the first evidence of *C. muskrat* genotypes I and II of rodents in Europe. In Acta Tropica, 2017, vol. 172, p. 29-35. (2.218 - IF2016). (2017 - Current Contents). ISSN 0001-706X.(Vega č. 1/0063/13 : DNA analýza a genotypové spektrum medicínsky významných agens oportúnnych parazitóz. APVV-14-0274 : Drobné cicavce ako potenciálny zdroj zoonotických baktérií a rezistencie na antibiotiká).
- ADCA05 DIDYK, Yu. M. - BLAŇAROVÁ, Lucia - POGREBNIÁK, S.G. - AKIMOV, I. - PEŤKO, Branislav - VÍCHOVÁ, Bronislava. Emergence of tick-borne pathogens (*Borrelia burgdorferi sensu lato*, *Anaplasma phagocytophilum*, *Rickettsia raoultii* and *Babesia microti*) in the Kyiv urban parks, Ukraine. In Ticks and Tick-Borne Diseases, 2017, vol. 8, no. 2, p. 219–225. (3.230 - IF2016). (2017 - Current Contents). ISSN 1877-959X.(ITMS 26220120022 : Centre of Excellence for Parasitology. Vega č. 2/0113/12 : Babezióza na Slovensku).
- ADCA06 DOUDOUMIS, Vangelis - BLOW, Frances - SARIDAKI, Aggeliki - AUGUSTINOS, Antonios A. - DYER, Naomi A. - GOODHEAD, Ian - SOLANO, Philippe - RAYAISSÉ, Jean Baptiste - TAKÁČ, Peter - MEKONNEN, Solomon - PARKER, Andrew Gordon - ABD-ALLA, Adly M. M. - DARBY, Alistair Charles - BOURTZIS, Kostas - TSIAMIS, George. Challenging the Wigglesworthia, Sodalis, Wolbachia symbiosis dogma in tsetse flies: *Spiroplasma* is present in both laboratory and natural populations. In Scientific Reports, 2017, vol. 7, iss. 1., article no. 4699. 13 pp. (4.259 - IF2016). (2017 - Current Contents). ISSN 2045-2322.(Projekt: APW-15-0604 : Zníženie plodností a kontrola trypanozomiáz bodaviek tsetse aplikáciou metód sterility a molekulárnych metód.,).
- ADCA07 HAMŠÍKOVÁ, Z. - COIPAN, C. - MAHRÍKOVÁ, Lenka - MINICHOVÁ, Lenka - SPRONG, H. - KAZIMÍROVÁ, Mária. *Borrelia miyamotoi* and Co-Infection with *Borrelia afzelii* in *Ixodes ricinus* Ticks and Rodents from Slovakia. In Microbial Ecology, 2017, vol. 73, no. 4, p. 1000-1008. (3.630 - IF2016). (2017 - Current Contents). ISSN 0095-3628.(FP7-261504 EDENext : Biology and Control of Vector-borne Infections in Europe).

- ADCA08 HOI, Herbert - DAROLOVÁ, Alžbeta - KRIŠTOFÍK, Ján - HOI, Christine. The effect of the ectoparasite *Carnus hemapterus* on immune defence, condition, and health of nestling European Bee-eaters. In *Journal of Ornithology*, 2017, vol. _ iss._, 12 pp. (1.468 - IF2016). (2017 - Current Contents). ISSN 0021-8375.
- ADCA09 HRÚZOVÁ, Kamila - MAŠÁN, Peter - FENĎA, Peter. A revision of the genus *Anadenosternum* Athias-Henriot (Acari: Mesostigmata: Parasitidae). In *ZOOTAXA*, 2017, vol. 4324, no. 3, p. 436-450. (0.972 - IF2016). (2017 - Current Contents). ISSN 1175-5334.
- ADCA10 IYER, Janaki Krishnamoorthy - KOH, C.Y. - KAZIMÍROVÁ, Mária - ROLLER, Ladislav - JOBICHEN, Chacko - SWAMINATHAN, Kunchithapadam - MIZUGUCHI, Jun - IWANAGA, Sadaaki - NUTTALL, Patricia A. - CHAN, Mark Y. - KINI, R.M. Avathrin: a novel thrombin inhibitor derived from a multi-copy precursor in the salivary glands of the ixodid tick, *Amblyomma variegatum*. In *Faseb Journal : official publication of the Federation of American Societies for Experimental Biology*, 2017, vol. 31, no. 7, p. 2981-2995. (5.498 - IF2016). (2017 - Current Contents). ISSN 0892-6638.(ITMS: 26240220044 (DEVAK) : Prenos poznatkov a technológií získaných výskumom a vývojom do praxe v Bratislavskom kraji).
- ADCA11 KAUTMANOVÁ, Ivona - KAUTMAN, Václav - SEMELBAUER, Marek - KOZÁNEK, Milan. *Polycephalomycetes onorei* Kautman & Kautmanova. In *Persoonia*, 2017, vol. 38, p.366-367. (7.511-IF2016). (2017- Current Contents). ISSN 0031-5850.
- ADCA12 KOCIANOVÁ, Elena - RUSŇÁKOVÁ - TARAGELOVÁ, Veronika - HARUŠTIAKOVÁ, Danko - ŠPITÁLSKA, Eva. Seasonal infestation of birds with immature stages of *Ixodes ricinus* and *Ixodes arboricola*. In *Ticks and Tick-Borne Diseases*, 2017, vol. 8, no. 3, p. 423-431. (3.230 - IF2016). (2017 - Current Contents). ISSN 1877-959X.(VEGA 2/0142/10 : Význam ektoparazitických článkonožcov (roztocov a kliešťov) v cirkulácii intracelulárnych proteobaktérii (rickettsie, anaplasmy, Francisella tularensis) v prírodných ohniskách nákaz.. VEGA no. 2/0068/17 : Patogény a endosymbionty ako zložky prirodzeného prostredia krv cicajúcich ektoparazitov).
- ADCA13 MARGOS, G. - MAROSEVIC, D. - CUTLER, S. - DERDÁKOVÁ, Markéta - DIUK-WASSER, M. - EMLER, S. - FISH, D. - GRAY, J. - HUNFELDT, K. P. - JAULHAC, B. - KAHL, O. - KOVALEV, S.A. - KRAICZY, P. - LANE, R. S. - LIENHARD, R. - LINDGREN, P. E. - OGDEN, N. - ORNSTEIN, K. - RUPPRECHT, T. - SCHWARTZ, i. - SING, A. - STRAUBINGER, R. K. - STRLE, F. - VOORDOUW, M. - RIZZOLI, Annapaola - STEVENSON, B. - FINGERLE, V. There is inadequate evidence to support the division of the genus *Borrelia*. In *International journal of systematic and evolutionary microbiology*, 2017, vol. 67, p. 1081–1084. (2.134 - IF2016). (2017 - Current Contents). ISSN 1466-5026.
- ADCA14 MAŠÁN, Peter. Four new species of the subgenus *Pachylaelaps* (*Longipachylaelaps*) from Italy, with a new identification key to the known species (Acari: *Pachylaelapidae*). In *ZOOTAXA*, 2017, vol. 4236, no. 1, p. 95-117. (0.972 - IF2016). (2017 - Current Contents). ISSN 1175-5334.
- ADCA15 MAŠÁN, Peter. Two new species of the genus *Pseudolaelaps* Berlese, 1916 (Acari: Mesostigmata: *Pseudolaelapidae*) from Europe, with an updated key to known species. In *Journal of Natural History*, 2017, vol. 51, iss. 21-22, p. 1183-1195. (0.834 - IF2016). (2017 - Current Contents). ISSN 0022-2933.
- ADCA16 PROKOP, Pavol - FANČOVIČOVÁ, Jana. The effect of hands-on activities on children's knowledge and disgust for animals. In *Journal of Biological Education*, 2017, vol. 51, no. 3, p. 305-314. (0.946 - IF2016). (2017 - Current Contents). ISSN 0021-9266.(VEGA 1/0104/16 : Fenotypová variabilita v primárnej fáze introdukcie alochtónnych fytopatogénnych Thysanoptera ako kľúčový problém optimalizácie online RIS (remote identification systems) modulov vo fytošanitárnej praxi).

- ADCA17 PROKOP, Pavol - SEMELBAUER, Marek. Biometrical and behavioural associations with offering nuptial gifts by males in the spider *Pisaura mirabilis*. In *Animal Behaviour*, 2017, vol. 129, p. 189-196. (2.869 - IF2016). (2017 - Current Contents). ISSN 0003-3472.(VEGA 1/0104/16 : Fenotypová variabilita v primárnej fáze introdukcie alochtónnych fytopatogénnych Thysanoptera ako kľúčový problém optimalizácie online RIS (remote identification systems) modulov vo fytoosanitarnej praxi).
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23. [1.2] TONTERI, E., JOKELAINEN, P., MATALA, J., PUSENIUS, J., VAPALAHTI, O. *Serological evidence of tick-borne encephalitis virus infection in moose and deer in Finland: Sentinels for virus circulation*(2016) *Parasites and Vectors*, 9 (1), art. no. 54, DOI:10.1186/s13071-016-1335-6, SCOPUS
24. [1.2] WÓJCIK-FATLA, A., ZAJĄC, V., SAWCZYN, A., SROKA, J., CISAK, E., DUTKIEWICZ, J. *Infections and mixed infections with the selected species of Borrelia burgdorferi sensu lato complex in Ixodes ricinus ticks collected in eastern Poland: a significant increase in the course of 5 years* (2016) *Experimental and Applied Acarology*, 68 (2), pp. 197-212. DOI: 10.1007/s10493-015-9990-4, SCOPUS
25. [3.1] GASSNERF., HANSFORD K.M., MEDLOCK J.M.. *Greener cities, a wild card for ticks?*, pp. 187-203. In: M.A.H. Braks, S.E. van Wieren, W.Takken, H. Sprong (editors), *Ecology and Control of Vector-borne diseases, Volume 4: Ecology and prevention of Lyme borreliosis*, 2016, 462 pp. eISBN: 978-90-8686-838-4 | ISBN: 978-90-8686-293-1
26. [3.1] HOFMEESTER TR. *The role of host diversity in Borrelia burgdorferi s.l. dynamics*, pp. 173-186. In: M.A.H. Braks, S.E. van Wieren, W.Takken, H. Sprong (editors), *Ecology and Control of Vector-borne diseases, Volume 4: Ecology and prevention of Lyme borreliosis*, 2016, 462 pp. eISBN: 978-90-8686-838-4 | ISBN: 978-90-8686-293-1
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28. [3.1] MJØNES. Caroline Skar. *Developing a Molecular Approach to Determine the Last Blood Meal in Ticks*. Master Thesis. Department of Bioscience. The Faculty of Mathematics and Natural Sciences, UNIVERSITY OF OSLO, June 2016. 53 pp. / <https://www.duo.uio.no/bitstream/handle/10852/52617/CarolineSkarMjonesMasterThesis.pdf?sequence=8&isAllowed=y>
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31. [3.1] WALLMÉNUS K. *Studies of Spotted Fever Rickettsia-Distribution, Detection, Diagnosis and Clinical Context*. Comprehensive Summaries of Uppsala Dissertations from the Faculty of Medicine 1195. 77 pp. Uppsala: Acta Universitatis Upsaliensis. ISBN 978-91-554-9512-1. 2016 - uu.diva-portal.org
32. [3.2] БОЛЕЦЬКА, Т.О. *Зміни інтегральних гематологічних індексів у осіб з групи ризику щодо Лайм-бореліозу в залежності від серологічної*

- ідентифікації [Текст] / Т.О. Болецька // Журнал клінічних та експериментальних медичних досліджень. - 2016. - Т. 4, № 1. - С. 153-160.*
- ADMB04 RUSSELL, P. - ŽITŇAN, Dušan - MAJOR, V. Confirmation of the presence of *Melitaea ornata* Christoph, 1893 (Lepidoptera: Nymphalidae) in Macedonia (FYROM) and its host-plants. In *Entomologists Gazette*, 2015, vol. 66, iss.1, pp. 13-24. ISSN 0013-8894.
- Citácie:
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ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADNA01 BOHÁČ, Martin - ČAMBÁL, M. - ZAMBORSKÝ, Radoslav - TAKÁČ, Peter - FEDELEŠ, J. Maggot therapy in treatment of a complex hand injury complicated by mycotic infection. In *Bratislava Medical Journal*, 2015, vol. 116, iss. 11, p. 671–673. (0.439 - IF2014). ISSN 0006-9248. (Projekt: ITMS 26240220030 : Výskum a vývoj nových bioterapeutických metód pri liečbe niektorých závažných ochorení).
- Citácie:
1. [3.2] SUN Xiaohong, YIN Anchun, SHA Lijuan, LI Lianhong, XING Aizuo (2016) [yi yong wu gu chong sheng wu qing chuang bao zhi liao 1 li tang niao bing zu bu kui yang de hu li ti hui.] *NURSING AND REHABILITATION JOURNAL* Issue 5, Page 503-505. DOI:10.3969/j.issn.1671-9875.2016.05.037
- ADNA02 NECHVÁTAL, Pavol - TAKÁČ, Peter - STEHLÍKOVÁ, Beáta. Effect of spa therapy after intervertebral disc surgery in the cervical spine. In *Bratislava Medical Journal*, 2014, vol. 115, iss. 4, p. 238-242. (0.446 - IF2013). ISSN 0006-9248.
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2. [1.2] NECHVÁTAL, Pavol - KENDROVÁ, Lucia - KURIPLACHOVÁ, Gabriela - CICHOLESOVÁ, Tatiana - BAČOVÁ, Ivana. *Movement activity and sport for patients after cervical discectomy*. In *Hrvatska Revija Za Rehabilitacijska Istrazivanja*. ISSN 13313010, 2015-01-01, 51, 1, pp. 71-76., SCOPUS

AECA Vedecké práce v zahraničných recenzovaných zborníkoch a kratšie kapitoly/state v zahraničných vedeckých monografiách alebo VŠ učebniciach

- AECA01 ADAMS, A. E. - KIM, Y. J. - PARK, Yoonseong - ŽITŇAN, Dušan. Developmental Peptides: ETH, Corazonin, and PTTH. In *Handbook of Biologically Active Peptides* (Second Edition). - Elsevier Inc, 2013, 2013, chapter 33, p. 222-228. ISBN 978-0-12-385095-9.
- Citácie:
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- AECA02 ŠUSTEK, Zbyšek. Biocorridors, theory and practice. In Key Concepts in Landscape Ecology : Proceedings of the 1998 European Congress of the International Association for Landscape Ecology (IALE). - Myerscough College, 1998., p. 281-296.
Citácie:
1. [1.1] *VEČEŘA, M., ČULEK, M. & ŠLACH, T., 2016: Dispersal function of recently planted biocorridors. In: Lnenicka, L. (Ed.): Conference: 23rd Central European Conference on Central Europe Area in View of Current Geography Location: Brno, Oct. 08-09, 2015, Central Europe area in view of current geography, p: 191-201., WOS*
- AECA03 ŠUSTEK, Zbyšek. Windbreaks as migration corridors for carabids in an agricultural landscape. In Carabid beetles, Ecology and Evolution. - Holandsko : Kluwer, 1994, s. 377-382.
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***AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách**

- AED01 KRIŠTÍN, Anton - DANKO, Štefan - DAROLOVÁ, Alžbeta - KOCIAN, Ľ. - KROPIL, R. - MURÍN, B. - STOLLMANN, Andrej - URBAN, Peter. Červený zoznam a eksozologický status vtákov (Aves) Slovenska. In Ochrana prírody. 16. Zost. Daniel Baláž. - Banská Bystrica : Slovenská agentúra životného prostredia, Centrum ochrany prírody a krajiny, 1998, s. 219-232. ISBN 80-88850-18-5.
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- AED02 ROLLER, Ladislav. Hrubopáse blanokrídlovce (Hymenoptera, Symphyta) ostrova Kopáč. In Príroda ostrova Kopáč. Oto Majzlan a kol. - Bratislava : Fytoterapia OZ pri Pedagogickej fakulte UK Bratislava, 2007, s. 197-206. ISBN 978-80-969718-7-9.
Citácie:
1. [3.2] *EDMUNDS Rob 2016. Parna apicalis (Brischke, 1888) and Hinatara recta (G.C Thomson, 1871) (Symphyta: Tenthredinidae) in Hungary. NATURA SOMOGYIENSIS 28, p. 17-22 Kaposvár, 2016*

AEDA Vedecké práce v domácich recenzovaných zborníkoch, kratšie kapitoly/state v domácich monografiách alebo VŠ učebniciach

- AEDA01 SMETANA, Vladimír - ŠIMA, P. - BOGUSCH, Petr - ERHART, Jan - HOLÝ, Kamil - MACEK, J. - ROLLER, Ladislav - STRAKA, Jakub. Blanokrídlovce (Hymenoptera) na vybraných lokalitách v okolí Levíc a Kremnice. : Hymenoptera of the selected localities in the environs of Levice and Kremnica towns. (Abstract). Lukáš Jozef (recenzent). In Acta Musei Tekovensis Levice. X. - Levice : Tekovské múzeum v Leviciach, 2015, 2015, ročník X., str. 44 – 68. ISBN 978-80-88831-17-4.
Citácie:
1. [1.2] *HARIS Attila 2016. Hymenoptera research in the Carpathian Basin (Hymenoptera: aculeata). In: Levante A. (ed. in chief) NATURA SOMOGYIENSIS 29. 247 pp. ISSN 1587-1908. Kaposvár 2016., SCOPUS*
2. [3.1] *PŘÍDAL Antonín 2016, Up-dated checklist of Apoidea (bees) of the Czech*

*Republic and Slovakia. Mendel University in Brno , Section of Apidology.
<http://mendelu.apridal.cz/beelist/>*

AFG Abstrakty príspevkov zo zahraničných konferencií

- AFG01 ŠUSTEK, Zbyšek. Využitie Zlatníkovej geobiocenologickej klasifikácie pri štúdiu rozšírenia bystruškovitých (Coleoptera, Carabidae). Geobiocenologický výskum lesů a aplikace poznatků. In Sborník referátů ze sympózia k 90. výročí narození prof. Aloise Zlatníka. - Brno, CZ, 1993, 1993, p. 59-63.
Citácie:
1. [1.2] MAZÁČ, D., 2016: The first contribution to the fauna of psocids (Insecta: Psocoptera) in forests in the Dražanská vrchovina Hills (Czech Republic). Journal of forest science, 62 (5): 211–222., SCOPUS
- AFG02 VRŠANSKÝ, Peter - QUICKE, D.L.J., - BASIBUYUK, H. H. - FITTON, M.G. - ROSS, A. - RASNITSYN, A. P. - VIDLIČKA, Ľubomír. The oldest insect sensillae. In First Paleontological Conference, Abstracts. - Moscow, Russia, 1998, p. 44.
Citácie:
1. [1.1] GAO T, SHIH C, LABANDEIRA CC, SANTIAGO-BLAY JA, YAO Y, REN D. 2016 Convergent evolution of ramified antennae in insect lineages from the Early Cretaceous of Northeastern China. Proc. R. Soc. B 283: 20161448. <http://dx.doi.org/10.1098/rspb.2016.1448> (Proceedings of the Royal Society B), WOS

AGI Správy o vyriešených vedeckovýskumných úlohách

- AGI01 MAJZLAN, Oto - VIDLIČKA, Ľubomír. Fenológia pôdných bezstavovcov na troch plochách v podmienkach Vysokých Tatier. : Pokalamitný výskum v TANAP-e, 2008. Bratislava : Geofyzikálny ústav SAV ; Výskumná stanica TANAP-u, Štátne lesy TANAP-u.
Citácie:
1. [4.1] JÁSZAY, T., HLAVÁČ, P. 2016. Zoznam drobkovitých chrobákov Slovenska (Insecta: Coleoptera: Staphylinidae). Folia Faunistica Slovaca, 21(2): 113-216.

BBB Kapitoly v odborných knižných publikáciách vydané v domácich vydavateľstvách

- BBB01 VIDLIČKA, Ľubomír. Článkonožce Arthropods. In AMBRÓZ, Leonard et al. Atlas druhov európskeho významu pre územia NATURA 2000 na Slovensku. 1. vyd. - Liptovský Mikuláš ; Bratislava : Slovenské múzeum ochrany prírody a jaskyniarstva : Slovart, 2011, 2011, p. 138 - 233. ISBN 978-80-556-0220-2.
Citácie:
1. [4.1] PIŠÚT, P., PROCHÁZKA, J., MATEČNÝ, I., BANDURA, P. 2016 Vývoj koryta Váhu pri Leopoldove v 17. – 20. storočí a odozva rieky na zásahy človeka. Univerzita Komenského v Bratislave, Bratislava, 272 s. ISBN 978-80-223-4107-3

DAI Dizertačné a habilitačné práce

- DAI01 ROLLER, Ladislav. Spoločenstvá hrubopásych (Hymenoptera: Symphyta) vybraných zoogeografických regiónov Slovenska. Bratislava : Ústav zoológie SAV, 1999. S. 180. dizertačná práca.

Citácie:

1. [3.2] EDMUNDS Rob 2016. *Parna apicalis* (Brischke, 1888) and *Hinatara recta* (G.C Thomson, 1871) (Symphyta: Tenthredinidae) in Hungary. *NATURA SOMOGYIENSIS* 28, p. 17-22 Kaposvár, 2016

GHG Práce zverejnené spôsobom umožňujúcim hromadný prístup

- GHG01 HORSÁK, Michal - ČEJKA, Tomáš - JUŘIČKOVÁ, Lucie - BERAN, Luboš - HORÁČKOVÁ, Jitka - HLAVÁČ, Jaroslav Č. - DVORÁK, Libor - HÁJEK, Ondřej - MAŇAS, Michal - LOŽEK, Vojen. Check-list and distribution maps of the molluscs of the Czech and Slovak Republics. In *Malacologica Bohemoslovaca* : Sborník o měkkýších střední Evropy, <http://mollusca.sav.sk/malacology/checklist.htm>. ISSN 1336-6939.

Citácie:

1. [1.2] FORSYTH Robert G., Oldham Michael J. 2016. *Terrestrial molluscs from the Ontario Far North. CHECK LIST , the journal of biodiversity data. Vol 12, No 3: 1881 (2016), DOI: ISSN:1809-127X, <http://dx.doi.org/10.15560/12.3.1881>, SCOPUS*

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

Mgr. Marek Semelbauer, PhD.

Názov semestr. predmetu: Ekologické princípy ochrany prírody

Počet hodín za semester: 4

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra ekológie

Mgr. Marek Semelbauer, PhD.

Názov semestr. predmetu: Krajina a biodiverzita

Počet hodín za semester: 1

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Ústav laboratórneho výskumu geomateriálov

Mgr. Radovan Václav, PhD.

Názov semestr. predmetu: Evolučná ekológia

Počet hodín za semester: 24

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra ekológie

Semestrálne cvičenia:

Mgr. Zuzana Gáliková

Názov semestr. predmetu: Cvičenie z molekulárnej biológie

Počet hodín za semester: 26

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra molekulárnej biológie

Mgr. Dominika Hromníková

Názov semestr. predmetu: Cvičenia z molekulárnej biológie

Počet hodín za semester: 26

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Molekulárna biológia

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Genetika 2 - Modelové organizmy

Počet hodín za semester: 2

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra Genetiky

Semináre:

Terénne cvičenia:

Mgr. Barbara Mangová, PhD.

Názov semestr. predmetu: terénne práce z ekológie - pôdna zoológia

Počet hodín za semester: 40

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, katedra ekológie

Individuálne prednášky:

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Genetika 2 - Modelové organizmy

Počet hodín za semester: 3

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra Genetiky

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Genetika správania hmyzu

Počet hodín za semester: 3

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra Genetiky

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Identification and function of neuroendocrine networks in ticks

Počet hodín za semester: 1

Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Fakulta chemickej a potravinárskej technológie

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Využitie hmyzu a kliešťov pri štúdiu neuroendokrinných pochodov regulujúcich vývin a správanie

Počet hodín za semester: 2

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra Molekulárnej biológie

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Využitie hmyzu a kliešťov pri štúdiu neuroendokrinných pochodov regulujúcich vývin a správanie

Počet hodín za semester: 2

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra Biochémie

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Využitie hmyzu pri štúdiu vývinu, fyziologických pochodov a správania

Počet hodín za semester: 2

Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra Genetiky

Príloha E**Medzinárodná mobilita organizácie****(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:**

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Španielsko					Radovan Václav	22
Počet spolu					1	22

(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Česko					MVDr. Tomáš Najer	30
Nemecko					Alexander Schubert	2
					Dr. Mareike Selcho	2
					Dr. Christian Wegener	2
Španielsko					Dr. Francisco Valera	9
Veľká Británia					Dr. Neil Audsley	3
Počet spolu					6	48

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Austrália	TTP9-APRC1	Mária Kazimírová	11
Belgicko	2nd ENSaABD	Mária Kazimírová	3
Česko	9th CEDC	Marek Semelbauer	3
	Ekologie 217	Marek Semelbauer	3
Japonsko	3 IHH & 21 EW	Dušan Žitňan	7
Litva	ICSB	Yuliya Didyk	3
		Michal Chvostáč	3
		Jasna Kraljik	3
		Tatiana Vaculová	3
Nemecko	Insecta 2017	Barbara Mangová	2
		Peter Takáč	2
Poľsko	BWAS	Barbara Mangová	2
		Marek Semelbauer	2
Rakúsko	ITPD 2017	Markéta Derdáková	3
Španielsko	7th SOVE	Mária Kazimírová	8
Tanzánia	4th EVRTI	Peter Takáč	5
Spolu		11	16
			63

Vysvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

2nd ENSaABD - Meeting of the “Second meeting of the European network on skin and arthropod borne diseases”
3 IIH & 21 EW - Identification and function of neuroendocrine networks in ticks. The 3rd International Insect Hormone and the 21st Ecdysone Workshop
4th EVRTI - 4th researcher co-ordination meeting “Enhancing Vector Refractoriness to Trypanosome Infection”
7th SOVE - 7th International Congress of the Society for Vector Ecology
9th CEDC - The 9th Central European Dipterological Conference
BWAS - Biotechnology and Welfare in Animal Sciences
Ekologie 217 - Ekologie 2017
ICSB - International Conference "Smart Bio"
Insecta 2017 - Insecta 2017
ITPD 2017 - International Symposium on Tick-Borne Pathogens and Disease
TTP9-APRC1 - 9th Tick and Tick-borne Pathogen Conference / 1st Asia Pacific Rickettsia Conference

Príloha F**Vedecko-popularizačná činnosť pracovníkov organizácie SAV**

Meno	Spoluautori	Typ¹	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Mgr. Matej Kautman		RO	prezentácie v rámci projektu Noc Výskumníkov - Veda v osade	RTVS	29.9.2017
RNDr. Mária Kazimírová, CSc.	Iveta Štibrániová, Pavlína Bartíková	RO	Kliešte môžu byť aj užitočné, rozhovor pre Rádio Regina západ: Veda a poznanie	http://reginazapad.rtv.s.k/clanky/veda-a-poznanie/143270/klies-te-mozu-byt-aj-uzitocne	19.9.2017
Mgr. Barbara Mangová, PhD.		PB	prednáška pre deti prvého stupňa ZŠ - článkonožce	Ateliér les, Ateliér Les, Pri Suchom mlyne 33, 811 04 Bratislava	9.6.2017
Mgr. Barbara Mangová, PhD.		PB	prednáška pre deti predškolského veku - článkonožce (pavúkovce, hmyz)	Ateliér les, Ateliér Les, Pri Suchom mlyne 33, 811 04 Bratislava	15.6.2017
Mgr. Barbara Mangová, PhD.		PB	prednáška pre deti predškolského veku - článkonožce (pavúkovce, hmyz)	Lesný klub Slnko, Kramáre, Bratislava	12.5.2017
Mgr. Barbara Mangová, PhD.		PB	prednáška pre deti prvého stupňa ZŠ - článkonožce (pavúkovce, hmyz)	Lesný klub Gaštanko, Ulica Knižkova dolina, Rača, Bratislava	29.6.2017
Mgr. Barbara Mangová, PhD.		TL	rozhovor pre médiá	Život - časopis	11.3.2017
Ing. Ladislav Roller, PhD.		RO	Nočná pyramída - rozhovor o entomológii a vedeckej práci	RTVS Slovensko 1	4.7.2017
Mgr. Marek Semelbauer, PhD.		RO	Kratky rozhovor na temu vymieranie hmyzu	Rádio Expres	12.10.2017
Mgr. Marek Semelbauer, PhD.		IN	Rozhovor na temu opelovace v meste	http://ciernalabut.sk/	11.10.2017
Mgr. Marek Semelbauer, PhD.		TV	Rozhovor na temu vymieranie hmyzu	TV JOJ	15.10.2017
Mgr. Marek Semelbauer, PhD.	Karol Kaliský, Pavol Mered'a	PB	Beseda pri premíerani filmu Pribeh lesa	CVTI, Bratislava	31.5.2017
Ing. Zbyšek Šustek, CSc.		RO	Hmyz a jeho zastúpenie v Slovenskej prírode	RTVS Radio Slovakia international, francúzska redakcia	28.9.2017
Ing. Zbyšek Šustek, CSc.		RO	Les Insects et commerce	RTVS Radio Slovakia international, francúzska redakcie	13.10.2017
Ing. Zbyšek Šustek, CSc.		RO	Nommez l'insecte dont la population était tr?s importante sur le territoire slovaque autrefois mais qui est devenu aujourd'hui rare au point d'avoir pratiquement disparu.	RTVS Radio Slovakia international, francúzska redakcia	7.10.2017

Ing. Zbyšek Šustek, CSc.		iné	Recenzia a anotácia knihy K. P. Liessmanna - Hodina duchov, prax nevzdelanosti, polemický spis	Slovenské národné noviny	20.5.2017
Ing. Zbyšek Šustek, CSc.		TL	Rozhovor o vplyve búrok a prechode frontálnych systémov na správanie sa a aktivitu živočíchov	denník SME	28.7.2017
Ing. Zbyšek Šustek, CSc.		TV	Úloha lýkožrútov v lesných ekosystémoch vo Vysokých Tatrách	Televízia JOJ	17.9.2017
Ing. Zbyšek Šustek, CSc.		TV	Vystúpenie o rozklade polyetylénu húsenicami Galleria mellonella	Joj	28.4.2017
Mgr. Radovan Václav, PhD.		PB	Významné adaptácie živočíchov - Superškola SAV v Petržalke	ZŠ Pankúchova	12.4.2017
Mgr. Radovan Václav, PhD.		PB	Významné adaptácie živočíchov - Superškola SAV v Petržalke	ZŠ Prokofievova	12.4.2017
Mgr. Radovan Václav, PhD.		RO	Z prvej ruky - Vtáčia chrípka	RTVS - Rádio Slovensko	9.1.2017
Mgr. Radovan Václav, PhD.	Ján Krempaský	TL	spolupráca na príprave článku "Taká dlhá a zasnežená zima je koncom apríla výnimočná"	denník SME	21.4.2017
doc. RNDr. Ľubomír Vidlička, CSc.		TV	Nový druh jaskynného šváby	JOJ - TV noviny	10.3.2017
doc. RNDr. Ľubomír Vidlička, CSc.		TV	Nový druh jaskynného šváby	Markíza - TV noviny	13.3.2017
doc. RNDr. Ľubomír Vidlička, CSc.		TL	Rozhovor o entomológii pre časopis Téma	časopis Téma	15.11.2017
doc. RNDr. Ľubomír Vidlička, CSc.		PB	Za hmyzom do Ekvádoru	Kultúrno-spoločenské centrum Bučany	17.2.2017
doc. RNDr. Ľubomír Vidlička, CSc.	Dávid Vido	TV	Biodegradácia plastov húsenicami motýľov	TV Markíza	27.4.2017
doc. RNDr. Ľubomír Vidlička, CSc.	Lenka Dzobová	RO	Vedci objavili švába s helmou	RTVS - Rádio Slovensko	20.3.2017
doc. RNDr. Ľubomír Vidlička, CSc.	Ľubomíra Golierová	RO	Mýty o všiach	RTVS - Rádio Slovensko	15.9.2017
RNDr. Dušan Žitňan, DrSc.		TL	Medvede neublížia, nebezpečné sú kliešte	SME	5.5.2017
RNDr. Dušan Žitňan, DrSc.		RO	Nočná pyramída	Rádio Slovensko Mýtna 1, 817 55 Bratislava	23.1.2017

¹ PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédia, DO - dokumentárny film