

Ústav zoológie SAV



**Správa o činnosti organizácie SAV
za rok 2014**

Bratislava
január 2015

Obsah osnovy Správy o činnosti organizácie SAV za rok 2014

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1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Ústav zoológie SAV

Riaditeľ: RNDr. Milan Kozánek, CSc.

Zástupca riaditeľa: RNDr. Stanislav Kalúz, CSc.

Vedecký tajomník: Ing. Juraj Majtán, PhD.

Predseda vedeckej rady: Ing. Ladislav Roller, PhD.

Člen snemu SAV: MVDr. Markéta Derdáková, PhD.

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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	55	27	28	5	11	54	46,8	22,6
Vedeckí pracovníci	33	22	11	3	3	32	27,65	22,6
Odborní pracovníci VŠ	14	2	12	1	8	14	10,26	0
Odborní pracovníci ÚS	6	2	4	1	0	6	6,32	0
Ostatní pracovníci	2	1	1	0	0	2	2,57	0

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2014 (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 31.12.2014 (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 31.12.2014)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	IIa.	IIb.
Muži	3	18	1	2	4	14	4
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	0	2	3	1	2	1	3	6	0
Ženy	0	2	3	0	0	1	2	0	0

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2014

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	49,1	50,8	51,4
Ženy	40,2	41,3	43,2
Spolu	44,6	47,6	48,9

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

V roku 2014 sa neudiali žiadne podstatné zmeny v štruktúre a zameraní ústavu. Ustav j má naďalej 4 vedecké sekcie, ktoré sú analogické s oddeleniami. Taktiež zloženie a štruktúra riadiacich orgánov - vedenia ústavu a ústavnej rady zostala nezmenená. Rok 2014 bol posledným rokom funkčného obdobia súčasného vedenia ústavu. Na koniec roka boli pripravené voľby, ktoré sa však nepodarilo kvôli problémom so zostavením komisie zorganizovať, takže tieto boli presunuté na začiatok roka 2015. Súčasný riaditeľ bol poverený vedením pracoviska do doby, kým bude menovaný nový riaditeľ, najviac však na dobu 6 mesiacov.

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Počet domácich projektov riešených v roku 2014

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organi- záciu	
1. Vedecké projekty, ktoré boli r. 2014 financované VEGA	16	6	76575	76575	4140
2. Projekty, ktoré boli r. 2014 financované APVV	6	2	119317	97428	27727
3. Projekty OP ŠF	0	3	-	-	265742
4. Projekty centier excelentnosti SAV	0	0	-	-	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	1	0	59873	59873	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Počet návrhov domácich projektov podaných v roku 2014

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2014	-	3	3
2. Projekty výziev OP ŠF podané r. 2014	Bratislava	-	-
	Regióny	-	-

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2014

Tabuľka 2c Počet medzinárodných projektov riešených v roku 2014

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organizáciu	
1. Projekty 7. Rámcového programu EÚ	0	1	-	-	38600
2. Multilaterálne projekty v rámci vedeckých programov COST, ERANET, INTAS, EUREKA, ESPRIT, PHARE, NATO, UNESCO, CERN, IAEA, ESF (European Science Foundation), ERDF a iné	1	1	36000	36000	10000
3. Projekty v rámci medzivládnych dohôd o vedecko-technickej spolupráci	0	0	-	-	-
4. Bilaterálne projekty	0	2	-	-	-
5. Podpora medzinárodnej spolupráce z národných zdrojov (MVTs, APVV,...)	1	2	1866	1866	11978
6. Iné projekty financované alebo spolufinancované zo zahraničných zdrojov	1	0	12609	12609	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty v 7. RP EÚ a Horizont 2020 podané v roku 2014

Tabuľka 2d Počet projektov 7. RP EÚ a Horizont 2020 v roku 2014

	A	B
Počet podaných projektov v 7. RP EÚ	-	-
Počet podaných projektov Horizont 2020	-	2

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

Ústav zoológie SAV bol v uplynulom financovanom období 2007-2013 úspešný pri získavaní zdrojov zo štrukturálnych fondov. Partnersky sa podieľal na 3 projektoch zameraných na budovanie vedecko-výskumných centier, viedol 3 výskumné projekty a bol partnerom na 2 projektoch pre podporu výskumu na rozvoj MSP. Prostriedky získané zo štrukturálnych fondov rozhodujúcou mierou prispeli k vybudovaniu nových laboratórií, významnému rozšíreniu prístrojového parku, ale taktiež umožnili prijať na dobu určitú viacerých vedeckých či technických pracovníkov. Ústav sa bude aj v budúcnosti usilovať o získanie projektov zo štrukturálnych fondov, ako náhle budú vyhlásené nové výzvy.

2.3. Najvýznamnejšie výsledky vedeckej práce (maximálne 1000 znakov + 1 obrázok)

2.3.1. Základný výskum

(I)

Anaplasma phagocytophilum (AP) je celosvetovo rozšírená kliešťami prenášaná baktéria patriaca do čeľade Anaplasmataceae, ktorá vyvoláva horúčkovité ochorenia u domácich, hospodárskych zvierat ale aj ľudí. Vektormi sú najmä kliešte patriace do komplexu *Ixodes ricinus* sensu lato. Na rozdiel od severnej Ameriky, nebola doteraz ekológia anaplazmózy v Európe jednoznačne objasnená. V našom výskume sme zisťovali prítomnosť, vnútrodrohovú variabilitu a ekologické asociácie kmeňov *Anaplasma phagocytophilum* cirkulujúcich na Slovensku, ale aj v ďalších krajinách strednej Európy (Česká Republika, Rakúsko a Taliansko) v kliešťoch z vegetácie, kliešťoch cicajúcich na širokom spektre hostiteľov (psy, domáce a voľne žijúce prežúvavce, vtáky, drobné cicavce a ľudia), v krvi, prípadne v nekropsiách odchytených hlodavcov. V analyzovaných kliešťoch bola zisťovaná aj prítomnosť novo popísanej baktérie z čeľade Anaplasmataceae – *Candidatus Neoehrlichia mikurensis* (CNM). Celková prevalencia AP a CNM dosahovala 3,4% a 4,5%. Bola potvrdená pozitívna korelácia medzi výskytom oboch patogénov, čo poukazuje na príbuznú ekológiu a vzťahy k rezervoárom. Prítomnosť AP sme detegovali aj v kliešťoch *I. ricinus* cicajúcich na ľuďoch, vysokej zveri, jeleňoch, vtákoch a kliešťoch *I. trianguliceps* z hlodavcov. Analýzou 4 genetických markerov (16S rRNA, msp4, groEL a DOV1) sme odlišili dve skupiny genotypov AP. Do prvej skupiny patrili genotypy viazané na kliešte *I. ricinus* sl. komplex, voľne žijúce prežúvavce a tiež aj genotypy izolované z pacientov (ľudí, psov, koní) a hlodavcov v USA. Druhú skupinu tvorili genotypy vyskytujúce sa výlučne v drobných cicavcoch na Slovensku, Taliansku a v Anglicku a kliešťoch *Ixodes trianguliceps*. Nami získané výsledky poukazujú na to, že pôvodcovia granulocytárnej anaplazmózy vykazujú v Európe značnú variabilitu a cirkulujú v dvoch odlišných enzootických cykloch. Navyše sme potvrdili, že drobné cicavce v Európe nie sú rezervoármi zoonotických patogénnych genotypov AP tak ako je to v USA.

BARAKOVÁ I, DERDAKOVÁ M, CARPI G, ROSSO F, COLLINI M, TAGLIAPIETRA V, RAMPONI C, HAUFFE H, RIZZOLI A. Genetic and ecologic variability among *Anaplasma phagocytophilum* strains, Northern Italy. In Emerging Infectious Diseases, 2014, vol. 20, no. 6, p.

1082-1085.

BLAŇAROVÁ L, STANKO M, CARPI G, MIKLISOVÁ D, VÍCHOVÁ B, MOŠANSKÝ L, BONA M, DERDÁKOVÁ M. Distinct *Anaplasma phagocytophilum* genotypes associated with *Ixodes trianguliceps* ticks and rodents in Central Europe. In Ticks and Tick-Borne Diseases, 2014, vol. 5, iss. 6, p. 928–938.

DERDÁKOVÁ M, VÁCLAV R, PANGRAČOVÁ-BLAŇAROVÁ L, SELJEMOVÁ D, KOČÍ J, WALDER G, ŠPITÁLSKA E. Candidatus *Neoehrlichia mikurensis* and its co-circulation with *Anaplasma phagocytophilum* in *Ixodes ricinus* ticks across ecologically different habitats of Central Europe. In Parasites & vectors, 2014, vol. 7, p.160.

(II)

Mezostigmátne roztoče z čeľade Pachylaelapidae patria k predátorom drobných bezstavovcov a sú hojne zastúpené v rozkladajúcich sa organických substrátoch, najmä v pôde, humuse, listovej opadanke, machu, dreve, exkrementoch, ale aj v hniezdach stavovcov a sociálneho hmyzu, a to vo všetkých klimatických oblastiach sveta. Na základe vlastných zberov z Európy a zbierok viacerých inštitúcií v Európe a Austrálii, bola vypracovaná monografická štúdia (a ďalšie doplnujúce práce), ktorá analyzuje tieto roztoče z hľadiska morfológie, taxonómie, chorológie a ekológie. Obsahuje deskripcie doteraz neznámych druhov, ale aj vyšších taxónov, diagnózy platných rodov, revízie sporných rodov a nové determinčné kľúče pre rodovú identifikáciu oboch dospelých štádií (kľúč na určovanie rodovej príslušnosti samcov vo svetovej literatúre chýbal). Súčasťou monografie je katalóg obsahujúci 253 pomenovaných druhov sveta, s detailnými údajmi o autorstve, systematike, synonymách a dôležitých nomenklatorických a bibliografických odkazoch. Prezentovaná koncepcia vyčleňuje z čeľade 11 rodov a 16 platných rodov rozdeľuje do 3 podčeľadí. Navrhnuté členenie čeľade je založené na nových kombináciách už známych morfológických znakov alebo na znakoch nových, medzi ktoré patrí napr. nový typ spermatekálneho aparátu samíc - rúrkovitá štruktúra zabudovaná v stenách tretieho páru panvičiek. Štyridsiatim štyrom druhom bol priradený nový rodový status, 5 homonymným druhom náhradné mená a 2 rody boli uznané za synonymá.

MAŠÁN P, HALLIDAY B. Review of the mite family Pachylaelapidae (Acari: Mesostigmata). Zootaxa, 2014, vol. 3776, p. 1-66.

MAŠÁN P, HALLIDAY B. A new genus and species of soil mite (Acari: Pachylaelapidae: Pachylaelapinae) from the Canary Islands. Journal of Natural History, 2014, vol. 48, p. 403-412.

MAŠÁN P, FENĎA P. A new edaphic mite of the genus Pachyseius (Acari, Mesostigmata, Pachylaelapidae) from Făgăraș Mountains (Romania), with a key to world species. Systematic & Applied Acarology, 2014, vol. 19, p. 137-143.

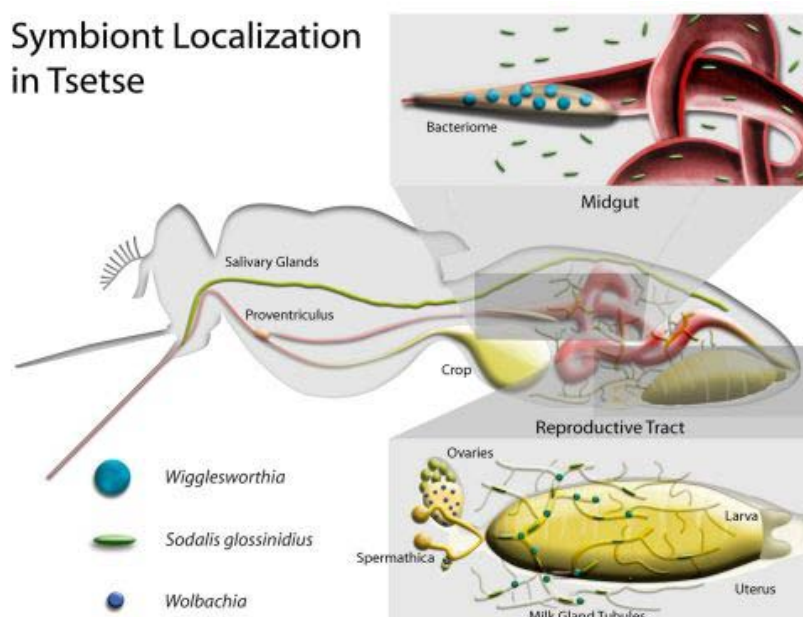
2.3.2. Aplikačný typ

Antibakteriálny potenciál včelieho medu predurčuje jeho využívanie v procese hojenia, predovšetkým ťažko hojaciach sa rán a popálenín a čoraz častejšie sa etabluje na renomovaných klinikách vo vyspelých štátoch. Na základe pozitívnych výsledkov z niekoľkých kazuistik sme pristúpili k realizácii klinického testovania medovicového medu v liečbe venózných vredov predkolenia. Sterilný medovicový med bol aplikovaný lokálne u 25 pacientov s vredom predkolenia po dobu 6 týždňov. Počas liečby sa priemerná plocha rany u všetkých pacientov zmenšila z 51 (3-150) na 22 (0-91) cm². Dôležitým aspektom liečby sú aj subjektívne pocity pacientov počas liečby. Zaznamenali sme pokles úrovne bolesti celkovo u 18 pacientov (72% všetkých pacientov) a u 5 pacientov (20%) sa úroveň bolesti nezmenila. Väčšina pacientov (80%) vyjadrila uspokojivý pocit po liečbe medovicovým medom. Dvaja pacienti predčasne ukončili klinické skúšanie z dôvodu zvýšenej bolesti v mieste aplikácie medu. Slovenský jedľový medovicový med predstavuje vhodnú, efektívnu a lacnú alternatívnu liečbu ochorení

MAYER A, SLEZÁK V, TAKÁČ P, OLEJNÍK J, MAJTÁN J. Treatment of non-healing leg ulcers with honeydew honey. Journal of Tissue Viability 2014, vol. 23, p. 94-97.

2.3.3. Medzinárodné vedecké projekty

Bodavky tsetse, jediné prenášače spavej choroby v subsaharskej Afrike, sa živia výhradne krvou a aj vďaka danej striktnej diéte sú závislé na obligátnej mikrobiálnej symbióze. Ďalším pozoruhodným znakom je ich viviparné rozmnožovanie a laktácia. V rámci medzinárodnej spolupráce s Yale University v USA bol opísaný genóm *Glossina m. morsitans* a analýza proteín-kódujúcich génov viedla k mnohým objavom; k objavu chromozomálnej integrácie genómu bakteriálnych symbiontov, určeniu nových proteínov v rámci laktačného procesu a komplementu proteínov podieľajúcich sa na imunitných procesoch ako aj k identifikácii chemosenzorických génov. Tieto výsledky objasňujú dôležité aspekty biológie bodaviek tsetse a poskytujú základ pre výskum v boji proti trypanosomiáze.



Lokalizácia symbiontov v bodavkách tsetse.

INTERNATIONAL GLOSSINA GENOME INITIATIVE. *Genome Sequence of the Tsetse Fly (Glossina morsitans): Vector of African Trypanosomiasis*. Science, 2014, Vol. 344: 380-386.

MICHALKOVA V, BENOIT JB, WEISS BL, ATTARDO GM, AKSOY S. Vitamin B-6 generated by obligate symbionts is critical for maintaining proline homeostasis and fecundity in tsetse flies. *Applied and Environmental Microbiology*, 2014, Vol. 80: 5844-5853.

MICHALKOVA V, BENOIT JB, ATTARDO GM, MEDLOCK J, AKSOY S. Amelioration of reproduction-associated oxidative stress in a viviparous insect is critical to prevent reproductive senescence. *PLoS One*, 2014, Vol. 9: e87554.

BENOIT JB, ATTARDO GM, MICHALKOVA V, KRAUSE TB, BOHOVA J, ZHANG Q, BAUMANN AA, MIREJI PO, TAKÁČ P, DENLINGER DL, RIBEIRO JM, AKSOY S. A novel highly divergent protein family identified from a viviparous insect by RNA-seq analysis: a potential target for tsetse fly-specific abortifacients. *PLoS Genetics*, 2014, Vol. 10: e1003874.

ATTARDO GM, BENOIT JB, MICHALKOVA V, PATRICK KR, KRAUSE TB, AKSOY S. The Homeodomain protein Ladybird Late Regulates Synthesis of Milk Proteins during Pregnancy in the Tsetse Fly (*Glossina morsitans*). *PLoS Neglected Tropical Diseases*, 2014, Vol. 8:e2645.

BENOIT JB, HANSEN IA, ATTARDO GM, MICHALKOVA V, MIREJI PO, BARGUL JL, DRAKE LL, MASIGA DK, AKSOY S. Aquaporins are critical for provision of water during lactation and

intrauterine progeny hydration to maintain tsetse fly reproductive success. PLoS Neglected Tropical Diseases, 2014, Vol. 8:e2517.

Projekty:

NIH - National Institutes of Health (AI081774 and F32AI093023), IAEA - International Atomic Energy Agency (17713/R0)

Zahraničný partner:

Department of Epidemiology of Microbial Diseases, Yale School of Public Health, Yale University, New Haven, Connecticut, USA

2.4. Publikačná činnosť (úplný zoznam je uvedený v Prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	A Počet v r. 2014/ doplňky z r. 2013	B Počet v r. 2014/ doplňky z r. 2013	C Počet v r. 2014/ doplňky z r. 2013
1. Vedecké monografie vydané v domácich vydavateľstvách (AAB, ABB, CAB)	1 / 0	0 / 0	0 / 0
2. Vedecké monografie vydané v zahraničných vydavateľstvách (AAA, ABA, CAA)	1 / 0	0 / 0	0 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB)	0 / 0	0 / 0	0 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA)	0 / 0	0 / 0	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD, ACD)	0 / 0	0 / 0	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC, ACC)	0 / 0	0 / 0	0 / 0
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	0 / 0	0 / 0	0 / 0
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	0 / 0	0 / 0	0 / 0
9. Vedecké a odborné práce v časopisoch evidovaných v Current Contents Connect (CCC) (ADC, ADCA, ADCB, ADD, ADDA, ADDB, CDC, CDCA, CDCB, CDD, CDDA, CDDB, BDC, BDCA, BDCB, BDD, BDDA, Bddb)	61 / 2	0 / 0	1 / 0
10. Vedecké a odborné práce v časopisoch neevidovaných v CCC (ADE, ADEA, ADEB, ADF, ADFA, ADFB, CDE, CDEA, CDEB, CDF, CDFA, CDFB, BDE, BDEA, BDEB, BDF, BDFA, BDFB)	34 / 1	0 / 0	0 / 0
11. Vedecké a odborné práce v zborníkoch vydaných tlačou alebo na CD			
a/ recenzované práce a publikované pozvané príspevky (AEC, AED, AFA, AFB, AFBA, AFBB, BEC, BED)	3 / 0	0 / 0	0 / 0
b/ nerecenzované práce (AEE, AEF, AFC, AFD, AFDA, AFDB, BEE,	4 / 0	0 / 0	0 / 0

BEF, CEC, CED)			
12. Vydané periodiká evidované v CCC	1	0	0
13. Ostatné vydané periodiká	0	0	0
14. Vydané alebo editované zborníky z vedeckých podujatí (FAI)	0/0	0/0	0/0
15. Vedecké práce uverejnené na internete (GHG)	1 / 0	0 / 0	0 / 0
16. Preklady vedeckých a odborných textov (EAJ)	0 / 0	0 / 0	0 / 0
17. Heslá v Encyklopédii Beliana a iných encyklopédiách a terminologických slovníkoch (BDA, BDB)	0 / 0	0 / 0	0 / 0

A - pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora

B - pracovisko SAV nie je na publikácii uvedené, pretože prameň údaj o pracovisku autora neobsahuje, práca ale vznikla na pracovisku SAV

C - pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

Tabuľka 2f Ohlasy

OHLASY	A Počet v r. 2013/ doplnky z r. 2012	B Počet v r. 2013/ doplnky z r. 2012
Citácie vo WoS (1.1, 2.1)	610 / 24	0 / 0
Citácie v SCOPUS (1.2, 2.2)	138 / 8	0 / 0
Citácie v iných citačných indexoch a databázach (9, 10)	48 / 4	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4)	169 / 27	0 / 0
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0 / 0	0 / 0

A - pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora, alebo pracovisko SAV nie je na publikácii uvedené, pretože prameň údaj o pracovisku autora neobsahuje, práca ale vznikla na pracovisku SAV

B - pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2g Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	53
Prednášky a vývesky na domácich vedeckých podujatiach	10

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

Majtán, J. 2014. Glukozo oxidáza a defenzín-1: kľúčové faktory v ochrane včelstva. 3. ročník odbornej konferencie Mendelovej spoločnosti pre včelársky výskum na tému: "Ekologie chovu včiel". Dátum: 22.11.2014. Miesto konania: Mendelovo múzeum, Brno, Česká Republika.

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

Čiampor Jr, F., Čiamporová-Zaťovičová, Z., Goffová, K., Šípošová, D. 2014. Gény v plesách – výskum genetickej štruktúry populácií bezstavovcov makrozoobentosu v Tatranských plesách. Dátum: 20.3.2014. Miesto konania: Prírodovedecká fakulta, Masarykova Univerzita, Brno, Česká Republika

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 2014

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 2014 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 2h Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Čiampor Fedor	Granty UK	2
	VEGA	1
Čiamporová-Zaťovičová Zuzana	VEGA	1
Kazimírová Mária	VEGA	1
Roller Ladislav	Granty UK	1

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 2

2.10. Iné informácie k vedeckej činnosti.

V roku 2014 bol pre ústav mimoriadne úspešný najmä v publikačnej oblasti, jedna z pracovníčok bola spoluautorkou článku zverejnenom v prestížnom vedeckom časopise Science, pracovníci ÚZ SAV sa ako spoluautori podieľali na viacerých publikáciách s IF vyšším ako 7. Vysoké nároky na kvalitu publikačných výstupov sú trvalou prioritou ústavu a tomu je, v rámci existujúcich možností, 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 2014

Forma	Počet k 31.12.2014				Počet ukončených doktorantúr v r. 2014					
	Doktorandi				Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí		ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Interná zo zdrojov SAV	3	10	0	4	2	3	0	0	0	0
Interná z iných zdrojov	0	0	0	0	0	0	0	0	0	0
Externá	1	1	0	0	0	0	0	0	0	0
Spolu	4	11	0	4	2	3	0	0	0	0
Súhrn	15		4		5		0		0	

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení

Z formy	Interná z prostriedkov SAV	Interná z prostriedkov SAV	Interná z iných zdrojov	Interná z iných zdrojov	Externá	Externá
Do formy	Interná z iných zdrojov	Externá	Interná z prostriedkov SAV	Externá	Interná z prostriedkov SAV	Interná 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 2014 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. Helena Čičková	interné štúdium hrazené z prostriedkov SAV	9 / 2010	8 / 2014	4.2.5 zoológia	RNDr. Milan Kozánek CSc., Ústav zoológie SAV	Prírodovedecká fakulta UK

	dkov SAV					
Mgr. Eva Krascsenitsová	interné štúdium hradené z prostrie dkov SAV	9 / 2009	1 / 2014	4.2.3 molekulárna biológia	Ing. Ladislav Roller PhD., Ústav zoológie SAV	Prírodovedecká fakulta UK
Mgr. Soňa Nuhličková	interné štúdium hradené z prostrie dkov SAV	9 / 2010	8 / 2014	4.2.5 zoológia	RNDr. Ján Krištofik CSc., Ústav zoológie SAV	Prírodovedecká fakulta UK
Mgr. Miroslav Poláček	interné štúdium hradené z prostrie dkov SAV	9 / 2009	3 / 2014	4.2.5 zoológia	RNDr. Alžbeta Darolová CSc., Ústav zoológie SAV	Prírodovedecká fakulta UK
Mgr. Michal Vrabec	interné štúdium hradené z prostrie dkov SAV	9 / 2010	8 / 2014	4.2.5 zoológia	RNDr. Stanislav Kalúz CSc., Ústav zoológie SAV	Prírodovedecká fakulta UK

Zoznam interných a externých doktorandov je uvedený v Prílohe A.

3.4. Zoznam akreditovaných študijných programov s uvedením VŠ

Tabuľka 3d Zoznam akreditovaných študijných programov s uvedením univerzity/vysokej školy a fakulty

Názov študijného programu (ŠP)	Názov študijného odboru (ŠO)	Číslo ŠO	Univerzita/vysoká škola a fakulta
molekulárna biológia	molekulárna biológia	4.2.3	Prírodovedecká fakulta UK
Zoológia	zoológia	4.2.5	Prírodovedecká fakulta UK

Tabuľka 3e Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií študijných programov doktorandského štúdia	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
RNDr. Stanislav Kalúz, CSc. (zoológia)	RNDr. Dušan Žitňan, DrSc. (Prírodovedecká fakulta UK)	Mgr. Veronika Michalková, PhD. (IIa)
RNDr. Milan Kozánek, CSc. (zoológia)		Mgr. Ladislav Pekárik, Ph.D (IIa)
RNDr. Milan Kozánek, CSc. (všeobecná ekológia a ekológia jedinca a populácií)		RNDr. Ferdinand Šporka, DrSc. (I)
RNDr. Ján Krištofík, CSc. (zoológia)		
doc. RNDr. Michal Stanko, DrSc. (zoológia)		
RNDr. Ferdinand Šporka, DrSc. (zoológia)		
RNDr. Ferdinand Šporka, DrSc. (všeobecná ekológia a ekológia jedinca a populácií)		
RNDr. Peter Takáč, CSc. (zoológia)		

3.5. Údaje o pedagogickej činnosti

Tabuľka 3f Prednášky a cvičenia vedené v roku 2014

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	5	0	3	0
Celkový počet hodín v r. 2014	23	0	39	0

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

Tabuľka 3g Aktivity pracovníkov na VŠ

1.	Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác	14
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	25
3.	Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)	13
4.	Počet školených doktorandov (aj pre iné inštitúcie)	15
5.	Počet oponovaných dizertačných a habilitačných prác	9
6.	Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce	6
7.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác	0
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	0

3.6. Iné dôležité informácie k pedagogickej činnosti

Ústav zoológie SAV je akreditovaným školiacim pracoviskom pre odbory Zoológia a Molekulárna biológia. V prípade odboru Zoológia došlo k dvom závažným zmenám. K 30.6.2014 ukončil garantovanie tohto vedného odboru za ústav Doc. RNDr. Michal Stanko, DrSc. v dôsledku jeho delimitácie na Parazitologický ústav SAV a nahradil ho RNDr. Ferdinand Šporka, DrSc od 1. júla 2014. V dôsledku preradenia RNDr. Veroniky Michalkovej, PhD. do stupňa II.a a jej následnému zaradeniu do kádra školiťov v obore Zoológia sa zvýšil ich počet na 25, čo umožňuje ústavu aj naďalej súbežne školiť 14 doktorandov.

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2014 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

19. Feriencove dni "Zoológia 2014", Prešov, 140 účastníkov, 20.11.-22.11.2014

Kongres je organizovaný v rámci 19. Feriencových dní. Podujatím chceme vzdať poctu jedným z našich najvýznamnejších zoológov, bývalému predsedovi arachnologickej sekcie Slovenskej entomologickej spoločnosti pri SAV Mgr. Jaroslavovi SVATOŇOVI (81 rokov), významnému slovenskému ornitológovi, múzejníkovi a prvému redaktorovi časopisu Tichodroma - RNDr. Branislavovi MATOUŠEKOVI, CSc. (81 rokov) a výbornému učiteľovi, stavovčiarovi, ekológovi a preparátorovi RNDr. Ľubomírovi BRTEKOVI, CSc. (80 rokov), ktorí naše pozvanie na kongres prijali.

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2015 (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

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	0	1	0

4.2. Členstvo a funkcie v medzinárodných orgánoch

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

RNDr. Fedor Čiampor, PhD

European Pond Conservation Network (funkcia: člen)

The Balfour-Browne Club (funkcia: člen)

Wiener Coleopterologenverein (funkcia: člen)

RNDr. Zuzana Čiamporová-Zaťovičová, PhD.

European Pond Conservation Network (EPCN) (funkcia: člen)

The Balfour-Browne Club (funkcia: člen)

The International Association for Danube Research (IAD) (funkcia: člen)

RNDr. Alžbeta Darolová, CSc.

Česká ornitologická spoločnosť (funkcia: člen)

MVDr. Markéta Derdáková, PhD.

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

RNDr. Marta Illyová, PhD.

The International Association for Danube Research (IAD) (funkcia: člen)

RNDr. Milan Kozánek, CSc.

National Geographic Society (funkcia: člen)

The American Entomological Society (funkcia: člen)

Ing. Juraj Majtán, PhD.

European Wound Management Association (EWMA) (funkcia: člen)

International Honey Commission (funkcia: člen)

Mgr. Ladislav Pekárik, Ph.D

Česká zoologická společnost (funkcia: člen)

Magyar Haltani Tarsaság (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 společnost (funkcia: člen)

RNDr. Ľubomír Vidlička, CSc.

Deutsche Gesellschaft für Orthopterologie (funkcia: člen)

4.3. Účast' 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
------------------------	------------------------------------	--

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

V roku 2014 boli zo zdrojov MVTs finančne podporených 3 projekty, z ktorých dva boli projekty IAEA, jeden 7RP

IAEA projekty

Overovanie a zdokonaľovanie nových technológií pre rozsiahle chovy *Glossina gambiensis* a pre diaľkovú prepravu lietavého materiálu na podporu centier masového chovu bodaviek tsetse v Západnej Afrike

V roku 2014 sa pokračovalo v intenzívnom masovom chove bodaviek tsetse druhu *Glossina palpalis gambiensis*. Podarilo sa nám udržať početnosť kolónie na 80 000 samičiek. Chovy sa prevádzali na novom zariadení masového chovu tsetse, typového radu TPU4. Zároveň zariadenie slúžilo ako testovacie zariadenie na potencionálne využitie TPU4 aj v zariadení masového chovu bodaviek tsetse v Afrike. Ďalej sme testovali introgresívnu hybridizovanú kolóniu dvoch línií *Glossina palpalis gambiensis* (SEN) zo Senegalu a (BKF) z CIRDES v Burkina Faso. Nová línia SEN-BKF vykazuje väčšiu odolnosť a životaschopnosť pri vypúšťaní do prírody v Senegale. V rámci ďalšieho cieľa projektu sme sa v spolupráci s entomologickým laboratóriom IAEA v Seibersdorfe, v Rakúsku zamerali na výskum štandardizácie transportných podmienok pri transporte schladených a ožiarených samčích kukiel bodaviek tsetse. Transportovali sme ožiarené samčie kukly do zariadenia Ecologie et contrôle des vecteurs, CIRAD - Département Syst. Biologiques - UMR15 CIRAD/INRA Contrôle des maladies animales exotiques et émergentes, Institut Sénégalais de Recherches Agricoles ISRA, Dakar-Han. Celý tento transportný proces bol sledovaný a monitorovaný. Výsledky transportu sme si navzájom konfrontovali. Podmienky štandardizácie transportných podmienok sa ešte doladujú.

Zvýšenie vektorovej odolnosti na trypanozómovú infekciu

V roku 2014 sme v rámci technického kontraktu dodávali živé kukly muchy tse - tse v počte 10 000 kusov, podľa potreby účastníkov CRP " Enhancing Vector Refractoriness to Trypanosome Infection"

a) 200 kukiel z *G. m. morsitans*, *G. pallidipes*, *G. palpalis gambiensis* a *G. f. fuscipes* kolónie, mesačne S. Aksoy (Yale, USA).

b) Štyri zásielky po 200 kukiel *G. m. morsitans* dodané A. Malacrida, Rávia, Taliansko.

c) Kukly (1000ks z každého druhu) *G. pallidipes* a *G. fuscipes* dodané N. Maniana, ICIPE, Keňa.

Zároveň sme spolupracovali na experimentoch s laboratóriom Prof. Serap Aksoy (Yale, USA), týkajúcich sa prenosu endosymbiotických baktérií do potomstva počas vnútromaternicového larválneho vývoja. Štúdia bola zameraná na vzájomnú molekulárnu výmenu informácií baktérií a potomstva, na bakteriálne zmeny transkriptomu v dospelých samičkách a v larve v priebehu vývoja. Expresia bakteriálnych génov počas vývoja bude závislá od expresie hostiteľských molekúl, ktoré môžu modulovať prenos trypanozómov v novovznikajúcom potomstve, a to najmä tých s antitrypanozómovou aktivitou.

7RP projekt

EDENext - Biológia a kontrola vektormi prenášaných infekcií v Európe

Biológia a kontrola vektormi prenášaných infekcií v Európe (EDENext) je integrovaný projekt 7.RP EÚ (Health-F3-2010-261504), ktorého cieľom je sledovanie biológie, ekológie a epidemiológie vybraných vektormi prenášaných ochorení v Európe a návrh inovatívnych metód boja proti nim.

Ústav zoológie SAV je v rámci konzorcia zapojený do výskumu chorôb prenášaných kliešťami a drobnými cicavcami. Skúma sezónnu aktivitu a početnosť populácií kliešťov (predovšetkým druhu *Ixodes ricinus*), výskyt, prevalenciu a genetickú diverzitu kliešťami prenášaných mikroorganizmov a interakcie medzi kliešťami, rezervoárovými hostiteľmi a patogénnymi mikroorganizmami. Sleduje tiež populácie hlodavcov a ich úlohu v cirkulácii kliešťami a hlodavcami prenášaných nákaz. V roku 2014 (štvrtý rok riešenia) sme ukončili zber biologického materiálu (hlodavce, vzorky orgánov z poľovnej zveri) vo vybraných biotopoch Slovenska, ktoré sa nachádzajú v oblastiach s rôznym stupňom zásahu človeka (urbánna oblasť, nefragmentovaný les, poľnohospodárska krajina). Použitím molekulárnych metód sme pokračovali v detekcii kliešťami prenášaných mikroorganizmov v kliešťoch z vegetácie a z hostiteľov a vo vzorkách hostiteľov kliešťov, ktoré sme získali z modelových lokalít v rokoch 2011-2014. Analýzy výsledkov poukázali na rozdiely v relatívnej početnosti populácií *I. ricinus* a v stupni zamorenia kliešťov a rezervoárových hostiteľov patogénnymi mikroorganizmami (*Anaplasma phagocytophilum*, *Rickettsia* spp., *Coxiella burnetii*, *Candidatus Neorickettsia mikurensis*, *Borrelia burgdorferi* s.l., *Babesia* spp.), a na rozdiely v genetickej diverzite mikroorganizmov v rôznych biotopoch Slovenska. Potvrdili sme prítomnosť početnej populácie *I. ricinus* v Bratislavskom lesoparku a existenciu urbánnych a suburbánnych ohnísk kliešťami prenášaných nákaz. V kliešťoch sme zistili prítomnosť druhov Apicomplexa, ktoré sú nové pre územie Slovenska. V spolupráci s Univerzitou v Helsinkách sme v sérach hlodavcov odchytených na modelových lokalitách potvrdili prítomnosť protilátok proti vírusu kliešťovej encefalitídy a hlodavcami prenášaným vírusom (hantavírusy, LCMV, Poxviridae). Výsledky projektu sme prezentovali na medzinárodných konferenciách (V4 Parasitological Meeting – Parasites in the Heart of Europe, Joint 12th Biennial Conference of the Society for Tropical Veterinary Medicine (STVM) and the VIII International Conference on Ticks and Tick-borne Pathogens (TTP-8), 19th Conference of the European Society for Vector Ecology) a zverejnili v zborníkoch z konferencií vo forme abstraktov a v štyroch vedeckých publikáciách: Blaňarová L., Stanko M., Carpi G., Miklisová D., Víchová B., Mošanský L., Bona M., Derdáková M. 2014. Distinct *Anaplasma phagocytophilum* genotypes associated with *Ixodes trianguliceps* ticks and rodents in Central Europe. Ticks and Tick-Borne Diseases 5 (6), 928–938. (2.878 - IF2013).

Derdáková M., Václav R., Pangráčová- Blaňarová L., Selyemová D., Koči J., Walder G., Špitalská E. 2014. *Candidatus Neorickettsia mikurensis* and its co-circulation with *Anaplasma phagocytophilum* in *Ixodes ricinus* ticks across ecologically different habitats of Central Europe. Parasites & Vectors 7, 160. (3.251 - IF2013)

Rizzoli A., Silaghi C., Obiegala A., Rudolf I., Hubálek Z., Földvári G., Plantard O., Vayssier-Taussat M., Bonnet S., Špitalská E., Kazimírová M. 2014. *Ixodes ricinus* and its transmitted pathogens in urban and peri-urban areas in Europe: new hazards and relevance for public health. Frontiers in Public health 2, 251.

Slovák M., Kazimírová M., Siebenstichová M., Ustaníková K., Klempa B., Gritsun T., Gould E.A., Nuttall P.A. 2014. Survival dynamics of tick-borne encephalitis virus in *Ixodes ricinus* ticks. Ticks and Tick-Borne Diseases 5 (6), 962-969. (2.878 - IF2013)

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 pilieroch: 1) ekologicko terénnom, 2) experimentálne laboratórnom a 3) cielene aplikovanom výskume. Základné zameranie pracoviska je stabilné a nepredpokladáme podstatné zmeny ani do budúcnosti. Na druhej strane je potrebné, aby výskumné tímy reagovali na požiadavky moderného vedeckého výskumu (excelentný reálne využiteľný výskum) a zvýšili tak svoj potenciál pri získavaní vedeckých projektov. Na výskumné zameranie ústavu bude mať bezosporu vplyv transformácia na VVI a s tým súvisiace zlučovanie existujúcich pracovísk SAV do väčších celkov.

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: Prírodovedecká fakulta UK

Druh spolupráce (spoločné pracovisko alebo iné): riešenie projektu APVV-0213-10

Začiatok spolupráce: 2011

Zameranie: výskum

Zhodnotenie:

Názov univerzity/vysokej školy a fakulty: Fakulta ekológie a environmentalistiky TUZVO

Druh spolupráce (spoločné pracovisko alebo iné): riešenie projektu APVV-0213-10

Začiatok spolupráce: 2011

Zameranie: výskum

Zhodnotenie:

Názov univerzity/vysokej školy a fakulty: Univerzita Mateja Bela v Banskej Bystrici

Druh spolupráce (spoločné pracovisko alebo iné): riešenie projektu VEGA 2/0081/13

Začiatok spolupráce: 2013

Zameranie: ekologický výskum vysokohorských ekosystémov

Zhodnotenie:

Názov univerzity/vysokej školy a fakulty: Technická univerzita vo Zvolene

Druh spolupráce (spoločné pracovisko alebo iné): riešenie projektu VEGA 2/0081/13

Začiatok spolupráce: 2013

Zameranie: ekologický výskum vysokohorských ekosystémov

Zhodnotenie:

Názov univerzity/vysokej školy a fakulty: Slovenská zdravotnícka univerzita v Bratislave

Druh spolupráce (spoločné pracovisko alebo iné): riešenie projektu APVV-0115-11

Začiatok spolupráce: 2012

Zameranie: riešenie projektu

Zhodnotenie:

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

Zhodnotenie:

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

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

Názov kontraktu: Sledovanie vodnej fauny - skupiny Cladocera a Copepoda na výskumných plochách v zmysle špecifikácie pre výmenu dát medzi SR a MR - terénny výskum na MP6, MP9, MP10, MP14, MP18, MP23

Partner(i): Prírodovedecká fakulta Univerzity Komenského v Bratislave

Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2014

Objem získaných prostriedkov v bežnom roku (€): 980

Stručný opis výstupu/výsledku:

Zhodnotenie:

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
Ing. Tomáš Čejka, PhD.	Poradný zbor pre Dohovor o medzinárodnom obchode s ohrozenými druhmi voľne žijúcich živočíchov a rastlín (CITES)	člen poradného výboru
RNDr. Alžbeta Darolová, CSc.	Koordinačná rada pre monitoring vtákov pri Štátnej ochrane prírody	člen Koordinačnej rady
Ing. Juraj Majtán, PhD.	Odbor bezpečnosti potravín a výživy; Sekcia poľnohospodárstva, potravinárstva a obchodu; Ministerstvo pôdohospodárstva a rozvoja vidieka SR	člen odbornej vedeckej skupiny
Mgr. Ladislav Pekárik, Ph.D	Koordinačná rada pre monitoring a reporting podľa čl. 17 smernice o biotopoch Ministerstva životného prostredia	člen
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: Hodnotenie vplyvu prevádzky vodného diela Gabčíkovo na prírodné prostredie

Adresát expertízy: Ministerstvo životného prostredia SR, vláda SR

Spracoval: Ing. Tomáš Čejka, PhD.

Stručný opis: Hodnotenie vplyvu prevádzky vodného diela Gabčíkovo na biotu (prírodné prostredie) pomocou bioindikačnej skupiny Mollusca (od roku 1990 - trvá).

Názov expertízy: Spracovanie podkladov pre zabezpečenie priaznivého stavu výberových druhov vtákov a ich biotopov

Adresát expertízy: Štátna ochrana prírody

Spracoval: RNDr. Alžbeta Darolová, CSc.

Stručný opis: zhodnotenie výsledkov mapovanie aktuálneho stavu výberových druhov vtákov v Chránenom vtáčom území Veľkoblahovské rybníky a Kráľová

Názov expertízy: Zhodnotenie populačných stavov troch druhov vtákov v Chránených vtáčích územiach Slovenska

Adresát expertízy: Štátna ochrana prírody

Spracoval: RNDr. Ján Krištofík, CSc.

Názov expertízy: Spracovanie podkladov pre zabezpečenie priaznivého stavu výberových druhov vtákov - Lanius minor

Adresát expertízy: ŠOP

Spracoval: Mgr. Radovan Václav, PhD.

Stručný opis: Vyhodnotenie výsledkov mapovania výberových vtáčích druhov v chránených vtáčích územiach Slovenska s cieľom zistiť stav populácií v jednotlivých chránených územiach ako aj pre celé Slovensko a navrhnúť opatrenia na zabezpečenie priaznivého stavu.

Názov expertízy: Spracovanie podkladov pre zabezpečenie priaznivého stavu výberových druhov vtákov - Otus scops

Adresát expertízy: ŠOP

Spracoval: Mgr. Radovan Václav, PhD.

Stručný opis: Vyhodnotenie výsledkov mapovania výberových vtáčích druhov v chránených vtáčích územiach Slovenska s cieľom zistiť stav populácií v jednotlivých chránených územiach ako aj pre celé Slovensko a navrhnúť opatrenia na zabezpečenie priaznivého stavu.

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

9.1.1. Najvýznamnejšia vedecko-popularizačná činnosť pracovníkov organizácie SAV

Tabuľka 9a Vedecko-popularizačná činnosť pracovníkov organizácie SAV

Meno	Spoluautori	Typ ¹	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Ing. Juraj Majtán, PhD.		PB	Medicínske využitie slovenského medovicového medu	XIX. Konferencia zlepšovateľov a vynálezcov vo včelárstve - Ostrava (CZ)	27.9.2014
Ing. Juraj Majtán, PhD.		PB	Slovenský medovicový med v klinickej praxi	Regionálnej konferencie Prírode blízke včelárstvo, Kráľová pri Senci	9.8.2014
Mgr. Marek Semelbauer, PhD.		PB	Prednaska na temu Krajina, príroda a človek	Spojena skola, Tilgnerova 14	21.10.2014
Ing. Zbyšek Šustek, CSc.		TV	Vplyv osvetlenia miest na biodiverzitu	TV Markíza	18.1.2014
RNDr. Peter Takáč, CSc.	Dr. Falisová; Dr. Lengyelová	RO	Fokus veda – Rubikon, Bioterapie	Rádio Devín	6.6.2014
RNDr. Peter Takáč, CSc.	Dr. Grace Murilla	TV	Projekt Slovak Aid, Larválna terapia v Keni	TV Joj	20.4.2014
RNDr. Ľubomír Vidlička, CSc.	Ing. Juraj Rybanský	TV	Rozhovory cez poľnoc - vymieranie druhov	TA3	16.8.2014
RNDr. Ľubomír Vidlička, CSc.	Prof. Peter Fedor	TV	Rozhovory cez poľnoc - invázne druhy a biodiverzita	TA3	26.9.2014
Ing. Tomáš Čejka, PhD.		TL	Popularizačné články	časopis .týždeň	25
Ing. Tomáš Čejka, PhD.		TL	Popularizačné články	Quark	2
Mgr. Ladislav Pekárik, Ph.D		iné	Deň Dunaja	Bratislava	1
Mgr. Ladislav Pekárik, Ph.D		iné	Noc výskumníkov 2014	Bratislava	1
Mgr. Ladislav Pekárik, Ph.D		iné	World Fish Migration Day	Bratislava	1
Mgr. Marek Semelbauer, PhD.		iné	Biologický krúžok pre stredoškôľakov	Prírodovedecká fakulta	10

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

9.1.2. Súhrnné počty vedecko-popularizačných činností organizácie SAV

Tabuľka 9b Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	6	tlač	3	TV	8
rozhlás	1	internet	0	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	1
iné	6				

9.2. Vedecko-organizačná činnosť

Tabuľka 9c Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
19. Feriancove dni "Zoológia 2014"	medzinárodná	Prešov	20.11.-22.11.2014	140

9.3. Účasť na výstavách

Názov výstavy: Bioterapie

Miesto konania: Lekárska fakulta UK, Bratislava

Dátum: 1.5.2014

Zhodnotenie účasti:

Názov výstavy: Bioterapie

Miesto konania: Nemocnica sv. Michala, Bratislava

Dátum: 24.4.2014

Zhodnotenie účasti:

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9d Programové a organizačné výbory národných konferencií

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	0	1	0

9.5. Členstvo v redakčných radách časopisov

Ing. Tomáš Čejka, PhD.

Folia faunistica Slovaca (funkcia: člen redakcie)

Malacologica Bohemoslovaca (funkcia: výkonný redaktor)

RNDr. Fedor Čiampor, PhD

ISRN Entomology (funkcia: editor)

Zootaxa (funkcia: editor)

RNDr. Zuzana Čiamporová-Zaťovičová, PhD.

Limnologický spravodajca (funkcia: šéfredaktor a výkonný redaktor)

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.

Advances in Zoology and Botany (funkcia: člen redakčnej rady)

Biologia (funkcia: výkonný redaktor)

Ing. Juraj Majtán, PhD.

Asian Pacific Journal of Tropical Biomedicine (funkcia: člen redakčnej rady)

Evidence-Based Complementary and Alternative Medicine (funkcia: člen redakčnej rady)

International Journal of Genuine Traditional Medicine (TANG) (funkcia: Associate Editor)

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)

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)

Ing. Ladislav Roller, PhD.

Entomofauna Carpathica (funkcia: člen)

Hmyz (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)
Zoological Research (funkcia: člen Editorial Board)

RNDr. Ľubomír Vidlička, CSc.

Acta Rerum Naturalium Musei Nationalis Slovaci (funkcia: člen)
Annotationes zoologicae et botanicae Musei Slovaci (funkcia: člen)
Entomofauna Carpathica (funkcia: člen)
Folia Faunistica Slovaca (On line) (funkcia: člen)
Hmyz (funkcia: člen)

RNDr. Dušan Žitňan, DrSc.

General and Comparative Endocrinology (funkcia: člen)

9.6. Činnosť v domácich vedeckých spoločnostiach

RNDr. Fedor Čiampor, PhD

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)
Slovenská limnologická spoločnosť pri SAV (funkcia: člen)

RNDr. Zuzana Čiamporová-Zaťovičová, PhD.

Slovenská limnologická spoločnosť pri SAV (funkcia: člen výboru)

RNDr. Alžbeta Darolová, CSc.

Slovenská ornitologická spoločnosť/Birdlife (funkcia: člen)

MVDr. Markéta Derdáková, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen)

Mgr. Katarína Goffová

Slovenská limnologická spoločnosť (funkcia: člen)

RNDr. Marta Illyová, PhD.

Slovenská limnologická spoločnosť pri SAV (funkcia: podpredseda)

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)

RNDr. Milan Kozánek, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

RNDr. Ján Krištofík, CSc.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

Mgr. Kristína Laššová

Slovenská limnologická spoločnosť (funkcia: člen)

Ing. Juraj Majtán, PhD.

Slovenská lekárska Spoločnosť (funkcia: člen)

Mgr. Ladislav Pekárik, Ph.D

Slovenská limnologická spoločnosť pri SAV (funkcia: člen)

Slovenská zoologická spoločnosť (funkcia: podpredseda)

Ing. Ladislav Roller, PhD.

Slovenská entomologická spoločnosť pri SAV (funkcia: člen)

Mgr. Veronika Rusňáková Taragel'ová, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen)

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)

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

V roku 2014 ÚZ SAV vydal vedeckú monografiu:

BUCSEK, Karol. Erebidae, Arctiinae (Lithosiini, Arctiini) of Malay Peninsula - Malaysia. : (Supplementum). Ústav Zoológie SAV (vydavateľ) / Institut of Zoology SAS (Publisher). printed in NOI Bratislava. Bratislava : Ústav Zoológie SAV / Institut of Zoology SAS, 2014. 44 pp. ISBN 978-80-970326-4-7.

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		13597
z toho	knihy a zviazané periodiká	11620
	audiovizuálne dokumenty	6
	elektronické dokumenty (vrátane digitálnych)	44
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	1901
Počet titulov dochádzajúcich periodík		38
z toho zahraničné periodiká		34
Ročný prírastok knižničných jednotiek		25
v tom	kúpou	0
	darom	25
	výmenou	0
	bezodplatným prevodom	0
Úbytky knižničných jednotiek		0
Knižničné jednotky spracované automatizovane		11620

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu		97
z toho	odborná literatúra pre dospelých	65
	výpožičky periodík	30
	prezenčné výpožičky	2
MVS iným knižniciam		2
MVS z iných knižníc		12
MMVS iným knižniciam		0
MMVS z iných knižníc		27
Počet vypracovaných bibliografií		12
Počet vypracovaných rešerší		7

10.3. Používatelia

Tabuľka 10c Užívatelia

Registrovaní používatelia	66
Návštevníci knižnice spolu (bez návštevníkov podujatí)	66

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

K previerke a usporiadaniu knižničných fondov boli zapojení dvaja brigádnici - žiaci gymnázia, ktorí sa šikovne vysporiadali s danou úlohou a pomohli tak knihovníčke v dobe po operácii bedrového kĺbu. S cieľom rozšírenia a optimalizácie úložného priestoru pre knihy a periodiká boli zakúpené 4 nové regály.

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

RNDr. Dušan Žitňan, DrSc.

- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)

11.5. Členstvo v orgánoch VEGA

RNDr. Milan Kozánek, CSc.

- Komisia VEGA č. 8 (člen)

doc. RNDr. Michal Stanko, DrSc.

- Komisia VEGA č. 8 pre pôdohospodárske vedy a drevárske 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 31.12.2014 spolu	v tom:			
		zo ŠR od zriaďovateľ a	z vlastných zdrojov	z iných zdrojov	z toho: ŠF EÚ
Výdavky spolu	1 645 386	880 198	133 318	631870	265 742
Bežné výdavky	1 617 860	880 198	129 066	608 596	262 278
v tom:					
mzdy (610)	733 690	497 201	33 686	202 803	114 854
poistné a príspevok do poistovní (620)	266 292	172 527	18 297	75 468	45 230
tovary a služby (630)	509 620	120 241	77 083	306 856	103 314
z toho: časopisy	3 514	2 000	1 514		
VEGA projekty	80 712	80 712			
MVTS projekty	13 844	13 844			
CE					
vedecká výchova	5 440	5 440			
bežné transfery (640)	108 258	84 789		23 469	1 580
z toho: štipendiá	84 789	84 789			
transfery partnerom projektov	23 469			23 469	1 580
Kapitálové výdavky	27 526		4 252	23 274	3 464
v tom:					
obstarávanie kapitálových aktív	27 526		4 252	23 274	3 464
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 31.12.2014 spolu	v tom:	
		rozpočtové	z mimoroz p. zdrojov
Príjmy spolu	1 540 867	880 198	660 669
Nedaňové príjmy	87 211		87 211
v tom:			
príjmy z prenájmu			
príjmy z predaja výrobkov a služieb	87 211		87 211
iné			
Granty a transfery (mimo zdroja 111)	660 669		660 669
v tom:			
tuzemské	191 421		191 421
z toho: APVV	191 421		191 421
iné	87 211		87 211
zahraničné	99 764		99 764
z toho: projekty rámcového programu EÚ	282 273		282 273
iné			

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2014

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

15.1.2. Iné domáce ocenenia

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

V uplynulom roku prebiehala v blízkosti ÚZ SAV výstavba dvoch nových budov - Biomedicínskeho centra a Centra pre výskum materiálov. Významne zvýšená hlučnosť, prašnosť, blokovanie parkovacích miest v okolí ústavu vozidlami stavby a neporiadok, ktorý napriek opakovaným upozorneniam vedúcich stavby pretrvával prakticky až do ukončenia oboch stavieb značne strpčovali život pracovníkov ústavu. Uvedomujeme si, že vybudovanie oboch centier je na prospech SAV ako celku, na druhej strane sa domnievame, že by tu mal byť priestor aj na doriešenie niektorých problémov v okolí pracovísk, ktoré museli znášať počas ich budovania najväčšiu záťaž. Ide predovšetkým o vyasfaltovanie relatívne malého priestoru pred Ústavom zoológie SAV a krátkej prístupovej cesty. V dôsledku vybudovania Biomedicínskeho centra sa znemožnil prístup k budove ústavu z jeho zadnej strany, čo výrazne komplikuje príjazd áut najmä v zimných mesiacoch.

Správu o činnosti organizácie SAV spracoval(i):

Ing. Juraj Majtán, PhD., 02/5930 2647

Riaditeľ organizácie SAV:

.....
RNDr. Milan Kozánek, CSc.

Prílohy**Príloha A****Zoznam zamestnancov a doktorandov organizácie k 31.12.2014****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	0.01
2.	doc. RNDr. Michal Stanko, DrSc.	30	0.11
3.	RNDr. Ferdinand Šporka, DrSc.	100	1.00
4.	RNDr. Dušan Žitňan, DrSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	Ing. Tomáš Čejka, PhD.	100	1.00
2.	RNDr. Fedor Čiampor, PhD	100	1.00
3.	RNDr. Zuzana Čiamporová-Zaťovičová, PhD.	100	1.00
4.	RNDr. Alžbeta Darolová, CSc.	100	1.00
5.	MVDr. Markéta Derdáková, PhD.	100	1.00
6.	RNDr. Marta Illyová, PhD.	100	1.00
7.	RNDr. Stanislav Kalúz, CSc.	100	1.00
8.	RNDr. Mária Kazimírová, CSc.	100	1.00
9.	RNDr. Milan Kozánek, CSc.	100	1.00
10.	RNDr. Ján Krištofík, CSc.	100	1.00
11.	Ing. Juraj Majtán, PhD.	100	1.00
12.	RNDr. Peter Mašán, PhD.	100	1.00
13.	Doc. PaedDr. Pavol Prokop, PhD.	10	0.10
14.	Ing. Ladislav Roller, PhD.	100	1.00
15.	Mgr. Veronika Rusňáková Taragel'ová, PhD.	100	0.16
16.	RNDr. Mirko Slovák, CSc.	30	0.59
17.	Ing. Zbyšek Šustek, CSc.	100	1.00
18.	RNDr. Peter Takáč, CSc.	100	1.00
19.	Mgr. Radovan Václav, PhD.	100	1.00
20.	RNDr. Ľubomír Vidlička, CSc.	100	1.00
Vedeckí pracovníci			
1.	Mgr. Helena Čičková, PhD.	100	0.33
2.	Mgr. Ivana Daubnerová, PhD.	100	0.33

3.	Mgr. Veronika Michalková, PhD.	100	0.58
4.	Mgr. Ladislav Pekárik, Ph.D	100	1.00
5.	Mgr. Emanuel Procházka, PhD.	100	1.00
6.	Mgr. Diana Selyemová, PhD.	40	0.23
7.	Mgr. Marek Semelbauer, PhD.	100	1.00
8.	Mgr. Eva Špitalská, PhD.	33	0.33
9.	Ing. Juraj Varinský, CSc.	100	1.00
Odborní pracovníci s VŠ vzdelaním			
1.	Mgr. Lenka Berthová	33	0.33
2.	Mgr. Jana Bohová	100	0.33
3.	Ing. Dana Groschova	100	1.00
4.	Mgr. Mária Habrmanová	100	1.00
5.	Ing. Peter Kacvinský	100	0.16
6.	RNDr. Vlasta Lúčanová	50	0.53
7.	Mgr. Lenka Mahríková	100	1.00
8.	Mgr. Eva Miklošová	100	1.00
9.	Mgr. Iveta Mikušiaková	100	1.00
10.	Mgr. Dagmar Práznovská	100	1.00
11.	Mgr. Barbora Rajčeková	100	1.00
12.	Ing. Danko Sitarčíková	100	1.00
13.	Mgr. Jakub Steinhübel	100	0.58
14.	Mgr. Zuzana Svitáľková	100	0.33
Odborní pracovníci ÚSV			
1.	Alexander Baranovič	100	1.00
2.	Lýdia Drinková	100	1.00
3.	Mária Gudabová	100	1.00
4.	Juraj Kaps	50	0.50
5.	Eva Vráblová	100	1.00
6.	Jana Weisová	100	1.00
Ostatní pracovníci			
1.	Pavol Haris	100	1.00
2.	Zuzana Pelikánová	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedecí pracovníci			
1.	Ing. Marek Barta, PhD.	12.2.2014	0.06
2.	RNDr. Jozef Čarnogurský, PhD.	30.6.2014	0.50
3.	Ing. Martin Florian, PhD.	31.5.2014	0.41
4.	RNDr. Ivana Valachová, PhD.	30.11.2014	0.91
Odborní pracovníci ÚSV			
1.	Peter Fleischer	31.3.2014	0.25
2.	Oľga Sokolová	31.5.2014	0.41
3.	Janka Šimášková	28.2.2014	0.16
Ostatní pracovníci			
1.	Matúš Čajkovič	31.5.2014	0.41
2.	Lucia Pajdlhauserová	28.2.2014	0.16

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hrazení z prostředků SAV			
1.	Mgr. Michaela Bartíková	Přírodovědecká fakulta UK	4.2.5 zoológia
2.	Mgr. Branislav Bednár	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia
3.	Mgr. Jana Bohová	Přírodovědecká fakulta UK	4.2.5 zoológia
4.	Mgr. Marcela Bučková	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia
5.	Mgr. Daniel Čížmár	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia
6.	Mgr. Katarína Goffová	Přírodovědecká fakulta UK	4.2.5 zoológia
7.	Mgr. Michal Chvostáč	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia
8.	Mgr. Kristína Laššová	Přírodovědecká fakulta UK	4.2.5 zoológia
9.	Mgr. Katarína Mit'ková	Přírodovědecká fakulta UK	4.2.5 zoológia
10.	Mgr. Zuzana Svitáľková	Přírodovědecká fakulta UK	4.2.5 zoológia
11.	Mgr. Darina Šípošová	Přírodovědecká fakulta UK	4.2.5 zoológia
12.	Mgr. Tatiana Vaculová	Přírodovědecká fakulta UK	4.2.5 zoológia
13.	Mgr. Alexandra Zibrinová	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia
Interní doktorandi hrazení z iných zdrojov			
<i>organizácia nemá interných doktorandov hrazených z iných zdrojov</i>			
Externí doktorandi			
1.	Mgr. Ivana Baráková	Přírodovědecká fakulta UK	4.2.3 molekulárna biológia

2.	Mgr. Juraj Čačány	Prírodovedecká fakulta UK	4.2.5 zoológia
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Príloha B

Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medziakademická dohoda (MAD)

1.) Molekulárna epidemiológia spirochét lymskej boreliózy v Európe (*Molecular epidemiology of lyme borreliose spirochetes in Europe*)

Zodpovedný riešiteľ: Markéta Derdáková
Trvanie projektu: 1.1.2014 / 31.12.2015
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: Nationales Referenz Zentrum für Borrelia
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

2.) Diverzita a prenos kliešťami prenášaných patogénov (*Diversity and transmission of tick-borne pathogens*)

Zodpovedný riešiteľ: Mária Kazimírová
Trvanie projektu: 1.1.2013 / 31.12.2014
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 2 - Nemecko: 2
Čerpané financie:

Dosiahnuté výsledky:

Programy: IAEA

3.) Overovanie a zdokonaľovanie nových technológií pre rozsiahle chovy *Glossina gambiensis* a pre diaľkovú prepravu lietavého materiálu na podporu centier masového chovu bodaviek tsetse v Západnej Afrike (*Validation and refinement of new techniques for large scale rearing and for long-distance transport of fly material in support of tsetse mass rearing centres in West Afrika*)

Zodpovedný riešiteľ: Milan Kozánek
Trvanie projektu: 6.5.2011 / 6.5.2014
Evidenčné číslo projektu: IAEA 16773
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV

Počet spoluriešiteľských inštitúcií: 0

Čerpané financie: IAEA: 36000 €
Podpora medzinárodnej spolupráce z národných zdrojov: 1866 €

Dosiahnuté výsledky:

V roku 2014 sa pokračovalo v intenzívnom masovom chove bodaviek tsetse druhu *Glossina palpalis gambiensis*. Podarilo sa nám udržať početnosť kolónie na 80 000 samičiek. Chovy sa prevádzali na novom zariadení masového chovu tsetse, typového radu TPU4. Zároveň zariadenie slúžilo ako testovacie zariadenie na potencionálne využitie TPU4 aj v zariadenia masového chovu bodaviek tsetse v Afrike. Ďalej sme testovali introgresívnu hybridizovanú kolóniu dvoch línií *Glossina palpalis gambiensis* (SEN) zo Senegalu a (BKF) z CIRDES v Burkina Faso. Nová línia SEN-BKF vykazuje väčšiu odolnosť a životaschopnosť pri vypúšťaní do prírody v Senegale. V rámci ďalšieho cieľa projektu sme sa v spolupráci s entomologickým laboratóriom IAEA v Seibersdorfe, v Rakúsku zamerali na výskum štandardizácie transportných podmienok pri transporte schladených a ožiarených samčích kukiel bodaviek tsetse. Transportovali sme ožiarené samčie kukly do zariadenia Ecologie et contrôle des vecteurs, CIRAD - Département Syst. Biologiques - UMR15 CIRAD/INRA Contrôle des maladies animales exotiques et émergentes, Institut Sénégalais de Recherches Agricoles ISRA, Dakar-Han. Celý tento transportný proces bol sledovaný a monitorovaný. Výsledky transportu sme si navzájom konfrontovali. Podmienky štandardizácie transportných podmienok sa ešte doladujú.

4.) Zvýšenie vektorovej odolnosti na trypanozómovú infekciu (*Enhancing vector refractoriness to trypanosome infection*)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 15.11.2014 / 15.11.2015
Evidenčné číslo projektu: 17713
Organizácia je koordinátorom projektu: nie
Koordinátor: International Atomic Energy Agency
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: IAEA: 10000 €

Podpora medzinárodnej spolupráce z národných zdrojov: 2239 €

Dosiahnuté výsledky:

V roku 2014 sme v rámci technického kontraktu dodávali živé kukly muchy tse - tse v počte 10 000 kusov, podľa potreby účastníkov CRP " Enhancing Vector Refractoriness to Trypanosome Infection"

a. 200 kukiel z *G. m. morsitans*, *G. pallidipes*, *G. palpalis gambiensis* a *G. f. fuscipes* kolónie, mesačne S. Aksoy, Yale, USA

b. Štyri zásielky po 200 kukiel *G. m. morsitans* dodané A. Malacrida, Ravenna, Taliansko.

c. Kukly(1000ks z každého druhu) *G. pallidipes* a *G. fuscipes* dodané N. Maniana, ICIPE Keňa. Zároveň sme spolupracovali na experimentoch s laboratóriom Prof. Serap Aksoy, Yale, USA, týkajúcich sa prenosu endosymbiotických baktérií do potomstva počas vnútromaternicového larválneho vývoja. Štúdiá bola zameraná na vzájomnú molekulárnu výmenu informácií baktérií a potomstva, na bakteriálne zmeny transkriptomu v dospelých samičkách a v larve v priebehu vývoja. Expresia bakteriálnych génov počas vývoja bude závislá od expresie hostiteľských molekúl, ktoré môžu modulovať prenos trypanozóm v novovznikajúcom potomstve, a to najmä tých s antitrypanozómovou aktivitou.

Programy: 7RP

5.) Biológia a kontrola vektormi prenášaných infekcií v Európe (*Biology and control of vector-borne infections in Europe*)

Zodpovedný riešiteľ:	Mária Kazimírová
Trvanie projektu:	1.1.2011 / 30.6.2015
Evidenčné číslo projektu:	261504
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Centre de Cooperation International en Recherche Agronomique pour le Developpement (CIRAD)
Počet spoluriešiteľských inštitúcií:	30 - Belgicko: 3, Česko: 3, Nemecko: 5, Francúzsko: 7, Veľká Británia: 3, Maďarsko: 3, Taliansko: 3, Slovensko: 3
Čerpané financie:	7RP: 38600 € Podpora medzinárodnej spolupráce z národných zdrojov: 9739 €

Dosiahnuté výsledky:

Biológia a kontrola vektormi prenášaných infekcií v Európe (EDENext) je integrovaný projekt 7.RP EÚ (Health-F3-2010-261504), ktorého cieľom je sledovanie biológie, ekológie a epidemiológie vybraných vektormi prenášaných ochorení v Európe a návrh inovatívnych metód boja proti nim. Ústav zoológie SAV je v rámci konzorcia zapojený do výskumu chorôb prenášaných kliešťami a drobnými cicavcami. Skúma sezónnu aktivitu a početnosť populácií kliešťov (predovšetkým druhu *Ixodes ricinus*), výskyt, prevalenciu a genetickú diverzitu kliešťami prenášaných mikroorganizmov a interakcie medzi kliešťami, rezervoárovými hosťami a patogénnymi mikroorganizmami. Sleduje tiež populácie hlodavcov a ich úlohu v cirkulácii kliešťami a hlodavcami prenášaných nákaz. V roku 2014 (štvrtý rok riešenia) sme ukončili zber biologického materiálu (hlodavce, vzorky orgánov z poľovnej zveri) vo vybraných biotopoch Slovenska, ktoré sa nachádzajú v oblastiach s rôznym stupňom zásahu človeka (urbánna oblasť, nefragmentovaný les, poľnohospodárska krajina). Použitím molekulárnych metód sme pokračovali v detekcii kliešťami prenášaných mikroorganizmov v kliešťoch z vegetácie a z hostiteľov a vo vzorkách hostiteľov kliešťov, ktoré sme získali z modelových lokalít v rokoch 2011-2014. Analýzy výsledkov poukázali na rozdiely v relatívnej početnosti populácií *I. ricinus* a v stupni zamorenia kliešťov a rezervoárových hostiteľov patogénnymi mikroorganizmami (*Anaplasma phagocytophilum*, *Rickettsia* spp., *Coxiella burnetii*, *Candidatus Neorickettsia mikurensis*, *Borrelia burgdorferi* s.l., *Babesia* spp.), a na rozdiely v genetickej diverzite mikroorganizmov v rôznych biotopoch Slovenska. Potvrdili sme prítomnosť početnej populácie *I. ricinus* v Bratislavskom lesoparku a existenciu urbánnych a suburbánnych ohnisk kliešťami prenášaných nákaz. V kliešťoch sme zistili prítomnosť druhov Apicomplexa, ktoré sú nové pre územie Slovenska. V spolupráci s Univerzitou v Helsinkách sme v sérach hlodavcov odchytených na modelových lokalitách potvrdili prítomnosť protilátok proti vírusu kliešťovej encefalitídy a hlodavcami prenášaným vírusom (hantavírusy, LCMV, Poxviridae). Výsledky projektu sme prezentovali na medzinárodných konferenciách (V4 Parasitological Meeting – Parasites in the Heart of Europe, Joint 12th Biennial Conference of the Society for Tropical Veterinary Medicine (STVM) and the VIII International Conference on Ticks and Tick-borne Pathogens (TTP-8), 19th Conference of the European Society for Vector Ecology) a zverejnili v zborníkoch z konferencií vo forme abstraktov a v štyroch vedeckých publikáciách: Blaňarová L., Stanko M., Carpi G., Miklisová D., Víchová B., Mošanský L., Bona M., Derdáková M. 2014. Distinct *Anaplasma phagocytophilum* genotypes associated with *Ixodes trianguliceps* ticks and rodents in Central Europe. *Ticks and Tick-Borne Diseases* 5 (6), 928–938. (2.878 - IF2013).

Derdáková M., Václav R., Pangráčová- Blaňarová L., Selyemová D., Koči J., Walder G., Špitalská E. 2014. *Candidatus Neorickettsia mikurensis* and its co-circulation with *Anaplasma*

phagocytophilum in Ixodes ricinus ticks across ecologically different habitats of Central Europe. Parasites & Vectors 7, 160. (3.251 - IF2013)
Rizzoli A., Silaghi C., Obiegala A., Rudolf I., Hubálek Z., Földvári G., Plantard O., Vayssier-Taussat M., Bonnet S., Špitalská E., Kazimírová M. 2014. Ixodes ricinus and its transmitted pathogens in urban and peri-urban areas in Europe: new hazards and relevance for public health. Frontiers in Public health 2, 251.
Slovák M., Kazimírová M., Siebenstichová M., Ustaníková K., Klempa B., Gritsun T., Gould E.A., Nuttall P.A. 2014. Survival dynamics of tick-borne encephalitis virus in Ixodes ricinus ticks. Ticks and Tick-Borne Diseases 5 (6), 962-969. (2.878 - IF2013).

Programy: Iné

6.) Vplyv včelej materskej kašičky na regeneráciu kože: úloha matrix metaloproteinázy-9 (Effect of royal jelly on skin regeneration: the role of matrix metalloproteinase-9)

Zodpovedný riešiteľ: Juraj Majtán
Trvanie projektu: 1.10.2013 / 30.9.2014
Evidenčné číslo projektu: 0173
Organizácia je áno
koordinátorom projektu:
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: Yamada Bee Farm: 12609 €

Dosiahnuté výsledky:

Projekty národných agentúr

Programy: VEGA

1.) Stanovenie biologickej hodnoty odvodňovacích kanálov (Assessment of biological value of drainage ditches)

Zodpovedný riešiteľ: Tomáš Čejka
Trvanie projektu: 1.1.2014 / 30.12.2017
Evidenčné číslo projektu: 2/0102/14
Organizácia je áno
koordinátorom projektu:
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1585 €

Dosiahnuté výsledky:

2.) Taxonómia a fylogénia rodov Roraima Kodada & Jäch a Neblinagena Spangler (Coleoptera: Elmidae) (Taxonomy and phylogeny of genera Roraima Kodada & Jäch and Neblinagena Spangler (Coleoptera: Elmidae))

Zodpovedný riešiteľ: Fedor Čiampor
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 1/0395/14
Organizácia je koordinátorom projektu: nie
Koordinátor: Prírodovedecká fakulta, Univerzita Komenského
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1420 €

Dosiahnuté výsledky:

3.) Malé vysokohorské jazerá - citlivé indikátory environmentálnych zmien: benthické bezstavovce a faktory ovplyvňujúce rôzne úrovne ich diverzity (*Alpine ponds – sensitive indicators of environmental changes: macroinvertebrates and determinants of their multilevel diversity*)

Zodpovedný riešiteľ: Zuzana Čiamporová-Zaťovičová
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: VEGA 2/0081/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: VEGA: 6925 €

Dosiahnuté výsledky:

4.) Rozdiely reprodukčných a behaviorálnych parametrov trsteniarika bahenného (Acrocephalus scirpaceus) hniezdiaceho v dvoch rozdielnych typoch vegetácie v pálke (Typha sp.) a trsti obyčajnej (Phragmites australis). (*Differences in reproduction and behavioral parameters in reed warbler (Acrocephalus scirpaceus) nesting in two different microhabitats in cat tail (Typha sp.) and reed (Phragmites australis)*)

Zodpovedný riešiteľ: Alžbeta Darolová
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: 2/0077/11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4243 €

Dosiahnuté výsledky:

Darolová, A., Krištofík, J., Hoi, H. (2014) Vegetation type variation in marsh habitats: does it affect nest site selection, reproductive success, and maternal investment in Reed Warblers? Journal of Ornithology, Article in Press.

Krištofík, J., Darolová, A., Majtan, J., Okuliarová, M., Zeman, M., Hoi, H. (2014) Do females invest more into eggs when males sing more attractively? Postmating sexual selection strategies in a monogamous reed passerine. *Ecology and Evolution*, 4 (8), pp. 1328-1339.

Darolová A., Krištofík J., Hoi H. (2014) Are there habitat dependent differences in male quality in Eurasian reed warblers? The role of male song and feeding investment. *Tichodroma*, online first

5.) Genetická variabilita *Anaplasma phagocytophilum* a jej význam v epizootológii anaplazmózy voľne žijúcich a hospodárskych zvierat. (Genetic variability of *Anaplasma phagocytophilum* and its impact in the epizootiology of anaplasmosis of wild animals and livestock)

Zodpovedný riešiteľ: Markéta Derdáková
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: 2/0055/11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 6188 €

Dosiahnuté výsledky:

6.) Ostrovná biogeografia izolovaných vodných plôch (Island biogeography of the isolated water bodies)

Zodpovedný riešiteľ: Marta Illyová
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0055/11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4044 €

Dosiahnuté výsledky:

7.) Vplyv experimentálnych manipulácií jedincov hematofágneho ektoparazita *Carnus hemapterus* a saprofágnych/nektofágnych lariev dvojkrídlavcov na imunologické a kondičné parametre mláďat včelárika zlatého (*Merops apiaster*) (Influence of experimental manipulations of abundance of the haematophagous ectoparasite *Carnus hemapterus* and of saprophagous/necrophagous diptersn larvae on immunological and conditional parameters of European bee-eaters chicks (*Merops apiaster*))

Zodpovedný riešiteľ: Ján Krištofík
Trvanie projektu: 1.1.2013 / 31.12.2016

Evidenčné číslo projektu: 2/0137/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4231 €

Dosiahnuté výsledky:

8.) Antibakteriálne a imunomodulačné vlastnosti včelieho peptidu defenzínu-1 v procese hojenia chronických rán (*Antibacterial and immunomodulatory properties of bee defensin-1 in chronic wound healing process*)

Zodpovedný riešiteľ: Juraj Majtán
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0007/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 6962 €

Dosiahnuté výsledky:

9.) 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: 4049 €

Dosiahnuté výsledky:

10.) Evolučný význam predácie na životné stratégie rýb (*Evolutionary importance of predation rate on life history adaptations of fishes*)

Zodpovedný riešiteľ: Ladislav Pekárik
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0124/14

Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4026 €

Dosiahnuté výsledky:

11.) Kompetícia spermií a sexuálny kanibalizmus u modlivky zelenej (*Mantis religiosa*)

Zodpovedný riešiteľ: Pavol Prokop
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu: 2/0033/12
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 3118 €

Dosiahnuté výsledky:

12.) Nové trendy digitálnej morfometrie v taxonómii a semiautomatickej identifikácii ekonomicky významných fytofágnych Thysanoptera

Zodpovedný riešiteľ: Pavol Prokop
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: 1/0137/2011
Organizácia je koordinátorom projektu: nie
Koordinátor: Prírodovedecká Fakulta UK
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

13.) Identifikácia a expresia neuropeptidov v priadke morušovej (*Bombyx mori*) (*Identification and expression of neuropeptides in the silkworm (Bombyx mori)*)

Zodpovedný riešiteľ: Ladislav Roller
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0121/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0

Čerpané financie: VEGA: 5962 €

Dosiahnuté výsledky:

14.) Interakcie medzi kliešťami prenášanými mikroorganizmami a mechanizmy ich prenosu.
(*Interactions between tick-borne microorganisms and mechanisms of their transmission*)

Zodpovedný riešiteľ: Veronika Rusňáková Taragel'ová
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0108/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 6188 €

Dosiahnuté výsledky:

15.) Identifikácia nových antikoagulantov v slinných žľazách kliešťov (Acari: Ixodidae)
(*Identification of novel anticoagulants in salivary glands of ticks (Acari: Ixodidae)*)

Zodpovedný riešiteľ: Mirko Slovák
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu: 2/0060/12
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 5517 €

Dosiahnuté výsledky:

16.) Analýza výskytu a prenosu vybraných intracelulárnych patogénov u zvierat a ľudí a komplexné riešenie ich diagnostiky (*Analysis of the occurrence and transmission of selected intracellular pathogens in animals and humans and complex solution of their diagnostics*)

Zodpovedný riešiteľ: Michal Stanko
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: Lekárska fakulta UPJŠ Košice
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

17.) Postglaciálny vývoj prostredia v Tatrách: multidisciplinárna paleoekologická štúdia subalpínskeho jazera (*The Post-Glacial environmental history of the Tatra Mountains (Slovakia): a multidisciplinary palaeolimnological study of a sub-alpine lake*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu: 1/0180/12
Organizácia je koordinátorom projektu: nie
Koordinátor: Fakulta prírodných vied UMB
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1512 €

Dosiahnuté výsledky:

18.) Vplyv dlhodobých zmien na riečne kontinuum (diskontinuum) veľkých slovenských riek (*The Influence of long-termed changes on the river continuum (discontinuum) of large Slovakian rivers*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu: 1/0176/12
Organizácia je koordinátorom projektu: nie
Koordinátor: Prírodovedecká fakulta UK
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

19.) Vplyv krajiny na ekosystémy tečúcich vôd (*The landscape influence on the running water ecosystems*)

Zodpovedný riešiteľ: Ferdinand Šporka
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: 1/0705/11
Organizácia je koordinátorom projektu: nie
Koordinátor: katedra ekológie, Prírodovedecká fakulta UK Bratislava
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 604 €

Dosiahnuté výsledky:

20.) Krátkodobé a strednodobé výkyvy klimatických faktorov ako regulátor

Zodpovedný riešiteľ: Zbyšek Šustek
Trvanie projektu: 1.1.2014 / 31.12.2016
Evidenčné číslo projektu: 2/0101/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1904 €

Dosiahnuté výsledky:

21.) Šváby (Blattaria) z čeľade Nocticolidae – revízia, výskyt, rozšírenie, ekologické nároky (Cockroaches (Blattaria) from the family Nocticolidae – revision, occurrence, distribution and ecological requirements)

Zodpovedný riešiteľ: Ľubomír Vidlička
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0186/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4500 €

Dosiahnuté výsledky:

22.) Funkcia H-orgánu a katecholamínov pri správaní a vývine hmyzu.

Zodpovedný riešiteľ: Dušan Žitňan
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 7133 €

Dosiahnuté výsledky:

Programy: APVV

23.) Biodiverzita riečnych koridorov tropických pralesov: súčasný stav, vplyv antropogénnej činnosti a perspektíva obnovy (Biodiversity of river corridors in tropical forests: present state, human impacts and restoration perspectives)

Zodpovedný riešiteľ: Fedor Čiampor
Trvanie projektu: 1.5.2011 / 31.10.2014
Evidenčné číslo projektu: APVV-0213-10
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 3 - Slovensko: 3
Čerpané financie: APVV: 16444 €

Dosiahnuté výsledky:

Laššová, K., Čiampor Jr, F. & Čiamporová-Zaťovičová, Z. 2014. Two new Larinae species from Guayana region, Venezuela (Coleoptera: Elmidae). Zootaxa 3753 (2): 187-195.

24.) Klinické testovanie slovenského medovicového medu (*Clinical testing of slovak honeydew honey*)

Zodpovedný riešiteľ: Juraj Majtán
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: APVV-0115-11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie:

Dosiahnuté výsledky:

MAJTÁN, Juraj. Honey: An immunomodulator in wound healing. In Wound repair and regeneration, 2014, vol. 22, no. 2, p. 187–192. (2.768 - IF2013). ISSN 1067-1927. Typ: ADCA

MAYER, Alexandra - SLEZÁK, Viliam - TAKÁČ, Peter - OLEJNIK, J. - MAJTÁN, Juraj. Treatment of non-healing leg ulcers with honeydew honey. In Journal of Tissue Viability, 2014, vol. 23, iss. 3, p. 94-97. ISSN 0965206X. Typ: ADCA

25.) Manažment a ochrana dunajských jeseterov (*Danube sturgeons management and protection*)

Zodpovedný riešiteľ: Ladislav Pekárik
Trvanie projektu: 1.10.2013 / 30.9.2017
Evidenčné číslo projektu: APVV-0820-13
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 34724 €

Dosiahnuté výsledky:

26.) Využitie transgénnych postupov pri funkčnej analýze neuropeptidov a ich receptorov regulujúcich správanie a vývin hmyzu (*Utilization of transgenic approaches for functional analysis of neuropeptides and their receptors regulating behavior and development in insects*)

Zodpovedný riešiteľ: Ladislav Roller
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: APVV-0827-11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 32719 €

Dosiahnuté výsledky:

27.) Štruktúra ohnisk a vynárajúce sa choroby s dôrazom na úlohu drobných cicavcov v prírodných ohniskách urbánneho typu krajiny (*Structure of foci and emerging diseases with emphasis on role of rodents in urban type of natural foci of diseases*)

Zodpovedný riešiteľ: Michal Stanko
Zodpovedný riešiteľ v organizácii SAV: Markéta Derdáková
Trvanie projektu: 1.5.2011 / 31.10.2014
Evidenčné číslo projektu: APVV-0267-10
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 15100 €

Dosiahnuté výsledky:

28.) 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:
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 12627 €

Dosiahnuté výsledky:

29.) Výskum symbiontov bodaviek tsetse a ich účinok na na masovo chované kolónie
(Investigation of tsetse fly symbionts and their infect on mass reared colonies)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 1.1.2013 / 31.12.2014
Evidenčné číslo projektu: SK-GR-0063-11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 1394 €

Dosiahnuté výsledky:

30.) Nové postupy pri transformácii hmyzu *(Novel approaches in insect transformation)*

Zodpovedný riešiteľ: Dušan Žitňan
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu: SK-GR-0034-11
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 238 €

Dosiahnuté výsledky:

Programy: Štrukturálne fondy EÚ Výskum a vývoj

31.) Vývoj ekologických metód pre kontrolu populácií vybraných druhov lesných škodcov v zraniteľných vysokohorských oblastiach Slovenska *(Development of ecological methods for control of populations of selected forest pests in vulnerable alpine regions of Slovakia)*

Zodpovedný riešiteľ: Milan Kozánek
Trvanie projektu: 1.8.2010 / 31.7.2014
Evidenčné číslo projektu: ITMS-262400220087
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

32.) Univerzitný vedecký park Univerzity Komenského v Bratislave

Zodpovedný riešiteľ: Veronika Rusňáková Tarageľová
Trvanie projektu: 1.6.2013 / 1.6.2015
Evidenčné číslo projektu: ITMS 26240220086
Organizácia je koordinátorom projektu: nie
Koordinátor: Univerzita Komenského
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: ŠF: 13482 €

Dosiahnuté výsledky:

33.) Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení (*Research and development of new bioterapeutic methods and its application in some illnesses treatment*)

Zodpovedný riešiteľ: Peter Takáč
Trvanie projektu: 1.6.2010 / 31.5.2014
Evidenčné číslo projektu: ITMS-262400220030
Organizácia je koordinátorom projektu: nie
Koordinátor: Scientica, s.r.o.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie:

Dosiahnuté výsledky:

Programy: Iné projekty

34.) Dlhodobé udržateľné využitie biodiverzity Kénskej republiky cez bioprospekting a transfer modelovej biotechnológie (*Sustainable utilization of biodiversity of Kenya by bioprospecting and transfer of model biotechnology*)

Zodpovedný riešiteľ: Milan Kozánek
Trvanie projektu: 1.10.2013 / 30.9.2014
Evidenčné číslo projektu: SAMRS/2013/KEN/01/02
Organizácia je koordinátorom projektu: áno
Koordinátor: Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií: 1 - Keňa: 1
Čerpané financie: Slovak Aid: 59873 €

Dosiahnuté výsledky:

Príloha C

Publikačná činnosť organizácie (generovaná z ARL)

AAB Vedecké monografie vydané v domácich vydavateľstvách

- AAB01 STANKO, Michal. Ryšavka tmavopása (Apodemus agrarius, Rodentia) na Slovensku. Košice : Parazitologický ústav SAV : Equilibria, sro, Košice, 2014. 181 str. APVV-0267-10, Vega č. 1/0390/12. ISBN 978-80-89707-06-5.

ABA Články (štúdie a state) v časopisoch a zborníkoch v rozsahu vedeckej monografie vydané v zahraničných vydavateľstvách

- ABA01 MAŠÁŇ, Peter - HALLIDAY, Bruce. Review of the mite family Pachylaelapidae (Acari: Mesostigmata). In ZOOTAXA, 2014, vol.3776, no. 1, p. 1–66. (2014 - Current Contents). ISSN 1175-5334. Dostupné na internete: <<http://www.mapress.com/zootaxa/2014/f/z03776p066f.pdf>>.

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

- ADCA01 AMAT-VALERO, M. - CALERO-TORRALBO, Miguel A. - VÁCLAV, Radovan - VALERA, Francisco. Cavity types and microclimate: implications for ecological, evolutionary, and conservation studies. In International Journal of Biometeorology, 2014, vol. 58, iss. 9, p. 1983–1994. (2.590 - IF2013). (2014 - Current Contents). ISSN 0020-7128 (Print). Dostupné na internete: <<http://link.springer.com/article/10.1007/s00484-014-0801-0>>.
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- ADCA03 BARÁKOVÁ, Ivana - DERDÁKOVÁ, Markéta - CARPI, G. - ROSSO, Fausta - COLLINI, Margherita - TAGLIAPIETRA, V. - RAMPONI, Claudio - HAUFFE, Heidi - RIZZOLI, Annapaola. Genetic and Ecologic Variability among Anaplasma phagocytophilum Strains, Northern Italy. In Emerging Infectious Diseases, 2014, vol. 20, no. 6, p. 1082-1085. (7.327 - IF2013). (2014 - Current Contents). ISSN 1080-6040. FP7-261504 EDENext, Vega č.2/0055/11, APVV-0267-10.
- ADCA04 BENOIT, Joshua B. - HANSEN, Immo A. - ATTARDO, Geoffrey M. - MICHALKOVÁ, Veronika - MIREJI, Paul O. - BARGUL, Joel L. - DRAKE, Lisa L. - MASIGA, Daniel K. - AKSOY, Serap. Aquaporins Are Critical for Provision of Water during Lactation and Intrauterine Progeny Hydration to Maintain Tsetse Fly Reproductive Success. In Plos Neglected Tropical Diseases : a peer-reviewed open-access journal published by the Public Library of Sciences, 2014, vol. 8, iss. 4., e2517, 12 pp. (4.489 - IF2013). (2014 - Current Contents). ISSN 1935-2735 (electronic version). Dostupné na internete: <<http://www.plosntds.org/article/info%3Adoi%2F10.1371%2Fjournal.pntd.0002517>>.
- ADCA05 BENOIT, Joshua B. - ATTARDO, Geoffrey M. - MICHALKOVÁ, Veronika -

- KRAUSE, Tyler B. - BOHOVÁ, Jana - ZHANG, Q. - BAUMANN, Aaron A. - MIREJI, Paul O. - TAKÁČ, Peter - DENLINGER, David L. - RIBEIRO, J. M. C. - AKSOY, Serap. A Novel Highly Divergent Protein Family Identified from a Viviparous Insect by RNA-seq Analysis: A Potential Target for Tsetse Fly-Specific Abortifacients. In PLOS Genetics, 2014, vol. 10, iss. 4, e1003874, 21 pp. (2014 - Current Contents). ISSN 1553-7390. Dostupné na internete: <<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1003874>>.
- ADCA06 BLAŇAROVÁ, Lucia - STANKO, Michal - CARPI, G. - MIKLISOVÁ, Dana - VÍCHOVÁ, Bronislava - MOŠANSKÝ, Ladislav - BONA, Martin - DERDÁKOVÁ, Markéta. Distinct Anaplasma phagocytophilum genotypes associated with Ixodes trianguliceps ticks and rodents in Central Europe. In Ticks and Tick-Borne Diseases, 2014, vol. 5, no.6, p. 928–938. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X. Vega č. 2/055/11, Vega č. 1/0390/12, ITMS 26220220116 (0.1)., FP7-261504 EDENext.
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- ADCA09 BRELSFOARD, Corey - TSIAMIS, George - FALCHETTO, Marco - GOMULSKI, Ludvik M - TELLERIA, Erich - ALAM, Uzma - DOUDOUMIS, Vangelis - SCOLARI, Francesca - BENOIT, Joshua B. - SWAIN, Martin - TAKÁČ, Peter - MALACRIDA, Anna R. - BOURTZIS, Kostas - AKSOY, Serap. Presence of Extensive Wolbachia Symbiont Insertions Discovered in the Genome of Its Host Glossina morsitans morsitans. In Plos Neglected Tropical Diseases : a peer-reviewed open-access journal published by the Public Library of Sciences, 2014, vol. 8, iss. 4, p. -. (4.489 - IF2013). (2014 - Current Contents). ISSN 1935-2735 (electronic version).
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- ADCA15 ERMILOV, Sergey G. - KALÚZ, Stanislav. Novij vid pancirnikh kleshchej roda Rhynchoribates (Acari, Oribatida, Rhynchoribatidae) iz Ekvatora. In Zoologicheskij zhurnal / ZOOLOGICHESKY ZHURNAL (WOS), 2014, vol. 93, no. 4, p. 615-618. (0.194 - IF2013). (2014 - Current Contents). ISSN 0044-5134.
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- AFG05 MAJTÁN, Juraj - BOHOVÁ, Jana - VLČEKOVÁ, Paulína - KRUTÁKOVÁ, Barbora - SALUŠ, Juraj - MAJTÁN, Viktor. Honeydew honey – an effective wound healing agent with antibacterial, anti-biofilm and immunomodulatory properties. In Wound repair and regeneration. - Malden, (USA) : Wiley-Blackwell publishing, 2011, vol. 19 No. 5, p. A85, abstract No. 063. (3.443 - IF2010). (2011 - Current Contents). ISSN 1067-1927. Dostupné na internete:
<http://onlinelibrary.wiley.com/doi/10.1111/j.1524-475X.2011.00728.x/pdf>.

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1. [4] *FALISOVÁ A (2013) Apiterapia Liečba za pomoci včelích produktov str. 49-93 In: FALISOVÁ Anna, LENGYELOVÁ Tunde BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)*
http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

- AFG06 MAJTÁN, Juraj - BOHOVÁ, Jana - HORNIAČKOVÁ, M. - MADAKOVA, Zuzana - MAYER, Alexandra - OLEJNÍK, J. - KLAUDINY, Jaroslav - MAJTÁN, Viktor. Slovak honeydew honey – from basic science to clinical application : abstrakt. In XXXXIII International Apicultural Congress : Oral presentation abstracts & poster list. - Kyiv, Ukraine : Apimondia, 2013, p. 85. Dostupné na internete:
<http://apimondia2013.org.ua/en/congress-program/apitherapy.html>.

Citácie:

1. [4] *FALISOVÁ A (2013) Apiterapia Liečba za pomoci včelích produktov str. 49-93 In: FALISOVÁ Anna, LENGYELOVÁ Tunde BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp*

ISBN 978–80–971483–1–7 (Publikácia k projektu OPVV 26240220030

„Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)

http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

AFG07

MAJTÁN, Juraj - BOHOVÁ, Jana - HORNIAČKOVÁ, M. - MAJTÁN, Viktor. Anti-Biofilm Effects of Honey Against Wound Pathogens *Proteus Mirabilis* and *Enterobacter Cloacae* : poster. In XXXXIII International Apicultural Congress : Oral presentation abstracts & poster list. - Kyiv, Ukraine : Apimondia, 2013, aP 22, p. 330.

Citácie:

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http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

AFG08

MAJTÁN, Juraj. Dual action of honey in wound healing: antibacterial and immunomodulatory effect. In The 8th Apitherapy Congress of German Apitherapy Society. - Germany, 2010.

Citácie:

1. [4] FALISOVÁ A (2013) *Apiterapia Liečba za pomoci včelích produktov str. 49-93* In: FALISOVÁ Anna, LENGYELOVÁ Tunde *BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica , s.r.o. 185 pp* ISBN 978–80–971483–1–7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)

http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

AFG09

MAJTÁNOVÁ, Nora - ČERNÁK, Martin - NEKORANCOVÁ, Jana - ČERNÁK, Andrej - MAJTÁN, Juraj. Treatment of a corneal ulcer using honeydew honey. In Abstract Proceedings / 11th Asian Apicultural Association Conference ApiEXPO and Workshop. - Kuala Terengganu, Malaysia : Asian Apicultural Association, University Putra Malaysia, 2012, p. 104-105.

Citácie:

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http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

AFG10

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.

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1. [3] SKOŘEPA L., 2013: *Střevlíkovití (Carabidae) v lesních ekosystémech Beskyd.*, DIPLOMOVÁ PRÁCA Mendelova univerzita v Brně, Fakulta lesnická a dřevařská, Brno. 57 pp, Google Scholar

- AFG11 TAKÁČ, Peter - ČARNOGURSKÝ, Jozef. The effect of antibiotic and yeast treatment on *Glossina morsitans morsitans* and *Glossina fuscipes* fecundity and lifespan. In Third Research Co-ordination meeting On „Improving SIT for Tsetse Flies through Research on their Symbionts and Pathogens.

Citácie:

1. [4] FALISOVÁ A (2013) *Larválna Terapia str. 8-48* In: FALISOVÁ Anna, LENGYELOVÁ Tunde *BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)* http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

- AFG12 TAKÁČ, Peter. Discovery of the biologically active compounds from the insect salivary glands as a potential drugs. In 2nd International Conference on Drug Discovery&Therapy : abstracts book, s. 153.

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1. [4] FALISOVÁ A (2013) *Larválna Terapia str. 8-48* In: FALISOVÁ Anna, LENGYELOVÁ Tunde *BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)* http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

- AFG13 TAKÁČ, Peter - MAJTÁN, Juraj - NOVÁK, Petr - BOHOVÁ, Jana - ČAMBÁL, M. - KOZÁNEK, Milan. New antimicrobial factors of larval extracts of the blowfly *Lucilia sericata*. In 8th International Conference on Biotherapy : abstracts and Handouts, s. 20.

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AGI Správy o vyriešených vedecko-výskumných úlohách

- AGI01 ADAMKOVÁ, Juliana - HENSEL, K. - GREŠKOVÁ, Anna - KLOZÍK, Marcel - LEHOTSKÝ, Milan - OŤAHELOVÁ, Helena - ŠPORKA, Ferdinand - ŠTEFKOVÁ, Elena - VALACHOVIČ, Milan. *Príprava databázy hydromorfologických a biologických ukazovateľov pre proces výberu a charakterizácie referenčných miest podľa Smernice 2000/60/EC. Bratislava : Slovenský hydrometeorologický ústav, 2003. 126 s.*

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BBB Kapitoly v odborných monografiách vydané v domácich vydavateľstvách

- BBB01 DAROLOVÁ, Alžbeta. Vtáky. 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. ISBN 978-80-556-0220-2.
Citácie:
1. [10] DEMKO Miroslav, KRIŠTÍN Anton, PUCHALA Peter (2013) Červený zoznam vtákov Slovenska. *TICHODROMA* 25: 69-78, *Google Scholar*
- BBB02 ŠUSTEK, Zbyšek. Prenikanie niektorých xenocénnych druhov bystruškovitých do lužných lesov v oblasti Gabčíkova. In Výsledky a skúsenosti z monitorovania bioty územia ovplyvneného VD Gabčíkovo. - Bratislava : ÚZE SAV, 1995, s. 314-318.
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BCI Učebné texty obsahujúce metodické materiály, návody na cvičenia a pod. v rozsahu najmenej 3 AH

- BCI01 ČAMBÁL, M. - KOZÁNEK, Milan - TAKÁČ, Peter - MAJTÁN, Juraj. Larvoterapia a jej využitie v klinickej praxi. : Vysokoškolské učebné texty. Bratislava : Ústav zoológie Slovenskej akadémie vied : Lekárska fakulta Univerzity Komenského v Bratislave, 2012. 91 pp. ISBN
<http://www.uzsav.eu/documents/dokumenty34//Larvoterapia.pdf>.
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1. [4] FALISOVÁ A (2013) Larválna Terapia str. 8-48 In: FALISOVÁ Anna, LENGYELOVÁ Tunde BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“), *Google Scholar*

BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie...)

- BFA01 STANKO, Michal - MOŠANSKÝ, Ladislav - ČANÁDY, Alexander - MAŠÁN, Peter. Myš kopčiarka (Mus spicilegus, Petényi 1882) na východnom Slovensku. In Zoologické dny Brno 2003. Vedec. red. J. Bryja, J. Zukal. - Brno, únor 2003, str. __.
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1. [1.1] POLÁČIKOVÁ, Z. 2013. Ecology of mites (Acarina) on small mammals (Eulipotyphla, Rodentia) in Podunajská nížina plain. *Biologia*, 68 (1): 162-169, WOS

DAI Dizertačné a habilitačné práce

- DAI01 ŠUSTEK, Zbyšek. Role čeledí Carabidae a Staphylinidae v lesných geobiocenózách.

Brno : Vysoká škola zemědělská, lesnická fakulta, 1976. S. 64.

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FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)

FAI01 Príroda rezervácie Šúr. Editori: Oto Majzlan, Ľubomír Vidlička. Bratislava : Ústav zoológie SAV, 2010. 410 s. ISBN 978-80-970326-0-9.

Citácie:

1. [4] Jozef LACKO, Bystrík AMBRUŠ, Andrej FUPŠO (2013) *Ornitocenóza Šúrskeho rybníka a jeho blízkeho okolia.* p. 42 In: Ferko M., Farkaš P. (ed) *Interaktívna konferencia mladých vedcov 2013: Zborník abstraktov.* ISBN 978-80-970712-5-7 <http://www.preveda.sk/media/var/files/Zbornik%202013.pdf>, Google Scholar

FAI02 ŠPORKA, Ferdinand - BITUŠÍK, Peter - BULÁNKOVÁ, Eva - CSÉFALVAY, R. - ČEJKA, Tomáš - DERKA, Tomáš - ELEXOVÁ, Emília - HALGOŠ, Jozef - HAMERLÍK, Ladislav - ILLÉŠOVÁ, Daniela - JÄCH, Manfred A. - KODADA, J. - KOŠEL, V. - KRNO, Il'ja - NOVIKMEC, Milan - ČIAMPOROVÁ-ZAŤOVIČOVÁ, Zuzana. *Vodné bezstavovce (makrovertebráta) Slovenska, súpis druhov a autekologické charakteristiky.* ; editor: Ferdinand Šporka. Bratislava : Slovenský hydrometeorologický ústav, 2003. 590 s. ISBN 80-88907-37-3.

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2. [3] LEŠKOVÁ Jarmila & LÁNCZOS Tomáš (2013) *Rozdiely v druhovej diverzite pakomárov (Diptera, Chironomidae) nenarušených a degradovaných tokov Malých Karpát [Differences in the species diversity of chironomids (Diptera, Chironomidae) of undisturbed and disturbed streams in the Malé Karpaty Mts]* FOLIA FAUNISTICA SLOVACA 18 (1): 73–77 <http://www.ffs.sk/18-2013/10-leskova-lanczos/>, Google Scholar

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 MAJTÁN, Juraj. Antibiotiká verzus včelí med. In Vitalita : mesačník pre zdravý a pohodový život, 2010, č. 10, s. 63.

Citácie:

1. [4] FALISOVÁ A (2013) *Apiterapia Liečba za pomoci včelích produktov str.* 49-93 In: FALISOVÁ Anna, LENGYELOVÁ Tunde *BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia.* Historický ústav SAV, Scientica , s.r.o. 185 pp ISBN 978–80–971483–1–7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“) http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

GII02 MAJTÁN, Juraj. Znovuobjavenie medu modernou medicínou. In Včelár : odborný

mesačník Slovenského zväzu včelárov, 2010, roč 84, č. 2, s. 21-22.

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1. [4] *FALISOVÁ A (2013) Apiterapia Liečba za pomoci včelích produktov str. 49-93 In: FALISOVÁ Anna, LENGYELOVÁ Tunde BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)*
http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

GII03

MAJTÁN, Juraj. Med lieči detský kašeľ. In *Vitalita : mesačník pre zdravý a pohodový život*, 2010, č. 9, s. 63.

Citácie:

1. [4] *FALISOVÁ A (2013) Apiterapia Liečba za pomoci včelích produktov str. 49-93 In: FALISOVÁ Anna, LENGYELOVÁ Tunde BIOTERAPIA optikou histórie / larválna terapia, apiterapia, hirudoterapia, bakteriofágová terapia, ichtyoterapia, helmintoterapia. Historický ústav SAV, Scientica, s.r.o. 185 pp ISBN 978-80-971483-1-7 (Publikácia k projektu OPVV 26240220030 „Výskum a vývoj nových bioterapeutických metód a ich využitie pri liečbe niektorých závažných ochorení“)*
http://www.uzsav.eu/workspace/media/files/historia_bioterapie_final.pdf, Google Scholar

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

Ing. Juraj Majtán, PhD.

Názov semestr. predmetu: Mikrobiológia I

Počet hodín za semester: 2

Názov katedry a vysokej školy: Slovenská zdravotnícka univerzita v Bratislave, Ústav mikrobiológie

doc. RNDr. Michal Stanko, DrSc.

Názov semestr. predmetu: Parazitológia

Počet hodín za semester: 13

Názov katedry a vysokej školy: Univerzita Mateja Bela v Banskej Bystrici, Katedra prírodných vied

RNDr. Ferdinand Šporka, DrSc.

Názov semestr. predmetu: Hydrobiológia

Počet hodín za semester: 2

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

Semestrálne cvičenia:

RNDr. Ľubomír Vidlička, CSc.

Názov semestr. predmetu: Cvičenia zo zoológie bezstavovcov

Počet hodín za semester: 32

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

Semináre:

RNDr. Marta Illyová, PhD.

Názov semestr. predmetu: hydrobiológia

Počet hodín za semester: 2

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

RNDr. Dušan Žitňan, DrSc.

Názov semestr. predmetu: Genetika správania

Počet hodín za semester: 3

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

Terénne cvičenia:

RNDr. Marta Illyová, PhD.

Názov semestr. predmetu: hydrobiologia

Počet hodín za semester: 2

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

Individuálne prednášky:

RNDr. Marta Illyová, PhD.

Názov semestr. predmetu: zooplanktón

Počet hodín za semester: 2

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

RNDr. Dušan Žitňan, DrSc.

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

Počet hodín za semester: 2

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

RNDr. Dušan Žitňan, DrSc.

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

Počet hodín za semester: 2

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

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
Česko	Markéta Derdáková	5				
	Michal Chvostáč	5				
	Tatiana Vaculová	5				
Fínsko					Mária Kazimírová	5
					Michal Stanko	9
					Zuzana Svitáľková	9
Nemecko	Lenka Berthová	14			Katarína Goffová	20
	Markéta Derdáková	5				
	Michal Chvostáč	30				
	Mária Kazimírová	2				
	Zuzana Svitáľková	14				
	Tatiana Vaculová	30				
USA					Marek Semelbauer	14
Veľká Británia					Kristína Laššová	30
Počet vyslaní spolu	9	110			6	87

(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
Bielorusko					Zhanna Buseva	180
Bulharsko					Georgi Hristov Hristov	30
Česko					Jaromír Sed'a	23

Grécko	Luc Swevers	5				
Nemecko	Anna Obiegala	10				
Počet prijatí spolu	2	15			3	233

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

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Česko	AD 2014	Mária Habrmanová	2
	ISC 2014	Katarína Goffová	5
	MSVV 2014	Juraj Majtán	1
Etiópia	FAO/IAEA meeting	Veronika Michalková	7
		Peter Takáč	7
Grécko	19th E-SOVE	Mária Kazimírová	6
Holandsko	MOLI 2014	Ladislav Roller	5
JAR	STVM a TTP-8	Lenka Berthová	11
		Mária Kazimírová	11
		Mirko Slovák	11
		Michal Stanko	11
		Zuzana Svitáľková	11
Nemecko	ICD8	Helena Čičková	8
		Marek Semelbauer	8
Rumunsko	MS 2014	Zbyšek Šustek	5
	PSEM 2014	Emanuel Procházka	8
Španielsko	EWMA 2014	Jana Bohová	5
		Juraj Majtán	5
		Ivana Valachová	5
	Wetlands EPCN 2014	Fedor Čiampor	5
Spolu	12	20	137

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

Skratky použité v tabuľke C:

FAO/IAEA meeting - 2nd research co-ordination meeting FAO/IAEA "Enhancing Vector Refractoriness to Trypanosome Infection"

19th E-SOVE - 19th Conference of the European Society for Vector Ecology

AD 2014 - 39.angiologické dny 2014

EWMA 2014 - 24th conference of the European Wound Management Association

ICD8 - 8th International Congress of Dipterology

ISC 2014 - 19th International Symposium on Chironomidae

MOLI 2014 - 7th International Symposium on Molecular Insect Science

MS 2014 - The scientific international conference "Museum and Scientific"

MSVV 2014 - 3. odborná konferencie na téma „Ekologie chovu včel“

PSEM 2014 - Phytochemicals in Medicine and Pharmacognosy / Phytochemical Society of Europe Meeting 2014

STVM a TTP-8 - 2th Biennial Conference of the Society for Tropical Veterinary Medicine (STVM) and the VIII International Conference on Ticks and Tick-borne Pathogens (TTP-8)

Wetlands EPCN 2014 - International Wetlands Conference Huesca 2014