

Parazitologický ústav SAV, v. v. i.



**Výročná správa o činnosti a hospodárení
za rok 2025**

Košice
január 2026

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ČASŤ A

Parazitologický ústav SAV, v. v. i.

**Výročná správa o činnosti organizácie
za rok 2025**

1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Parazitologický ústav SAV, v. v. i.

Riaditeľ: MVDr. Emília Dvorožňáková, PhD.

Zástupca riaditeľa: RNDr. Ivica Hromadová, DrSc.

Vedecký tajomník: neuvedený

Predseda správnej rady: RNDr. Mikuláš Oros, DrSc.

Predseda vedeckej rady: MVDr. Martina Miterpáková, DrSc.

Predseda dozornej rady: prof. RNDr. Karol Marhold, DrSc.

Členovia Snemu SAV: MVDr. Daniela Antolová, DrSc., MVDr. Emília Dvorožňáková, PhD.

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Názvy a adresy organizačných zložiek a detašovaných pracovísk:

Organizačné zložky: nie sú

Detašované pracoviská: nie sú

Vedúci organizačných zložiek a detašovaných pracovísk:

Organizačné zložky: nie sú

Detašované pracoviská: nie sú

Členovia Snemu SAV za organizačné zložky:

nie sú

Typ organizácie: Verejná výskumná inštitúcia od roku 2022

1.2. Údaje o zamestnancoch

Tabuľka 1a Počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T	O
		M	Ž	M	Ž				
Celkový počet zamestnancov	50	13	37	1	8	44	49.26	39.13	2
Vedeckí pracovníci	36	11	25	1	7	32	35.26	34.43	0
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci ¹)	8	0	8	0	1	6	8	3.7	0
Odborní pracovníci VŠ (ostatní zamestnanci ²)	0	0	0	0	0	0	0	0	0
Odborní pracovníci ÚS	4	0	4	0	0	4	4	1	2
Ostatní pracovníci	2	2	0	0	0	2	2	0	0

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

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

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2025 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiach v zahraničí, v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiach v zastupiteľských zboroch)

F – fyzický stav zamestnancov k 31.12.2025 (bez riadnej materskej dovolenky, zamestnancov pôsobiach v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiach v zastupiteľských zboroch)

P – celoročný priemerný prepočítaný počet zamestnancov

T – celoročný priemerný prepočítaný počet riešiteľov projektov

O – celoročný priemerný prepočítaný počet obslužného personálu podieľajúceho sa na riešení projektov (technikov, laborantov, projektových manažérov a pod.) mimo zamestnancov v administratívne, správe a údržbe budov, upratovačiek, vodičov a pod.

M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2025)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	II.a.	II.b.
Muži	3	8	2	1	3	6	2
Ženy	4	24	0	2	4	12	9

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	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Muži	1	1.0	1	1.0	2	2.0	0	0.0	2	2.0	1	1.0	1	1.0	2	1.5	1	0.6
Ženy	0	0.0	3	3.0	3	3.0	6	6.0	4	4.0	7	7.0	3	3.0	3	3.0	0	0.0
Spolu	1	1.0	4	4.0	5	5.0	6	6.0	6	6.0	8	8.0	4	4.0	5	4.5	1	0.6

A - Prepočet bez zohľadnenia úväzkov zamestnancov

B - Prepočet so zohľadnením úväzkov zamestnancov

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2025

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	49.2	48.7	48.7
Ženy	45.8	44.2	48.1
Spolu	46.7	45.6	48.2

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

V roku 2025 bol aktualizovaný organizačný poriadok Parazitologického ústavu SAV, v. v. i. (ďalej aj PaÚ SAV alebo PaÚ). Podrobnejšie informácie sú uvedené v kapitole 11.4. tejto správy.

K 31.12.2025 bolo na PaÚ SAV zamestnaných 50 osôb, z toho 36 vedeckých pracovníkov s vedeckým kvalifikačným stupňom I, IIa alebo IIb, 8 odborní pracovníci s VŠ vzdelaním, 4 odborní pracovníci s úplným stredoškolským vzdelaním a dvaja ostatní pracovníci prevádzkového úseku.

Po úspešnej obhajobe doktorandskej práce bol s účinnosťou od 22.8.2025 prijatý do pracovného pomeru končiaci doktorand RNDr. Lukáš Ihnacik, PhD.

Na materskej alebo rodičovskej dovolenke boli k 31.12.2025 dve odborné pracovníčky s VŠ vzdelaním, Mgr. Helena Novická a RNDr. Patrícia Schmer Jakšová, PhD., a štyri vedecké pracovníčky, Mgr. Alžbeta Radačovská, PhD., MVDr. Miroslava Petrová, PhD., RNDr. Júlia Halapy, PhD. a MVDr. Michaela Komáromyová, PhD.

K 31.8.2025 bol po 12 mesiacoch ukončený pracovný pomer s vedeckou pracovníčkou Mgr. Veronikou Blažekovou, PhD.

2. Vedecko-výskumná činnosť – projekty, výsledky

2.1. Domáce projekty

Tabuľka 2a Domáce projekty riešené v roku 2025

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organi- záciu	Spolu	Pre organi- záciu		
1. Projekty VEGA	12	0	-	115 116	-	19 560	-	-
2. Projekty APVV	3	2	-	-	-	132 065	-	11 952
3. Projekty EŠIF/OP ŠF, Plán obnovy EÚ	2	0	-	-	-	226 317	-	-
4. Projekty SASPRO	0	0	-	-	-	-	-	-
5. Projekty IMPULZ	0	0	-	-	-	-	-	-
6. Iné projekty (FM EHP, Vedecko-technické projekty, na objednávku rezortov a pod.)	5	0	-	5 500	-	106 920	-	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Domáce projekty podané v roku 2025

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2025	-	3	1
2. Projekty výziev EŠIF podané r. 2025	Bratislava	0	0
	Regióny	0	0

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2025

Tabuľka 2c Medzinárodné projekty riešené v roku 2025

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organi-záciu	Spolu	Pre organi-záciu		
1a. Projekty Horizont 2020	0	0	-	-	-	-	-	-
1b. Projekty Horizont Európa	0	0	-	-	-	-	-	-
2. Projekty ERA.NET, ESA, JRP	1	0	-	-	-	-	-	-
3. Projekty COST	0	2	-	-	-	-	3 375	-
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVF, ERDF a iné	1	0	-	-	-	4 000	-	-
5. Projekty v rámci medzivládnych dohôd	2	0	-	-	-	2 350	-	-
6. Projekty Mobility, Mobility Basic, Open Mobility a Mobility Visit	1	0	-	1 500	-	-	-	-
7. Bilaterálne projekty ostatné	1	0	-	-	-	3 000	-	-
8. Podpora MVTS z národných zdrojov (SAV, APVV a iné)	2	1	-	-	-	28 334	-	4 603
9. Podpora excelentného výskumu: SAS-UPJŠ ERC Visiting Fellowship Grants, Seal of Excellence, TANDEM	1	0	-	-	-	8 000	-	-
10. Iné projekty	0	1	-	-	-	-	-	13 301

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty Horizont Európa podané v roku 2025

Tabuľka 2d Počet projektov Horizont Európa v roku 2025

	A	B
Počet podaných projektov I. pilier (Excelentná veda: MSCA, ERC, RI)	0	0
Počet podaných projektov II. pilier (klastre 1-6)	0	0
Počet podaných projektov III. pilier (EIC, EIT)	0	0
Počet podaných projektov Widera (Teaming, Twinning, Hop On Facility ...)	0	0

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe A-2.

2.2.3. Zámery na čerpanie Európskych štrukturálnych a investičných fondov v ďalších výzvach

PaÚ SAV, v. v. i. je partnerom v podanej žiadosti o nenávratný finančný príspevok pre národný projekt „Rozvoj konceptu otvorenej výskumnej infraštruktúry SAV pre aplikovaný výskum v podmienkach SR“ v rámci Programu Slovensko, spolufinancovaného Európskou úniou. Po obnove prístrojovej infraštruktúry laboratória v rámci aktivity PARAS-LAB: Aplikačné centrum ochrany pred parazitmi, bude PaÚ SAV vykonávať výskumnú činnosť založenú na multidisciplinárnych prístupoch s výrazným presahom do aplikačnej a spoločenskej sféry. Laboratórium poskytne expertízu a vybavenie pre diagnostické a analytické postupy pre detekciu pôvodcov parazitóz u ľudí, zvierat a rastlín. Zameria sa na diagnostiku nielen aktuálnych, ale aj novo, či znova sa objavujúcich parazitóz, zlepšovanie existujúcich a zavádzanie nových a alternatívnych terapeutických prístupov a sledovanie kontaminácie prostredia v súvislosti so šírením parazitov.

2.3. Výber najvýznamnejších výsledkov vedeckej práce organizácie v roku 2025

2.3.1. Výsledky na báze základného výskumu

Názov: Hodnotenie farmakologického potenciálu flavonolignanov silybínu, silichristínu a 2,3-dehydrosilybínu na modelové bunky izolované zo sleziny myši Balb/c

Silymarín je komplex flavonolignanov izolovaných zo semien pestreca mariánskeho (*Silybum marianum* L., Asteraceae), ktorý sa tradične využíva ako podporný terapeutický prostriedok pri ochoreniach pečene. Okrem hepatoprotektívneho účinku boli v mnohých štúdiách preukázané aj jeho antioxidačné, protinádorové, hypocholesterolemické, kardioprotektívne a imunomodulačné vlastnosti.

Splenocyty izolované zo sleziny myši predstavujú citlivý model primárnych buniek vhodný na hodnotenie biologickej aktivity a farmakologického potenciálu prírodných látok. Kultivácia týchto buniek za štandardných *in vitro* podmienok (37 °C, 5 % CO₂, atmosférický obsah kyslíka) počas 24 hodín viedla k významnému poklesu životaschopnosti buniek v porovnaní s čerstvo izolovanými bunkami, čo poukazuje na vznik oxidačného stresu vyvolaného nefyziologickým kultivačným prostredím.

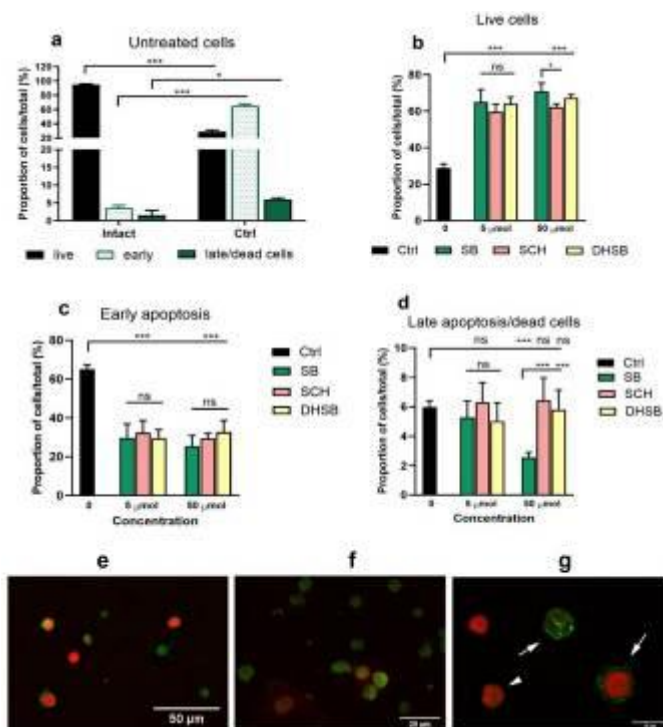
Ochranný účinok testovaných flavonolignanov, konkrétne silybínu (SB), silichristínu (SCH) a 2,3-dehydrosilybínu (DHSB) na splenocyty sa prejavil už pri nízkych koncentráciách (5 µmol/l). Pri vyššej koncentrácii testovaných látok (50 µmol/l) došlo k obnoveniu, respektíve zvýšeniu životaschopnosti buniek, k zlepšeniu funkcie mitochondrií a dokonca k potlačeniu procesu bunkovej smrti (apoptózy). Intenzita týchto účinkov sa znižovala v poradí SB > DHSB > SCH.

Testované flavonolignany mali tiež dávково závislý účinok na obnovu oxidačno-redukčnej rovnováhy v bunkách. Tento efekt sa prejavil zmenami hladín reaktívnych foriem kyslíka (ROS), peroxidu vodíka (H₂O₂) a oxidu dusnatého (NO), pričom účinnosť sa znižovala v poradí: DHSB > SCH > SB.

Podobné účinky sa potvrdili aj na úrovni génovej expresie. Látky znižovali aktivitu génov zodpovedných za antioxidačnú obranu buniek, konkrétne génov pre transkripčný faktor Nrf2, katalázu a glutatión peroxidázu. Naopak, výrazne zvyšovali expresiu génu pre superoxiddismutázu 1 (SOD1), enzým, ktorý premieňa reaktívne formy kyslíka na peroxid vodíka. To poukazuje na jeho kľúčovú úlohu pri udržiavaní rovnováhy oxidačných procesov v splenocytoch, ktorá bola narušená oxidačným stresom spôsobeným

nefyziologickými kultivačnými podmienkami. Štúdia preukázala výrazné rozdiely v ochranných, antioxidantných a antiapoptotických účinkoch jednotlivých flavonolignanov na splenocyty vystavené miernemu oxidačnému stresu, ako aj na bunky, v ktorých bol oxidačný stres umelo vyvolaný.

Obr. 1. Apoptóza v splenocytoch. (a–d) Podiel živých buniek, buniek v skorom a neskorom štádiu apoptózy (vrátane odumretých buniek) bol stanovený prietokovou cytometriou po farbení aneXinóm V a propídiovým jodidom. Analýza zahŕňala intaktné bunky, kontrolné bunky (Ctrl) a bunky ošetrované silybínom (SB), silychristínom (SCH) alebo 2,3-dehydrosilybínom (DHSB) v koncentráciách 5 alebo 50 $\mu\text{mol/ml}$. Výsledky sú uvedené ako priemer $\pm$ SD ($n = 6$); štatistická významnosť je označená * $p < 0,05$, *** $p < 0,001$, ns – nevýznamné. (e–g) Imunofluorescenčné snímky znázorňujú lokalizáciu antiapoptického proteínu Bcl-xL v kontrolných splenocytoch a v bunkách ošetrovaných SB alebo DHSB (50 $\mu\text{mol/ml}$). Zelená farba označuje Bcl-xL, červená bunkové jadrá; hrot šípky označuje odumierajúcu bunku s fragmentovaným jadrom.



Projekty: APVV-17-0410; VEGA 2/0033/21; COST - CA21111

Riešitelia: HRČKOVÁ Gabriela, FEČOVÁ JURČACKOVÁ Zuzana

Publikácia:

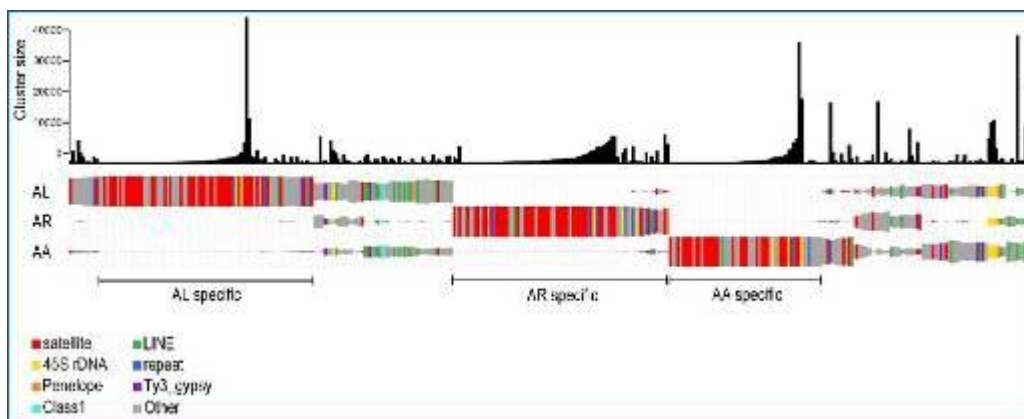
JURČACKOVÁ, Zuzana - HRČKOVÁ, Gabriela** - MUDROŇOVÁ, Dagmar - ALEXOVIČ MATIAŠOVÁ, A. - BIEDERMANN, David. Flavonolignans silybin, silychristin and 2,3-dehydrosilybin showed differential cytoprotective, antioxidant and anti-apoptotic effects on splenocytes from Balb/c mice. In Scientific Reports, 2025, vol. 15, art. no. 5631. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

Názov: Cytogenetická analýza repetitívnych sekvencií črevných parazitov rýb

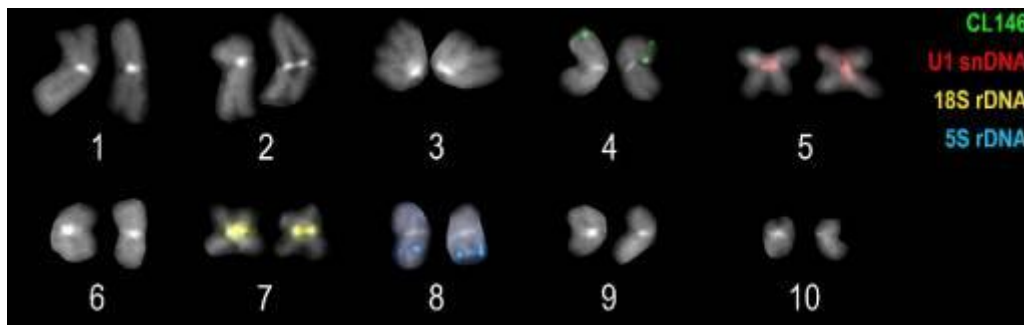
Repetitívne sekvencie predstavujú významnú organizačnú zložku eukaryotických genómov a môžu tvoriť až 80 % ich obsahu. Súhrnne označované ako „repeatom“, zahŕňajú najmä tandemové repetície (satelitnú DNA) a transponovateľné elementy (TE), ktoré tvoria ich najväčší podiel. Analýza repetitívnej DNA je kľúčová pre pochopenie štruktúry a evolúcie genómov, ako aj genómovej diverzity a v karyologických analýzach. Informácie o repetitívnej DNA endoparazitov sú obmedzené a pochádzajú prevažne z genomických štúdií, ktoré len okrajovo riešia podiel a diverzitu repetitívnych elementov u konkrétnych druhov.

V našich prácach sme zaviedli nový metodologický prístup do cytogenetického štúdia parazitov, založený na kombinácii bioinformatických (RepeatExplorer2), molekulárnych a cytogenetických techník. Po prvýkrát sme identifikovali a charakterizovali repetitívne sekvencie v genómoch črevných endoparazitov rýb a žiab pomocou sekvenovania genómovej DNA s nízkou hĺbkou pokrytia. Analýza náhodnej vzorky 700 000 sekvencií odhalila, že u druhov rodu *Acanthocephalus* prevažovala satelitná DNA, pričom samčie genómy vykazovali vyšší obsah satelitných repetícií než samičie (*A. lucii* - 9,87 % ♀/13,75 % ♂; *A. ranae* - 8,77 % ♀/ 10,29 % ♂). Naopak v genóme pásomnice *Caryophyllaeus laticeps* dominovali transponovateľné elementy (LINEs, Ty-3/Gypsy, Penelope). „Repeatom“ jednotlivých genómov bol analyzovaný s cieľom identifikovať druhovo špecifické satelitné repetície využiteľné ako

nové chromozómové markery. Pomocou fluorescenčnej *in situ* hybridizácie bolo na chromozómoch mapovaných 5 satelitov u *A. anguillae*, 2 u *A. lucii* a 6 u *A. ranae*. U *C. laticeps* bolo lokalizovaných 8 repetitívnych elementov (5 satelitov a 3 TE). Táto analýza nám umožnila odhaliť a definovať aj dve veľké repetitívne génové rodiny, malú jadrovú U1 DNA (snDNA) a 5S rDNA. Významným prínosom je nielen prvá charakterizácia repetitívnej DNA týchto parazitov, ale aj identifikácia nových chromozómových markerov, ktoré umožnili presnú identifikáciu homologických chromozómových párov, a ktoré zároveň predstavujú kľúčový nástroj pre objasnenie možných scenárov reorganizácie karyotypov parazitov v priebehu ich evolúcie. Získané výsledky poukazujú na potrebu rozšírenia „repeatom“ analýzy u ďalších druhov parazitov s cieľom hlbšieho pochopenia evolučných vzťahov medzi blízko príbuznými taxónmi, ako aj vplyvu genetických zmien na procesy druchovej diverzifikácie.



Obr. 1 Grafické znázornenie repetitívnych sekvencií troch druhov rodu *Acanthocephalus*. Farba obdĺžnikov predstavuje anotáciu jednotlivých klastrov pomocou RepeatExplorer2.



Obr. 2 Karyotyp pásomnice *Caryophyllaeus laticeps* ukazujúci mapované satelitné repetície.

Projekt: VEGA 2/0093/23

Riešitelia: OROSOVÁ Martina, MARKOVÁ Anna, LISITSYNA Oľga, OROS Mikuláš,

Publikácie:

MARKOVÁ, Anna - OROSOVÁ, Martina - MORA, Pablo - BENOVIČS, Michal - LORITE, Pedro. The first insight into *Acanthocephalus* (Palaeacanthocephala) satellitome: species-specific satellites as potential cytogenetic markers. In Scientific Reports, 2025, vol. 15, no. 1, art. no. 2945. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

OROSOVÁ, Martina** - MARKOVÁ, Anna. Karyological analysis of *Acanthocephalus ranae* (Echinorhynchida): expanding the cytogenetic knowledge in acanthocephalans. In Zookeys, 2025, issue 1243, p. 173-189. (2024: 1.3 - IF, Q2 - JCR, 0.583 - SJR, Q1 - SJR). ISSN 1313-2989. Typ: ADCA

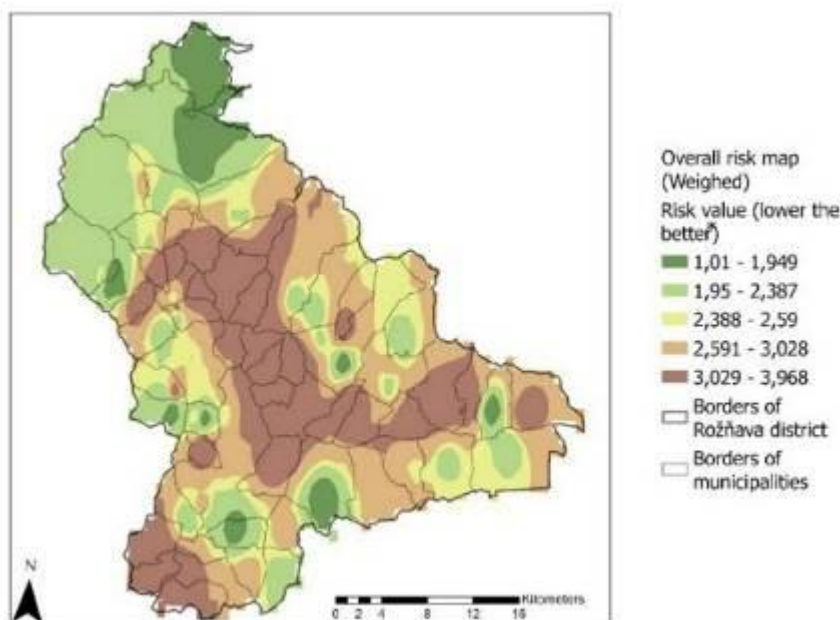
MARKOVÁ, Anna - OROSOVÁ, Martina**. Discovery of new chromosomal markers through repeatome analysis of *Caryophyllaeus laticeps* (Caryophyllidae). In Parasitology Research, 2025, vol. 124, art. no. 84. (2024: 2 - IF, Q3 - JCR, 0.565 - SJR, Q1 - SJR). ISSN 0932-0113. Typ: ADCA

2.3.2. Výsledky aplikačného typu

Názov: **Endoparazity - nový multidisciplinárny prístup k hodnoteniu rizika ich výskytu**

Marginalizované komunity v Európe dlhodobo čelia kombinácii environmentálnych, infraštruktúrnych a sociálnych znevýhodnení, ktoré zvyšujú riziko ochorení. Údaje z dostupných štúdií o zdravotnej neistote a dostupnosti vody v marginalizovaných komunitách poukazujú na metodickú nejednotnosť, nízky počet vzoriek, obmedzené využívanie geopriestorových analýz a chýbajúce údaje o kvalite vody a sanitácie. Na doplnenie týchto chýbajúcich informácií sa po prvýkrát v Európe využila kombinácia parazitologického, sociálneho, geografického a technologického výskumu na komplexné hodnotenie rôznych faktorov a ich vplyvu na výskyt endoparazitov. Epidemiologická a priestorová analýza v modelových lokalitách ukázala, že *Ascaris lumbricoides* a *Giardia duodenalis* patria medzi najčastejšie endoparazity u ľudí. Vyskytujú sa hlavne u minority (15,92 %) s 22-násobne vyššou pravdepodobnosťou nákazy v porovnaní s majoritou. Korelačnou analýzou sa zistilo, že kľúčovými rizikovými faktormi prenosu endoparazitov sú hustota obyvateľstva a minoritnej populácie, dostupnosť kanalizácie a vodovodu, ale aj úroveň vzdelania. Na základe získaných údajov sa pomocou „suitability“ prístupu vytvorili mapy rizika, pomocou ktorých sa dajú identifikovať oblasti s najvyšším rizikom prenosu endoparazitov (Obr. 1). Tento prístup je možné aplikovať aj na širšie územie pri hodnotení ich výskytu u zvierat a v prostredí. Výskum potvrdil, že zdravotné riziká a výskyt endoparazitov v marginalizovaných komunitách sú výsledkom kombinácie

environmentálnych, infraštruktúrnych, sociálnych a ekonomických faktorov. Tento nový integrovaný prístup tak zlepšuje získavanie spoľahlivých a aktuálnych informácií trianguláciou údajov z viacerých perspektív, čo sa môže využiť pri tvorbe cieľených intervencií a stratégií na skvalitnenie životných podmienok týchto komunít.



Obr. 1: Mapa rizika prenosu a šírenia sa endoparazitov u ľudí v modelovej lokalite.

Projekty: VEGA 2/0069/25; NWO SGW OC XS, #406.X5.24.01.042; APVV-18-0351

Riešitelia: IHNACIK Lukáš, PAPAJOVÁ Ingrid, ŠMIGOVÁ Júlia

Publikácie:

IHNACIK, Lukáš - ŠMIGOVÁ, Júlia - PAPAJOVÁ, Ingrid**. Identification of risk factors and high-risk areas for transmission of intestinal parasites in model locality in Slovakia. In Scientific Reports, 2025, vol. 15, art. no. 25811. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

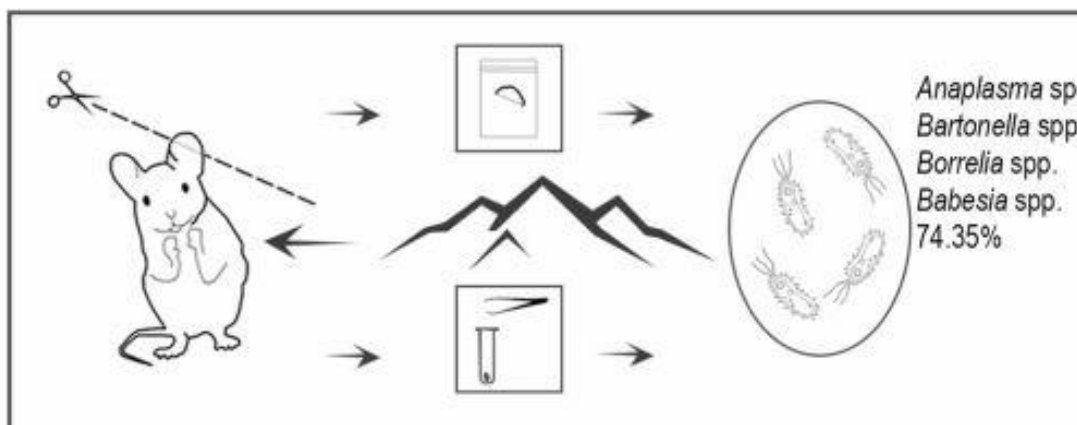
ANTHONJ, Carmen** - SETTY, Karen - HOESER, Christoph - BROWN, Joe - IHNACIK, Lukáš - POAGUE, Kasandra. Assessing water and health insecurity in informal settlements: Bringing Europe's invisible, marginalized Roma communities into focus. A systematic scoping review. In Social Science & Medicine, 2025, vol. 384, art no. 118526. (2024: 5 - IF, Q1 - JCR, 2.103 - SJR, Q1 - SJR). ISSN 0277-9536. Typ: ADCA

Názov: Drobné cicavce ako rezervoár vektormi prenášaných patogénov vo Vysokých Tatrách

Populácie drobných cicavcov predstavujú kľúčovú zložku prírodných ohnísk vektormi prenášaných nákaz, pričom ich úloha v udržiavaní a cirkulácii patogénov je zásadná najmä v horských a chránených oblastiach s vysokou biodiverzitou. Vysoké Tatry patria medzi významné prírodné regióny Slovenska, kde sa stretáva intenzívna turistická aktivita s výskytom viacerých parazitov a patogénov so zoonóznym potenciálom.

V štúdiu bola komplexne zhodnotená úloha drobných cicavcov ako hostiteľov vybraných vektormi prenášaných patogénov v oblasti Vysokých Tatier. Pomocou moderných molekulárnych metód boli u viacerých druhov drobných cicavcov detegované patogény s významným zoonotickým potenciálom, vrátane *Borrelia burgdorferi* sensu lato (11,5 %), *Anaplasma phagocytophilum* (1,9 %), *Babesia microti* (3,2 %) a *Bartonella* spp. (57,7 %), ktoré patria medzi pôvodcov ochorení prenášaných kliešťami a ďalšími hematofágnymi článkonožcami. Celková prevalencia vektormi prenášaných patogénov dosiahla viac ako 74 % a tieto výsledky potvrdili, že drobné cicavce fungujú ako dôležité rezervoáre týchto mikroorganizmov a významne sa podieľajú na ich cirkulácii v prírodnom prostredí.

Získané údaje sú mimoriadne cenné pre hodnotenie infekčného tlaku prostredia v jednej z najnavštevovanejších horských oblastí Slovenska. Identifikácia konkrétnych hostiteľských druhov a patogénov poskytuje podklad pre ciele epidemiologický dohľad, plánovanie preventívnych opatrení a tvorbu stratégií monitoringu zoonóz v chránených územiach. Výsledky práce poukazujú na potrebu integrovaného prístupu spájajúceho ekologický výskum, parazitológiu a epidemiológiu.



Projekty: APVV-21-0166, VEGA 2/0014/21, VEGA 2/0051/24

Riešitelia: VÍCHOVÁ Bronislava; STANKO Michal; MITERPÁKOVÁ Martina; HURNÍKOVÁ Zuzana; SYROTA Yaroslav; SCHMER-JAKŠOVÁ Patrícia; KOMOROVÁ Petronela; VARGOVÁ Lucia; ZUBRIKOVÁ Dana; ŠVIRLOCHOVÁ Klaudia Mária

Publikácia:

VÍCHOVÁ, Bronislava - STANKO, Michal - MITERPÁKOVÁ, Martina - HURNÍKOVÁ, Zuzana - SYROTA, Yaroslav - SCHMER JAKŠOVÁ, Patrícia - KOMOROVÁ, Petronela - VARGOVÁ, Lucia - BLAŽEKOVÁ, Veronika - ZUBRIKOVÁ, Dana - ŠVIRLOCHOVÁ, Klaudia Mária - CHOVANCOVÁ, Gabriela. Small mammals as hosts of vector-borne pathogens in the High Tatra Mountains region in Slovakia, Central Europe. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 7, art. no. 100240. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA (decil 1)

2.3.3. Výsledky na báze medzinárodnej spolupráce

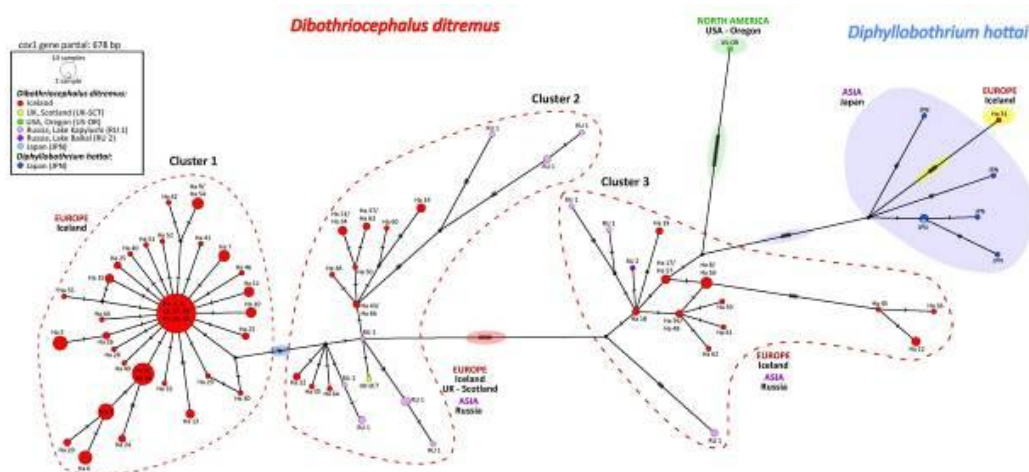
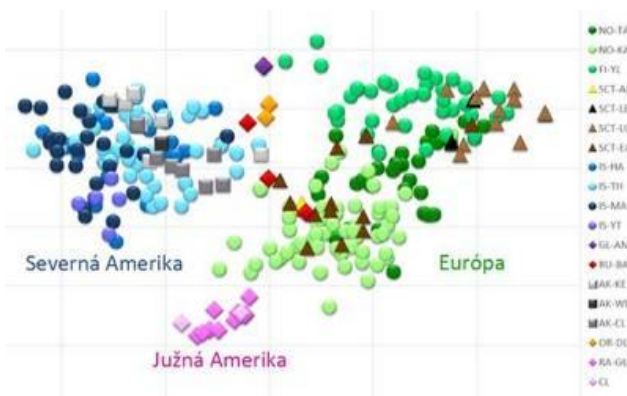
Názov: Medzikontinentálne rozšírenie a migrácia difylobothriidných pásomníc (Cestoda: Diphylobothriidea) mierneho a subarktického pásma

Pásomnice *Dibothriocephalus dendriticus* a *Dibothriocephalus ditremus* sú parazity vodného vtáctva, pričom v prípade *D. dendriticus* ide o euryxénneho parazita napádajúceho aj rybožravé cicavce, vrátane človeka, ktorý sa môže nakaziť konzumáciou surových rýb. Ich larválne štádiá (plerocerkoidy) sú lokalizované v cystách brušnej dutiny sladkovodných rýb, najmä lososovitých (Obr. č. 1A). Oba druhy majú cirkumpolárne rozšírenie s výskytom v arktických/subarktických a miernych oblastiach severnej pologule (Európa, Severná Amerika a Ázia) (Obr. č. 1B). Druh *D. dendriticus* bol navyše zavlečený do oblasti Patagónie (Čile a Argentína). V rámci rozsiahlej medzinárodnej spolupráce a prostredníctvom analýzy mitochondriálnych génov a mikrosatelitových lokusov sme študovali genetické vzťahy u 20 populácií *D. dendriticus* z 9 krajín a 4 kontinentov s cieľom zistiť ich fylogeografický pôvod a migračné trasy. Odhalili sme, že vývoj druhu *D. dendriticus* prebiehal v Severnej Amerike a v Eurázii nezávisle a izolovane. Genetická štruktúra populácií *D. dendriticus* z Islandu poukázala na ich zmiešaný palaearktický a nearktický pôvod, ktorý bol dôsledkom transkontinentálnej introdukcie parazita z Európy a Severnej Ameriky prostredníctvom migrujúceho vtáctva (Laridae). Molekulárnymi metódami bol determinovaný aj zmiešaný pôvod introdukovaných populácií parazita v Argentíne a Čile, ktoré boli zavlečené človekom z Európy a vtákmi zo Severnej Ameriky (Obr. č. 2). Štúdiá zároveň prináša prvé a originálne informácie o výskyte, vysokej intenzite infekcie a prevalencii *D. dendriticus* a *D. ditremus* na Islande, ktoré sa opierajú o výsledky molekulárnej genotypizácie, navrhnuť riešiteľským kolektívom. Analýzou ich genetickej štruktúry bola zistená vysoká miera vnútroruhovej genetickej variability druhu *D. ditremus* (Obr. č. 3), zatiaľ čo u *D. dendriticus* bola zaznamenaná výrazne nižšia miera polymorfizmu. Výsledky analýz naznačili možný výskyt ďalších druhov difylobothriidných pásomníc rodu *Dibothriocephalus*/*Diphylobothrium* v Severnej Európe. Doteraz získané údaje o genetickom polymorfizme *D. ditremus* poskytli základné informácie potrebné pre budúce populačno-genetické analýzy nearktických a palaearktických populácií tohto parazita zamerané na determináciu ich pôvodu a migračných trás.



Obr. č. 1. A: Cysty s larválnymi štádiami pásomníc *Dibothriocephalus dendriticus* a *D. ditremus* v brušnej dutine sivoňa alpského *Salvelinus alpinus* z Islandu; **B:** mapa rozšírenia pásomníc.

Obr. č. 2. Genetická štruktúra 20 populácií *D. dendriticus* z 9 krajín Severnej Ameriky, Európy a Južnej Ameriky odvodená na základe Principal Coordinate Analysis (PCoA) analýzy mikrosatelitových lokusov.



Obr. č. 3. Sieťový haplotypový diagram založený na mitochondriálnych *cox1* haplotypoch *D. ditremus* z Islandu, Škótska, Ruska, USA/Oregonu a Japonska a *Diphyllbothrium hottai* z Japonska.

Projekty: APVV-23-0390

Riešitelia: KRÁLOVÁ-HROMADOVÁ Ivica; ČISOVSKÁ BAZSALOVICSOVÁ Eva; RADAČOVSKÁ Alžbeta; DINISOVÁ Lucia; JUHÁSOVÁ Ľudmila

Publikácie:

KRÁLOVÁ-HROMADOVÁ, Ivica - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - RADAČOVSKÁ, Alžbeta - ŠOLTYS, Katarína - JUHÁSOVÁ, Ľudmila - MINÁRIK, Gabriel - KUČHTA, Roman - SKÍRNISSON, Karl - KARLSBAKK, Egil - ŠTEFKA, Jan. Genetic diversity and intercontinental dispersal of temperate and subarctic populations of *Dibothriocephalus dendriticus* (Cestoda; Diphyllbothriidea), a causative agent of dibothriocephalosis. In International Journal for Parasitology, 2025, vol. 55, no. 6, p. 281-298. (2024: 3.2 - IF, Q1 - JCR, 1.153 - SJR, Q1 - SJR). ISSN 0020-7519. Typ: ADCA

DINISOVÁ, Lucia - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - SKÍRNISSON, Karl - KRÁLOVÁ-HROMADOVÁ, Ivica. Dibothriocephalosis in salmonids from Iceland: A more complex taxonomic problem than assumed until now? In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100314. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

KRÁLOVÁ-HROMADOVÁ, Ivica - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - RADAČOVSKÁ, Alžbeta - DINISOVÁ, Lucia - SKÍRNISSON, Karl. Occurrence and the first molecular genotyping of *Dibothriocephalus dendriticus* and *Dibothriocephalus ditremus* (Cestoda: Diphyllbothriidea) in salmonids from Iceland. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100301. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

2.4. Publikačná činnosť (zoznam je uvedený v prílohe A-3)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	Počet v r. 2025/ doplňky z r. 2024
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	1 / 0
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	0 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	0 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	1 / 0
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	0 / 0
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	0 / 0
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	51 / 2
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	18 / 0
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	0 / 1
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	2 / 0
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	1 / 0
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	0 / 0
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	6 / 0
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	0 / 0
17. Vydané periodiká evidované v CCC, WoS Core Collection, SCOPUS	1
18. Ostatné vydané periodiká	1
19. Zostavovateľské práce knižného charakteru (FAI)	0 / 0
20. Preklady vedeckých a odborných textov (EAJ)	0 / 0
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	0 / 0
22. Recenzie v časopisoch a zborníkoch (EDI)	0 / 0

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

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu	Q1	Q2	Q3	Q4	Spolu
Podľa IF z r. 2024 (zdroj JCR) <i>Počet článkov / doplnky</i>	35 / 0	26 / 1	4 / 1	2 / 0	67 / 2
Podľa SJR z r. 2024 (zdroj Scimago) <i>Počet článkov / doplnky</i>	52 / 0	12 / 1	4 / 1	1 / 0	69 / 2

Tabuľka 2g Ohlasy

OHLASY	Počet v r. 2024/ doplnky z r. 2023
Citácie vo WOS (1.1, 2.1)	1471 / 6
Citácie v SCOPUS (1.2, 2.2)	227 / 6
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	8 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	62 / 3
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0 / 0

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	42
Prednášky a vývesky na národných vedeckých podujatiach	29

2.6. Vyžiadané prednášky

Ak boli príspevky publikované, sú súčasťou prílohy A-3, kategória (AFC, AFD, AFE, AFF, AFG, AFH)

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

HRČKOVÁ, Gabriela: Human low molecular weight leukocyte extract as an immunomodulatory adjuvant to albendazole in experimental *Echinococcus multilocularis* infection. In Pharma, vaccines and infectious diseases conference, 8-10 October 2025, Geneve, Switzerland.

VÁRADY, Marián: Anthelmintics resistance in small ruminants - diagnosis and control. Online symposium. Division of Veterinary Epidemiology and Economics Warsaw University of Life Science, Poland, 28.11.2025.

(<https://ptnw.pl/symposium-online-pt-anthelmintic-resistance-in-small-ruminants/>)

2.6.2. Vyžiadané prednášky na národných vedeckých podujatiach

N/A

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

VÁRADY, Marián: Rezistencia na antihelmintiká - diagnostika, *in vivo* a *in vitro* testy, situácia vo svete. Vyžiadaná prednáška na workshope „Anthelmintika a udržateľný boj s parazity u prežvýkavcov“. Výskumní ústav veterinárneho lékařství, Brno, Česká republika. 14.10.2025

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2025

N/A

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

Tabuľka 2i Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Antolová Daniela	Návratová projektová schéma SAV	1
Papajová Ingrid	KEGA	1
Stanko Michal	KEGA	1
	VEGA	2

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 0

2.10. Recenzovanie knižných publikácií a príspevkov vo vedeckých časopisoch

Tabuľka 2j Počet vypracovaných recenzií na vedecké monografie, vedecké štúdie a zborníky

Meno pracovníka	Ved. monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra-ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra-ničné
Antolová Daniela	0	0	1	0	0	0	0
Barčák Daniel	0	0	1	0	0	1	0
Čerevková Andrea	0	0	8	0	0	0	0
Čisovská Bazsalovicsová Eva	0	0	4	0	0	0	0
Hrčková Gabriela	0	0	24	0	0	1	0
Hurníková Zuzana	0	0	5	0	0	0	0
Juhášová Ľudmila	0	0	3	0	0	0	0
Königová Alžbeta	0	0	1	0	0	0	0
Miterpáková Martina	0	0	5	0	0	0	0
Orosová Martina	0	0	2	0	0	0	0
Papajová Ingrid	0	0	9	0	0	0	0
Renčo Marek	0	0	15	0	0	0	0
Sarabeev Volodimir	0	0	4	4	0	0	0
Stanko Michal	0	0	1	1	0	2	0
Šnábel Viliam	0	0	5	0	0	0	0
Várady Marián	0	0	4	0	0	0	0
Zubriková Dana	0	0	3	0	0	0	0
Spolu	0	0	95	5	0	4	0

2.11. Iné informácie k vedecko-výskumnej činnosti

V roku 2025 bolo na PaÚ SAV, v. v. i. riešených spolu 24 projektov národných agentúr. Päť projektov bolo udelených Agentúrou na podporu výskumu a vývoja (APVV) v rámci všeobecných výziev: v troch z nich PaÚ SAV figuruje ako koordinátor, v dvoch je spoluriešiteľskou organizáciou. Okrem projektov APVV bolo na PaÚ SAV riešených aj 12 grantov Vedeckej grantovej agentúry Ministerstva školstva, vedy, výskumu a športu Slovenskej republiky a Slovenskej akadémie vied (VEGA). U všetkých VEGA projektov organizácia figuruje ako ich koordinátor. Spoločné projekty APVV a VEGA s univerzitami aj inými organizáciami SAV sú v podrobnej forme uvádzané v kapitole 6 tejto správy. V rámci „Výzvy na predkladanie žiadostí o poskytnutie prostriedkov mechanizmu na podporu obnovy a odolnosti - Štipendiá pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine, 09I03-03-V01“ (Vykonávateľ výzvy: Úrad vlády Slovenskej republiky) boli na PaÚ SAV v roku 2025 riešené tri projekty; dva v kategórii R3 (udelené samostatným vedeckým pracovníkom) a jeden v kategórii R2 (pre pozíciu post-doktoranda). Od septembra 2024 sú na PaÚ SAV riešené aj dva projekty v rámci výzvy „Štipendiá pre excelentných výskumníkov a výskumníčky R2-R4, 09I03-03-V04“ (Vykonávateľ výzvy: Úrad vlády Slovenskej republiky), ktorých nositeľmi sú prof. MVDr. Marián Várady, DrSc. (kategória R4) a MVDr. Daniel Barčák, PhD. (kategória R2).

Okrem projektov národných agentúr bolo v roku 2024 na PaÚ SAV riešených aj 10 medzinárodných projektov: 2 projekty v rámci programu COST, 1 projekt financovaný Technologickou agentúrou Českej republiky, 2 bilaterálne APVV projekty v rámci medzivládnych dohôd so Srbskom a Českou republikou, 1 projekt medziakademickej dohody s Talianskom a 1 Mobility projekt s Poľskou akadémiou vied. V roku 2025 bolo zahájené aj riešenie projektu TUBITAK (program Join Research Projects) v spolupráci s Ústavom zoológie SAV, v. v. i. S účinnosťou od septembra, resp. októbra 2025 sú na PaÚ SAV riešené aj projekty v rámci programov Seal of Excellence (Marie Curie Skłodowska Action 4 Ukraine – Horizon 2020) a International Visegrad Fund (Visegrad Scholarship), ktorých nositeľom je prof. Volodimir Sarabeev, PhD.

Z pohľadu publikačnej činnosti došlo v porovnaní s predchádzajúcim rokom k výraznému nárastu počtu publikovaných prác. V roku 2025 bolo v databázach „Current Contents Connect“, „Web of Science Core Collection“ a „Scopus“ evidovaných spolu 71 vedeckých prác (s doplnkami neevidovanými v predchádzajúcom roku), čo pri počte vedeckých pracovníkov (VP) 35,26 (prepočítané na celoročný priemerný počet VP) predstavuje 2 publikácie na jedného VP.

Za pozitívne je možné považovať vysoký počet publikácií spadajúcich do kategórie Q1 (52) a Q2 (12) podľa SJR kvartilu (SJR Scimago Journal Rank), pričom až 32 rukopisov bolo uverejnených vo vedeckých časopisoch zaradených do 1. decilu podľa SJR kategórie, čo predstavuje takmer 44 % zo všetkých prác publikovaných v roku 2025. Až v 22 z týchto publikácií sú vedeckí pracovníci PaÚ SAV prvými alebo korešpondujúcimi autormi.

Na publikované vedecké výstupy bolo v roku 2025 zaznamenaných zatiaľ rekordných 1764 citácií (bez neevidovaných doplnkov za rok 2023). Konkrétne, 1698 citácií bolo evidovaných v databázach WOS a Scopus, 8 v iných citačných databázach a 58 v publikáciách neregistrovaných v citačných indexoch.

3. Medzinárodná vedecká spolupráca

3.1. Medzinárodné vedecké podujatia

3.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2025 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

VII. Labudove dni, Stará Lesná, Vysoké Tatry, 60 účastníkov, 16.06.-19.06.2025

3.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2026 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

XVI. Slovak and Czech Parasitological Days./XVI. Slovenské a české parazitologické dni., Stará Lesná, Vysoké Tatry, 21.09.-25.09.2026, (Mikuláš Oros, 055/63 344 55, oros@saske.sk)

3.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 3a Programové a organizačné výbory medzinárodných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Oros Mikuláš	1	0	0
Stanko Michal	1	0	0
Spolu	2	0	0

3.2. Členstvo a funkcie v medzinárodných orgánoch

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

MVDr. Daniela Antolová, DrSc.

Alveolar Echinococcosis Working Group of European Reference Network for Rare Liver Diseases
(funkcia: členka)

ESCCAP SK & CZ (Európska rada pre parazity spoločenských zvierat - Slovensko a Česko)
(funkcia: členka výkonnej rady)

European Society for Dirofilariosis and Angiostrongylosis
(funkcia: členka)

Ing. Andrea Čerevková, PhD.

European Society of Nematologists
(funkcia: členka)

RNDr. Gabriela Hrčková, DrSc.

UNIDO United Nations Industrial Development Organisation
(funkcia: členka)

MSc. Tetiana Kuzmina, PhD.

Ukrainian Scientific Society of Parasitologists
(funkcia: vedecký tajomník)

doc. MVDr. Zuzana Hurníková, PhD.

ESCCAP SK & CZ (Európska rada pre parazity spoločenských zvierat - Slovensko a Česko)

(funkcia: pokladníčka)

International Commission on Trichinellosis

(funkcia: členka Executive Committee)

Společnost pro vědu o laboratorních zvířatech

(funkcia: členka)

MVDr. Martina Miterpáková, DrSc.

ESCCAP SK & CZ (Európska rada pre parazity spoločenských zvierat - Slovensko a Česko)

(funkcia: predsedníčka)

ESDA (European Society of Dirofilariosis and Angiostrongylosis)

(funkcia: členka)

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Zaporizhzhia Branch of Ukrainian Scientific Society of Parasitologists

(funkcia: predseda)

MVDr. Jindřich Šoltys, CSc.

American Association of Immunologists AAI

(funkcia: člen)

FASEB Federation of American Societies for Experimental Biology

(funkcia: člen)

NYAS New York Academy of Sciences

(funkcia: člen)

prof. MVDr. Marián Várady, DrSc.

World Association for the Advancement of Veterinary Parasitology

(funkcia: člen)

RNDr. Bronislava Víchová, PhD.

ESCCAP SK & CZ (Európska rada pre parazity spoločenských zvierat - Slovensko a Česko)

(funkcia: členka výkonnej rady)

3.3. Účast' expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 3b Experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Čerevková Andrea	PRELUDIUM-24	1
Papajová Ingrid	BARD - the US-Israel Agricultural Research and Development Fund	1

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

V roku 2025 bolo registrovaných spolu 24 vyslaní vedeckých pracovníkov a doktorandov PaÚ na zahraničné inštitúcie, a to na základe medziakademických alebo iných vzájomných dohôd a spoluprac. Na týchto pracovných pobytoch strávili v roku 2025 spolu 250 dní. Prevažovali pobyty krátkodobého charakteru, avšak veľkým prínosom boli mesačné stáže interných doktorandov. Mgr. Klaudia M. Švirlochová navštívila Entomologické oddelenie Národného múzea v Prahe, kde pôsobila pod vedením Mgr. Michala Tkoča, PhD., kurátora zbierky dvojkřídlých, a získala cenné zručnosti morfolologickej determinácie zástupcov ovadovitých. Počas svojho pobytu v Prahe bola K. Švirlochová pozvaná na stretnutie s veľvyslankyňou Slovenska v Českej republike, kde diskutovali o prínose Národného

štipendijného programu pre slovenských študentov. Mesačnú stáž v Národnom veterinárnom a výskumnom ústave v Puławách v Poľsku, absolvoval doktorand MVDr. Dominik Kaňuk z Laboratória humánnej parazitológie. V rámci svojho pobytu si osvojil nové metodiky a postupy, ktoré budú na PaÚ zavedené na identifikáciu genotypov zoonózneho parazita *Toxoplasma gondii*. Dr. Zuzana Fečová navštívila Laboratórium evolučnej genetiky v Českých Budějoviciach, kde získala zručnosti v spracovávaní sekvenčných dát použitím bioinformačných nástrojov. Viacerí vedeckí pracovníci, Dr. Orosová, Dr. Oros, Dr. Hromadová, Dr. Čisovská a Dr. Kuzmina, absolvovali pracovné cesty zamerané na zber vzácneho biologického materiálu v Chorvátsku, Nórsku a na Ukrajine, ktorý je/bude analyzovaný na domovskom pracovisku. Počas svojich pobytov navštívili partnerské vedecké inštitúcie a univerzity, a prerokovali možnosti ďalšej spolupráce. Vedeckí pracovníci z Laboratória environmentálnej parazitológie, Dr. Papajová, Dr. Šmigová a Dr. Ihnacik, počas pracovnej návštevy na Výskumnom inštitúte terestriálnych ekosystémov (Consiglio Nazionale delle Ricerche, CNR) riešili spoločný projekt zameraný na monitorovanie bobra európskeho a jeho parazitov na území Slovenska a Talianska. Prof. Várady absolvoval oficiálnu návštevu Univerzity prírodných vied v Poznani, Poľsku, s ktorou má PaÚ SAV vytvorené spoločné pracovisko zamerané na výmenné pobyty výskumníkov a študentov a riešenie spoločných vedeckých projektov. Dr. Miterpáková bola pozvaná na rokovanie organizované firmou Vetoquinol v Benátkach, na ktorom sa veterinárni parazitológovia z Európy, USA, Kanady a Austrálie venovali problematike parazitárnych infekcií mačiek. Toto stretnutie bolo podnetom pre podanie takto zameraného projektu VEGA, ktorý získal hodnotenie kategórie „A“ a bude riešený na PaÚ v rokoch 2026 až 2029. Ako predsedníčka organizácie ESCCAP Slovensko a Česko pri PAÚ SAV sa Dr. Miterpáková zúčastnila stretnutia riaditeľov a členov ESCCAP Europe v Anglicku, kde prezentovala činnosť národnej asociácie a rokovala o plánoch na rok 2026.

V rámci medzinárodnej spolupráce navštívilo pracovisko štrnásť zahraničných vedeckých pracovníkov, ktorí pochádzali z Českej republiky, Holandska, Poľska, Srbska, Talianska a Ukrajiny a strávili na pôde PaÚ spolu 108 dní.

Vedeckí pracovníci PaÚ SAV sa v roku 2025 zúčastnili trinástich medzinárodných vedeckých podujatí v Brazílii, Českej republike, Grécku, Keni, Maďarsku, Mexiku, Poľsku, Rakúsku, Španielsku a Švajčiarsku.

Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe A-5.

Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe A-2.

4. Aplikácia výsledkov výskumu v praxi

4.1. Výsledky výskumu organizácie aplikované v technologickej a všeobecnej spoločenskej praxi

N/A

4.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

Názov/účel kontraktového výskumu: Strengthening water and health security in Europe's marginalized communities through integrated social, geographical, medical and technological approaches

Zadávatel' výskumného kontraktu: The Dutch Research Council

Začiatok spolupráce: 2024

Ukončenie spolupráce: 2025

Finančný prínos pre organizáciu (€): 12350

Názov/účel kontraktového výskumu: Štúdium mechanizmov účinku imunomodulačného prípravku Transfer faktor (TFI) pri experimentálne vyvolaných infekčných ochoreniach.

Zadávatel' výskumného kontraktu: BioFutura, s. r. o.

Začiatok spolupráce: 2025

Ukončenie spolupráce: trvá

Finančný prínos pre organizáciu (€): 0

Názov/účel kontraktového výskumu: Koprologické analýzy kamzíka vrchovského tatranského a svišťa vrchovského tatranského

Zadávatel' výskumného kontraktu: Správa Tatranského národného parku

Začiatok spolupráce: 2025

Ukončenie spolupráce: 2027

Finančný prínos pre organizáciu (€): 6113

4.3. Iné formy aplikácie výsledkov výskumu a využitia odbornosti

Vyšetrenie vzoriek pre diagnostické laboratóriá, ktorým „Usmernenie Ministerstva zdravotníctva SR“ ukladá povinnosť overiť výsledok vyšetrenia v prípade pozitívneho nálezu protilátok proti *Trichinella* spp. inou metodikou. Overovanie výsledkov sérologického vyšetrenia na *Echinococcus* spp. v sporných prípadoch.

Pre infekčné kliniky sa vykonávala diagnostika anaplazmózy a babeziózy u ľudí a boli vyšetrované krvné séra pacientov na prítomnosť protilátok proti *Toxocara* spp., *Trichinella* spp. a *Echinococcus* spp.

Pre veterinárne ambulancie a kliniky z celého Slovenska sa vykonávala diagnostika a genotypizácia parazitárnych a vektormi prenášaných ochorení (dirofilarióza, angiostrongylóza, thelazióza, babezióza, anaplazmóza, lymská borelióza a.i.).

Vedeckí pracovníci Laboratória experimentálnej farmakológie analyzovali výskyt rezistentných druhov parazitov vo vybraných chovoch oviec a kôz a poskytovali konzultácie a poradenskú činnosť pri antiparazitárnej terapii v chovoch hospodárskych zvierat.

V spolupráci s Výskumnou stanicou a múzeom TANAPu je realizovaný výskum divo žijúcich zvierat na prítomnosť parazitov a vektormi prenášaných patogénov s dôrazom na zoonózne druhy.

V spolupráci so Správou TANAPu bola sledovaná pôdna nematodofauna na plochách lesa po prírodnej kalamite a pokračoval výskum zameraný na sledovanie zmien pôdných nematód a mikroorganizmov v

dôsledku invázie nepôvodných druhov rastlín do lesných ekosystémov TANAPu.

Pre Laboratórium parazitológie a mykológie Veterinárneho a potravinového ústavu v Bratislave bola vykonávaná verifikácia vzoriek krvi psov na prítomnosť *Dirofilaria* spp. na základe analýzy DNA.

Pre Kliniku malých zvierat Univerzitnej veterinárnej nemocnice v Košiciach boli suspektní pacienti za účelom diferenciálnej diagnostiky vyšetrovaní na dirofilariózu a angiostrongylózu.

Diagnostika krvných filarióz a vydanie potvrdenia o bezinfekčnosti/infekčnosti psov určených na zahraničnú adopciu pre potreby útulkov opustených zvierat (OZ Priateľ pes - Štúrovo, OZ Veselá labka - Hurbanovo, OZ Pomoc psíkom na východnom Slovensku - Veľké Kapušany).

MVDr. Martina Miterpáková, DrSc. pôsobila ako špecialistka a konzultantka pre farmaceutickú spoločnosť Boehringer Ingelheim (Veterinary Public Health, centrála pre strednú a východnú Európu, Viedeň, Rakúsko) a odborná garantka pre online platformu Chovateľský kampus.

Pre oddelenie mikrobiológie laboratória Medirex Group sú pravidelne vyšetrované vzorky za účelom diagnostiky a/alebo verifikácie importovaných alebo novo sa objavujúcich parazitárnych ochorení ľudí (dirofilarióza, echinokokóza, leišmanióza).

V roku 2025 organizácia ESCCAP Slovensko a Česko (Európska vedecká rada pre parazity spoločenských zvierat, národná asociácia pre Slovensko a Česko) so sídlom na PaÚ SAV vydala niekoľko odborných usmernení určených pre veterinárov, chovateľov aj študentov veterinárskych odborov:

Odborné usmernenie „Prevencia parazitov u cestujúcich a dovážaných spoločenských zvierat“; Metodické príručky „Prevencia výskytu parazitických červov u psov a mačiek“, „Prevencia ektoparazitov u psov a mačiek“, „Prevencia ochorení/patogénov prenášaných vektormi u psov a mačiek“; „Schémy individuálneho odčervovania psov a mačiek“, „Prípravky proti vnútorným a vonkajším parazitom psov dostupné na Slovensku“. Autorky usmernení: ANTOLOVÁ, Daniela; HURNÍKOVÁ, Zuzana; MITERPÁKOVÁ, Martina; VÍCHOVÁ, Bronislava.

5. Doktorandské štúdium a pedagogická činnosť

5.1. Údaje o doktorandskom štúdiu

Tabuľka 5a Počet doktorandov v roku 2025

Forma	Počet k 31.12.2025				Počet doktorandov po doktorandskej skúške		Počet ukončených doktorantúr v r. 2025					
							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	M	Ž
Denná zo zdrojov SAV	2	6	1	3	1	2	1	1	0	0	0	0
Denná z iných zdrojov	1	0	0	0	1	0	0	0	0	0	0	0
Externá	0	0	0	0	0	0	0	0	0	0	0	0
Spolu	3	6	1	3	2	2	1	1	0	0	0	0
Z toho zahraničných	1	0	0	0	1	0	0	0	0	0	0	0
Súhrn	9		4		4		2		0		0	

5.2. Zmena formy doktorandského štúdia

Tabuľka 5b Počty preradení z dennej formy na externú a z externej na dennú

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

5.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 5c Menný zoznam ukončených doktorandov v roku 2025 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 hodnosť
RNDr. Lukáš Ihnacik	interné štúdium hrazené z prostriedkov SAV	9 / 2021	8 / 2025	4318 veterinárske lekárstvo	doc. RNDr. Ingrid Papajová PhD., Parazitologický ústav SAV, v. v. i.	Univerzita veterinárskeho lekárstva a farmácie v Košiciach
Mgr. Anna Marková	interné štúdium hrazené z prostriedkov SAV	9 / 2021	8 / 2025	1536 biológia	RNDr. Martina Orosová PhD., Parazitologický ústav SAV, v. v. i.	Univerzita Komenského v Bratislave

5.4. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou v nadštandardnej dĺžke štúdia

N/A

5.5. Uplatnenie absolventov doktorandského štúdia

Tabuľka 5e Prehľad uplatnenia absolventov doktorandského štúdia

Počet absolventov PhD. štúdia v roku 2025 (obhajoba leto 2025)	z toho koľkí sa zamestnali vo výskume (SAV, univerzity, rezortné výskumné ústavy)	z toho koľkí sa zamestnali v praxi mimo výskum, kde využívajú svoju kvalifikáciu	z toho koľkí sa zamestnali v praxi, kde nevyužívajú svoju kvalifikáciu	z toho koľkí boli nejaký čas nezamestnaní
2	1	1	0	0

Zoznam interných a externých doktorandov je uvedený v prílohe A-1.

5.6. Medzinárodné doktorandské štúdium

Tabuľka 5f Počet študentov v medzinárodných programoch doktorandského štúdia a počet zahraničných doktorandov

Cotutelle	Co-direction	Iné	Zahraniční doktorandi štátne občianstvo/počet
0	0	0	UKR/1

Zahraniční doktorandi sú doktorandi v dennej alebo externej forme štúdia, ktorí sú občanmi iných krajín.

Doktorandi školení v rámci Cotutelle alebo Co-direction sa do posledného stĺpca nezapočítavajú.

5.7. Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením VŠ

Tabuľka 5g Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením univerzity/vysokej školy a fakulty, kde sa doktorandský študijný program uskutočňuje

Názov študijného odboru (ŠO)	Číslo ŠO	Názov doktorandského študijného programu	Doktorandské štúdium uskutočňované na (univerzita/vysoká škola a fakulta)
biológia	1536	zoológia	Univerzita Komenského v Bratislave
veterinárske lekárstvo	4318	parazitárne choroby zvierat	Univerzita veterinárskeho lekárstva a farmácie v Košiciach

Názov a číslo študijného odboru vyplňte/vyberte podľa aktuálne platného zoznamu študijných odborov

<https://www.portalvs.sk/sk/studijne-odbory?from=menu1>. Názov doktorandského študijného programu v stĺpci 3 je potrebné vložiť ako voľný text.

Tabuľka 5h Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií pre doktorandské štúdium	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnotu alebo vyšší kvalifikačný stupeň
RNDr. Gabriela Hrčková, DrSc. (biológia)	prof. HDR. MSc. Volodimir Sarabeev, PhD. (Zaporizhzhia State University, Ukraine)	MSc. Tetiana Kuzmina, PhD. (IIa)
RNDr. Gabriela Hrčková, DrSc. (molekulárna cytológia)		prof. HDR. MSc. Volodimir Sarabeev, PhD. (IIa)
RNDr. Ivica Hromadová, DrSc. (zoológia)		MSc. Yaroslav Syrota, PhD. (IIa)

doc. RNDr. Ingrid Papajová, PhD. (veterinárske lekárstvo)		RNDr. Lukáš Ihnacik, PhD. (PhD., Univerzita veterinárskeho lekárstva a farmácie v Košiciach)
doc. RNDr. Ingrid Papajová, PhD. (hygiena chovu zvierat a životné prostredie)		
doc. RNDr. Michal Stanko, DrSc. (fyziológia živočíchov)		
doc. RNDr. Michal Stanko, DrSc. (zoológia)		
prof. MVDr. Marián Várady, DrSc. (parazitárne choroby zvierat)		

5.8. Údaje o pedagogickej činnosti

Tabuľka 5i Prednášky a cvičenia vedené v roku 2025

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	1	1	2	1
Celkový počet hodín v r. 2025	134	84	42	10

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v prílohe A-4.

Tabuľka 5j Aktivity pracovníkov na VŠ

1.	Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác	6
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	25
3.	Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)	8
4.	Počet školených doktorandov (aj pre iné inštitúcie)	9
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	3
8.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác	2
9.	Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách	1

5.9. Iné dôležité informácie k pedagogickej činnosti

PaÚ SAV školí doktorandov pod záštitou dvoch univerzít: na Prírodovedeckej fakulte UK v Bratislave (PriF UK) v odbore „biológia“ (študijný program „zoológia“) a na Univerzite veterinárskeho lekárstva a farmácie v Košiciach (UVLF) v odbore „veterinárske lekárstvo“ (študijný program „parazitárne choroby zvierat“).

Od januára do augusta 2025 bolo na PaÚ SAV vo vedeckej výchove evidovaných 7 interných doktorandov; piati v študijnom programe „parazitárne choroby zvierat“ a dve doktorandky v študijnom programe „zoológia“. Z prostriedkov SAV bolo financované štúdium šiestich doktorandov, jeden interný doktorand, MSc. Araz Rashydov (Ukrajina) je poberateľom „Štipendia pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine“ (kód výzvy: 09I03-03-V01; komponent 9: Efektívnejšie riadenie a posilnenie financovania výskumu, vývoja a inovácií; investícia 3: Excelentná veda).

V auguste 2025 ukončil úspešnou obhajobou doktorandské štúdium na UVLF RNDr. Lukáš Ihnacik, PhD, ktorý bol následne prijatý do pracovného pomeru na PaÚ SAV, a Mgr. Anna Marková, PhD., ktorá sa zamestnala v praxi mimo výskum, kde však využíva svoju kvalifikáciu.

V septembri 2025 boli na PaÚ SAV prijatí štyria interní doktorandi, Mgr. Kristína Kováčová a MVDr. Soňa Salonová na študijný odbor „veterinárske lekárstvo“ a Mgr. Romana Gašparovičová a Mgr. Michal Čižmár na študijný odbor „biológia“. K 31.12.2025 bolo na PaÚ SAV školených spolu 9 interných doktorandov.

V roku 2025 vykonávala pedagogickú činnosť na UVLF v Košiciach doc. MVDr. Zuzana Hurníková, PhD., ktorá viedla semestrálne prednášky z predmetov „Pohoda a chov experimentálnych zvierat“, „Choroby laboratórnych zvierat a manažment klinických experimentov“, a pre zahraničných študentov semestrálny predmet „Basic of diagnostics in parasitology“. MVDr. Alžbeta Königová, PhD. sa na UVLF podieľala na semestrálnych cvičeniach z predmetu „Choroby hydiny“. Prof. HDR. MSc. Volodimir Sarabeev, PhD. viedol semestrálne prednášky z predmetov „Akademické písanie a akademická integrita“, „Projektová činnosť v lesníckych a poľovníckych hospodárstvach“ a „Výskumno-inovačná činnosť“ na Katedre lesníckej biológie, poľovníctva a ichthyológie Záporožskej univerzity, Ukrajina. Zároveň bol na tejto katedre zodpovedný za semináre v rámci predmetov „Biologické štúdie“ a „Ekologické štúdie“.

Viaceri vedeckí pracovníci PaÚ SAV v roku 2024 pôsobili ako oponenti písomných prác k dizertačnej skúške a dizertačných prác na UVLF a Pri UK, ako aj členovia komisií pre obhajoby PhD. prác., či habilitačných a inauguračných komisií. Doc. RNDr. Ingrid Papajová, PhD. bola členkou výberových komisií pre výberové konania na obsadenie funkčných miest docentov v študijnom odbore veterinárske lekárstvo. Doc. Papajová a prof. Várady boli členmi skúšobných komisií pre vykonanie štátnych skúšok v študijnom programe „všeobecné veterinárske lekárstvo“ na UVLF v Košiciach.

6. Zmluvná spolupráca s univerzitami/vysokými školami a inými subjektmi vedy a výskumu

Pozn.: Uvádzajte formy spolupráce a aktivity, ktoré nie sú uvedené v kapitolách 2, 3, 4, 5.

6.1. Spoločné pracoviská organizácie

6.1.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Department of Veterinary Medical Sciences, University of Bologna, Taliansko

Oblasť spolupráce: Spoločný výskum v oblasti ichtyoparazitológie, výmenné pobyty vedeckých pracovníkov a PhD. študentov, organizácia spoločných seminárov a konferencií.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2023

Zhodnotenie: V zmysle podpísanej dohody medzi oboma inštitúciami sú realizované spoločné vedecko-výskumné úlohy zamerané na genetiku rybiech parazitov.

Názov univerzity/vysokej školy a fakulty: Medical University of Silesia, Katowice, Poland

Oblasť spolupráce: Bilaterálna spolupráca v oblasti medicínskeho výskumu, výmenné pobyty vedeckých pracovníkov a študentov, príprava spoločných výskumných projektov.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2025

Zhodnotenie: V roku 2025 došlo k podpísaniu zmluvy o spolupráci medzi oboma inštitúciami. Zároveň bol zahájený spoločný výskum zameraný na cirkuláciu a variabilitu vektormi prenášaných patogénov na území Slovenska a Poľska.

Názov univerzity/vysokej školy a fakulty: Prešovská univerzita v Prešove

Oblasť spolupráce: Dohoda o spoločnom pracovisku PaÚ SAV a PU pre ekológiu parazitov. Spolupráca pri riešení spoločných výskumných úloh a projektov, vzdelávanie študentov.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2014

Zhodnotenie: V rámci spolupráce sú realizované spoločné výskumy zamerané na ekológiu parazitických organizmov, ich hostiteľov a vektorov. V roku 2025 bol riešený spoločný projekt APVV „Faktory ovplyvňujúce obmenu sietí parazit-hostiteľ - od lokálnych ku kontinentálnym metaspoločenstvám“.

Názov univerzity/vysokej školy a fakulty: University of Life Sciences in Poznan, Poľsko

Oblasť spolupráce: Vzájomná výmena vedeckých pracovníkov a študentov za účelom prednášok a cvičení. Spolupráca na vedeckých projektoch.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2019

Zhodnotenie: V roku 2025 pokračoval spoločný výskum zameraný na zistenie účinku bioaktívnych látok z čakanky v terapii oviec nakazených parazitom *Haemonchus contortus*. Zároveň bol sledovaný vplyv študovaných látok na ultraštruktúru tohto parazitického organizmu. Táto výskumná téma bola v roku 2025 riešená aj v rámci PostdokGrantu MVDr. Michaely Komáromyovej, PhD.

Názov univerzity/vysokej školy a fakulty: University of Naples Federico II

Oblasť spolupráce: Vzájomná výmena vedeckých pracovníkov a študentov za účelom prednášok a cvičení. Spolupráca na vedeckých projektoch.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2019

Zhodnotenie: Medzi oboma inštitúciami existuje vzájomná dohoda o vzájomnej výmene študentov a vedeckých pracovníkov.

Názov univerzity/vysokej školy a fakulty: Univerzita Komenského v Bratislave

Oblasť spolupráce: Rámcová dohoda o spolupráci s externou vzdelávacou inštitúciou o doktorandskom štúdiu.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2009

Zhodnotenie: PaÚ SAV je externou vzdelávacou inštitúciou pre doktorandské štúdium v študijnom odbore "biológia" (študijný program "zoológia"). Ako členovia odborovej komisie pre doktorandské štúdium v programe "zoológia" aktuálne pôsobia dvaja vedeckí pracovníci PaÚ, Dr. Hromadová a doc. Stanko.

Názov univerzity/vysokej školy a fakulty: Univerzita Pavla Jozefa Šafárika v Košiciach

Oblasť spolupráce: V rámci dohody je prevádzkované spoločné vedecko-výskumné pracovisko, ktorého súčasťou sú UPJŠ (PriF a LF), a tri ústavy SAV (Parazitologický ústav SAV, Ústav fyziológie hospodárskych zvierat CBv SAV a Neurobiologický ústav BMC SAV).

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2014

Zhodnotenie: V roku 2025 dvaja vedeckí pracovníci PaÚ SAV, doc. Stanko a Dr. Hrčková, pôsobili ako členovia odborových komisií pre doktorandské štúdium.

Názov univerzity/vysokej školy a fakulty: Univerzita veterinárskeho lekárstva a farmácie v Košiciach

Oblasť spolupráce: Rámcová dohoda o spolupráci s externou vzdelávacou inštitúciou o doktorandskom štúdiu.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2004

Zhodnotenie: PaÚ SAV je externou vzdelávacou inštitúciou pre doktorandské štúdium v študijnom odbore "veterinárske lekárstvo" (študijný program "parazitárne choroby zvierat"). Vedecké pracovníčky PaÚ, doc. Hurníková a Dr. Königová viedli na univerzite semestrálne prednášky resp. semestrálne cvičenia.

Názov univerzity/vysokej školy a fakulty: Zaporizhzhia National University, Ukraine

Oblasť spolupráce: Rozvíjanie akademickej spolupráce. Vzájomná výmena vedeckých pracovníkov a študentov, príprava spoločných bilaterálnych a multilaterálnych medzinárodných projektov.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2024

Zhodnotenie: V roku 2025 prof. Volodimir Sarabeev, vedecký pracovník PaÚ SAV, viedol semestrálne prednášky na Katedre lesníckej biológie Záporožskej národnej univerzity. Zároveň prebiehajú rokovania o budúcej spolupráci a možnostiach doktorandského štúdia na PaÚ SAV.

6.1.2. Spoločné pracoviská s inými organizáciami SAV

N/A

6.2. Spoločné pracoviská organizácie s inými inštitúciami mimo SAV a VŠ

Názov inštitúcie: Správa Tatranského národného parku

Oblasť spolupráce: Vedecká a odborná spolupráca v oblasti prírodovedného výskumu Tatier

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2025

Zhodnotenie: V roku 2025 bola podpísaná vzájomná dohoda medzi PaÚ SAV a Správou TANAPu. Spoločné aktivity budú zamerané na faunistické a ekologické výskumy na území Tatranského národného parku.

Názov inštitúcie: Štátna veterinárna a potravinová správa SR (ŠVPS SR)

Oblasť spolupráce: Spoločné pracovisko PaÚ SAV a ŠVPS pre diagnostiku parazitozoonóz. Monitorovanie trichinelózy a echinokokózy voľne žijúcich zvierat, druhová špecifikácia, diagnostika parazitozoonóz ľudí a zvierat, realizácia medzilaboratórnych testov.

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2014

Zhodnotenie: Dohoda o spoločnom pracovisku so ŠVPS pre diagnostiku parazitozoonóz bola podpísaná v júli 2014. Súčasťou spoločného pracoviska je Aplikačné centrum pre ochranu ľudí, zvierat a rastlín pred parazitmi, vybudované s podporou Európskeho fondu regionálneho rozvoja, v rámci projektov ŠF zameraných na prenos poznatkov a technológií získaných výskumom a vývojom do praxe. Predmetom činnosti spoločného pracoviska je monitorovanie výskytu trichinelózy u voľne žijúcich zvierat, druhová špecifikácia a genotypizácia izolátov *Trichinella* spp. a *Echinococcus* spp., diagnostika parazitozoonóz u zvierat (echinokokóza, toxokaróza, trichinelóza, toxoplazmóza a kliešťami prenášané nákazy). Významnou súčasťou činnosti je príprava a vyhodnocovanie medzilaboratórnych porovnávacích testov podľa nariadenia Komisie (ES) č. 2075/2005.

6.3. Spoločné projekty s univerzitami a ostatnými inštitúciami mimo SAV

Názov projektu: Faktory ovplyvňujúce obmenu sietí parazit-hostiteľ - od lokálnych ku kontinentálnym metaspoločenstvám

Agentúra: APVV

číslo projektu: APVV-22-0440

Spolupracujúce inštitúcie: Prešovská univerzita v Prešove

Koordinátor projektu: Prešovská univerzita v Prešove

Začiatok spolupráce: 2023

Koniec spolupráce: 2027

Zhodnotenie: Pokračoval výskum vtácej kuklorodky *Ornithoctona laticornis*, ktorá bola dlhodobo považovaná za striktné afrotropický druh. Súčasná štúdia potvrdila jeho výskyt u ďatľa sýrskeho (*Dendrocopos syriacus*) a ďatľa veľkého (*Dendrocopos major*) v Rumunsku. Podrobnejšie výsledky projektu sú uvedené v prílohe B tejto správy. Finančný príspevok pre PaÚ SAV v roku 2025: 10 000 €.

Názov projektu: Vplyv disturbancií lesa a lesníckych opatrení na pôdne procesy a biodiverzitu

Agentúra: APVV

číslo projektu: APVV-24-0382

Spolupracujúce inštitúcie: Technická univerzita vo Zvolene

Koordinátor projektu: Technická univerzita vo Zvolene

Začiatok spolupráce: 2025

Koniec spolupráce: 2029

Zhodnotenie: Riešenie projektu bolo zahájené v septembri 2025. V prvých mesiacoch prebiehali rokovania medzi inštitúciami s cieľom upresniť harmonogram a logistiku jednotlivých výskumných úloh. Finančný príspevok pre PaÚ SAV v roku 2025: 1 952 €

6.4. Iné typy spoločných aktivít s inštitúciami mimo SAV

Odborná prednáška na tému "Dirofilarióza psov a mačiek - diagnostická a terapeutická výzva". Spoluorganizátori: Komora veterinárnych lekárov SR; Boehringer Ingelheim.

Dátum a miesto konania: 31.5.2025; Jasná - Demänovská Dolina.

Prednášajúca: MITERPÁKOVÁ, Martina.

Odborná prednáška na tému "Parazity psov a mačiek".

Spoluorganizátor: Výskumná stanica a múzeum TANAPu.

Dátum a miesto konania: 27.2.2025; Tatranská Lomnica.

Prednášajúce: HURNÍKOVÁ, Zuzana; MITERPÁKOVÁ, Martina.

Odborný webinár s diskusiou pre praktických veterinárov na Slovensku a v Čechách na tému "Dirofilarióza - z praxe pre prax".

Spoluorganizátor: Virbac Česká republika.

Dátum: 28.5.2025.

Prednášajúca: HURNÍKOVÁ, Zuzana.

Webinár na tému: "Ako priniesť väčšiu ekonomickú efektivitu v chove vďaka odčervovaniu.

Spoluorganizátor: Zväz chovateľov oviec a kôz.

Dátum: 24.11.2025.

Prednášajúca: KÖNIGOVÁ, Alžbeta.

Webinár s diskusiou na tému "Vonkajšie parazity".

Spoluorganizátor: Chovateľský kampus - portál pre chovateľov psov a mačiek.

Dátum: 23.4.2025.

Prednášajúca: HURNÍKOVÁ, Zuzana.

7. Vedecko-organizačné a popularizačné aktivity

7.1. Vedecko-popularizačná činnosť

Tabuľka 7a Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	4	tlač	3	TV	9
rozhlas	2	internet	3	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	2				

7.2. Vedecko-organizačná činnosť

Tabuľka 7b Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
VII. Labudove dni	medzinárodná	Stará Lesná, Vysoké Tatry	16.6.-19.6.2025	60

7.3. Účasť na výstavách

Názov výstavy: My sme SAV

Miesto konania: Bratislava

Dátum: 13.6.2025

Zhodnotenie účasti: Prezentácia Laboratória ekotoxikológie a Laboratória populačnej genetiky. Hlavná téma: "Tajomný vnútorný svet žiab". Prezentujúci: Brázová, Čisovská, Juhásová.

Názov výstavy: Deň otvorených dverí na PaÚ SAV

Miesto konania: Košice

Dátum: 12.11.2025

Zhodnotenie účasti: Prezentácia Laboratória ekotoxikológie a Laboratória populačnej genetiky. Hlavná téma: "Tajomný vnútorný svet žiab". Prezentujúci: Brázová, Hromadová, Čisovská, Juhásová, Hajdu, Dinisová, Mariščáková.

Názov výstavy: Európska noc vedy

Miesto konania: Košice

Dátum: 26.9.2025

Zhodnotenie účasti: Prezentácia Laboratória ekotoxikológie a Laboratória populačnej genetiky. Hlavná téma: "Tajomný vnútorný svet žiab". Prezentujúci: Brázová, Čisovská, Juhásová, Hajdu, Mariščáková.

Názov výstavy: Zaži vedu so SAV

Miesto konania: Košice

Dátum: 16.5.2025

Zhodnotenie účasti: Prezentácia Laboratória ekotoxikológie a Laboratória populačnej genetiky. Hlavná téma: "Tajomný vnútorný svet žiab". Prezentujúci: Brázová, Juhásová, Hajdu, Dinisová, Mariščáková.

Názov výstavy: 50. ročník medzinárodnej poľnohospodárskej a potravinárskej výstavy Agrokomplex.

Miesto konania: Nitra

Dátum: 3.9.2025

Zhodnotenie účasti: Vedeckí pracovníci z Laboratória ichthyoparazitológie návštevníkom predstavili svet parazitických organizmov viazaných na vodné prostredie a priblížili verejnosti príbeh invázných druhov rýb a tichých zmien, ktoré prebiehajú v našich vodách, keď nepôvodné ryby prinášajú vlastných parazitov. Prezentujúci: Barčák, Jurčáková, Oros, Orosová.

7.4. Účast v programových a organizačných výboroch národných konferencií

Tabuľka 7c Programové a organizačné výbory národných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Oros Mikuláš	1	0	0
Spolu	1	0	0

7.5. Členstvo v redakčných radách časopisov

MVDr. Daniela Antolová, DrSc.

Scientific Reports (funkcia: členka)

MVDr. Emília Dvorožňáková, PhD.

Acta Parasitologica (funkcia: výkonná redaktorka)

Helminthologia (funkcia: členka)

RNDr. Gabriela Hrčková, DrSc.

Cellular Signalling (funkcia: členka)

Helminthologia (funkcia: členka)

RNDr. Ivica Hromadová, DrSc.

Acta Parasitologica (funkcia: členka)

doc. MVDr. Zuzana Hurníková, PhD.

Annals of Parasitology (funkcia: členka)

MVDr. Martina Miterpáková, DrSc.

Annals of Parasitology (funkcia: členka)

Helminthologia (funkcia: členka)

RNDr. Mikuláš Oros, DrSc.

Helminthologia (funkcia: člen)

doc. RNDr. Ingrid Papajová, PhD.

American Journal of BioScience (funkcia: členka)

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Acta Biologica Ukrainica (funkcia: hlavný redaktor)

Diversity (funkcia: editor sekcie)

RNDr. Viliam Šnábel, CSc.

Acta Parasitologica (funkcia: člen)

Frontiers in Veterinary Medicine (funkcia: hosťujúci redaktor)

Helminthologia (funkcia: člen)

Pathogens (funkcia: člen Aktuálneho poradného panelu)

MVDr. Jindřich Šoltys, CSc.

Helminthologia (funkcia: hlavný redaktor)

prof. MVDr. Marián Várady, DrSc.

Helminthologia (funkcia: člen)

MVDr. Zuzana Vasilková

Helminthológia (funkcia: výkonný redaktor)

Spravodajca Univerzity veterinárskeho lekárstva a farmácie (funkcia: členka)

Správy Slovenskej parazitologickej spoločnosti pri SAV (funkcia: výkonná redaktorka)

7.6. Činnosť v domácich vedeckých spoločnostiach

MVDr. Daniela Antolová, DrSc.

Slovenská parazitologická spoločnosť pri SAV (funkcia: podpredsedníčka)

MVDr. Daniel Barčák, PhD.

Slovenská ichtyologická spoločnosť (funkcia: člen výboru)

Slovenská parazitologická spoločnosť pri SAV (funkcia: člen výboru)

Ing. Andrea Čerevková, PhD.

Societas pedologica slovac (funkcia: členka)

MVDr. Emília Dvorožňáková, PhD.

Slovenská imunologická spoločnosť (funkcia: členka)

doc. MVDr. Zuzana Hurníková, PhD.

Slovenská parazitologická spoločnosť pri SAV (funkcia: hospodárka)

RNDr. Mikuláš Oros, DrSc.

Slovenská ichtyologická spoločnosť (funkcia: člen)

Slovenská parazitologická spoločnosť pri SAV (funkcia: predseda)

doc. RNDr. Ingrid Papajová, PhD.

Slovenská akadémia pôdohospodárskych vied (funkcia: členka)

doc. RNDr. Michal Stanko, DrSc.

Slovenská zoologická spoločnosť (funkcia: člen)

MVDr. Zuzana Vasilková

Slovenská parazitologická spoločnosť pri SAS (funkcia: členka výboru)

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

Poznámka ku kap. 7.6: Všetci členovia akademickej obce PaÚ SAV sú členmi Slovenskej parazitologickej spoločnosti pri SAV, aj keď to nie je z priestorových dôvodov uvedené. Záznam je iba pri členoch výboru SPS pri SAV.

V roku 2025 boli nosnou témou hlavných popularizačných aktivít (My sme SAV, Zaži vedu so SAV, Európska noc vedy) parazity žiab, ktorou sa zaoberajú vedecké tímy z Laboratória ekotoxikológie a Laboratória populačnej genetiky. Vedecké pracovníčky oboch laboratórií priblížili návštevníkom problematiku žiab a ich parazitov, s dôrazom na ich ekologickú úlohu, funkciu ako bioindikátorov znečistenia životného prostredia a opatrenia na ich ochranu.

Vedeckí pracovníci z Laboratória ichtyoparazitológie prezentovali výsledky svojich výskumov zameraných na parazity viazané na vodné prostredie na 50. ročníku výstavy Agrokomplex v Nitre.

Široký mediálny priestor bol v roku 2025 venovaný aj výskumu realizovanému v Laboratóriu ekologickej parazitológie; doc. RNDr. Ingrid Papajová, PhD. a RNDr. Lukáš Ihnacik, PhD. dostali možnosť prezentovať svoju prácu a jej výsledky týkajúce sa parazitofauny bobra európskeho a parazitov prenosných vodou a pôdou v reláciách STVR „Experiment“ a „VAT“.

Veľký záujem médií si už tradične vyžiadali témy týkajúce sa zdravia ľudí a ich domácich miláčikov. V

rozhlase, televízii, ale aj formou podkastov, bola prezentovaná problematika vážnych parazitárnych ochorení, ako sú alveolárna echinokokóza, či dirofilarióza, ktorými sa zaoberajú tímy z Laboratória humánnej parazitológie a Laboratória veterinárnej parazitológie.

Pre širokú verejnosť so záujmom o parazity ľudí a zvierat sú určené aj informačné listy, ktoré v roku 2025 vydala organizácia ESCCAP Slovensko a Česko (Európska vedecká rada pre parazity spoločenských zvierat, národná asociácia pre Slovensko a Česko) so sídlom na PaÚ SAV: „Ako chrániť domácich miláčikov pred parazitmi“, „Infekcia parazitmi rodu *Giardia* u psov a mačiek“, „Infekcia parazitmi rodu *Toxocara* u psov a mačiek“ a „Diéty založené na surovom mäse“.

Popularizačné aktivity pracovníkov PaÚ SAV za rok 2025 sú zosumarizované v prílohe A-6 tejto Správy o činnosti organizácie.

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

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
MVDr. Daniela Antolová, DrSc.	Národný kontaktný bod pre vedeckú a technickú spoluprácu s EFSA v SR, MPaRV SR	členka národnej vedeckej skupiny pre biologické riziká a hygienu potravín (NOVS)
	International Commission on Trichinellosis - ICT	zástupca pre SR
	EpiPulse - the European surveillance portal for infectious diseases for ECDC	Operational Contact Point (EPC) pre echinokokózu za Slovensko
RNDr. Ivica Hromadová, DrSc.	Rada Agentúry na podporu výkumu a vývoja pre prírodné vedy	členka
doc. MVDr. Zuzana Hurníková, PhD.	Európsky úrad pre bezpečnosť potravín (EFSA), MPaRV SR	expert EFSA, člen národnej vedeckej skupiny pre biologické riziká a hygienu potravín
	International Commission on Trichinellosis - ICT	členka výkonného výboru
	Ministerstvo pôdohospodárstva a rozvoja vidieka SR, Národný kontaktný bod pre vedeckú a technickú spoluprácu s EFSA	Vedecká sieť AHAW - nominovaný zástupca SR
	Ministerstvo pôdohospodárstva a rozvoja vidieka SR	Komisia Ministerstva pôdohospodárstva a rozvoja vidieka SR pre bezpečnosť potravinového reťazca - člen
	Ministerstvo pôdohospodárstva a rozvoja vidieka SR, Národný kontaktný bod pre vedeckú a technickú spoluprácu s EFSA	Vedecká sieť NCP pre Nariadenie Rady (ES) 1099/2009 - nominovaný zástupca SR
MVDr. Martina Miterpáková, DrSc.	Rada Agentúry na podporu výskumu a vývoja pre pôdohospodárske vedy	členka
	Európsky úrad pre bezpečnosť potravín (EFSA), MPaRV SR	expert EFSA, člen národnej vedeckej skupiny pre biologické riziká a hygienu potravín
prof. MVDr. Marián Várady, DrSc.	Sektorová rada pre poľnohospodárstvo, veterinárstvo a rybolov AZZZ SR	člen
	Ad hoc komisia pre obhajoby doktorských dizertačných prác vo vednom odbore parazitológia - 010620	predseda

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

Názov expertízy: Diagnostika parazitárnych ochorení ľudí

Adresát expertízy: DFN Košice, Univerzitná nemocnica (UN) Martin, UN L. Pasteura Košice, Infekčné a chirurgické kliniky, praktickí lekári, infektológovia

Spracoval: MVDr. Daniela Antolová, DrSc.

Stručný opis: Diagnostika, overenie a potvrdenie diagnózy echinokokózy, trichinelózy, toxokarózy, dirofilariózy a iných parazitóz u ľudí pomocou klasických vyšetrovacích metód a metód, ktoré pri týchto ochoreniach ostatné diagnostické laboratóriá na Slovensku neposkytujú (Western Blot, molekulárne metódy).

Názov expertízy: Konzultačné služby a diagnostika parazitárnych ochorení ľudí

Adresát expertízy: Verejnosť

Spracoval: MVDr. Daniela Antolová, DrSc.

Stručný opis: Poskytovanie konzultácií (priamo, telefonicky, mailom) a diagnostika parazitárnych ochorení ľudí, mikroskopické vyšetrenie a analýzy biologického materiálu pre širokú laickú, ale aj odbornú verejnosť.

Názov expertízy: Overovanie pozitívneho výsledku na prítomnosť protilátok proti *Trichinella* spp. a *Echinococcus* spp.

Adresát expertízy: Diagnostické laboratóriá

Spracoval: MVDr. Daniela Antolová, DrSc.

Stručný opis: Vyšetrenie vzoriek pre diagnostické laboratóriá, ktorým „Usmernenie Ministerstva zdravotníctva SR“ ukladá povinnosť overiť výsledok vyšetrenia v prípade pozitívneho nálezu protilátok proti *Trichinella* spp. inou metódikou. Overovanie výsledkov sérologického vyšetrenia na *Echinococcus* spp. v sporných prípadoch (na požiadanie laboratórií).

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

N/A

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

N/A

9. Aktivity v orgánoch SAV

9.1. Členstvo vo Výbore Snemu SAV

MVDr. Daniela Antolová, DrSc.

- Členka

9.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

MVDr. Daniela Antolová, DrSc.

- Členka Vedeckej rady SAV

- Podpredsedníčka SAV pre 2. oddelenie vied

9.3. Členstvo v komisiách SAV

MVDr. Daniela Antolová, DrSc.

- Edičná rada SAV (členka)

- Komisia SAV pre ekonomické otázky (členka)

- Komisia SAV pre médiá, komunikáciu a program Otvorená akadémia (členka)

- Komisia SAV pre spoluprácu s vedeckými spoločnosťami (členka)

- Komisia SAV pre životné prostredie a klimatickú zmenu (členka)

- Škodová komisia SAV (členka)

doc. MVDr. Zuzana Hurníková, PhD.

- Komisia SAV pre vyhodnocovanie medzinárodných projektov (členka)

MVDr. Jindřich Šoltys, CSc.

- Edičná rada SAV (člen)

9.4. Členstvo v orgánoch VEGA

prof. MVDr. Marián Várady, DrSc.

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

RNDr. Bronislava Víchová, PhD.

- Komisia VEGA č. 4 - pre biologické vedy (členka)

10. Starostlivosť o ľudské zdroje, rodovú rovnosť, pracovné a sociálne podmienky zamestnancov a uplatňovanie ich práv

10.1. Uplatňovanie princípov stratégie ľudských zdrojov HRS4R

V súvislosti s tým, že SAV sa získaním ocenenia HRS4R zaviazala pri náboře vedeckých pracovníkov v plnej miere implementovať odporúčania Európskej únie, aj manažmentu PaÚ záleží pri prijímaní nových zamestnancov na transparentných a merateľných postupoch. Dokument "Zásady náboru a výberu zamestnancov vo verejnej výskumnej inštitúcii Slovenskej akadémie vied" je zverejnený na webovej stránke organizácie. Na inzerciu voľných pracovných miest sa využíva platforma „profesia.sk“, webová stránka ústavu a SAV, aj oznámenie na regionálny Úrad práce. Na každom výberovom konaní sa zúčastňuje riaditeľ, zamestnanec zodpovedný za personalistiku, vedúci laboratória (prípadne iní členovia výskumného tímu, do ktorého je nový pracovník prijímaný), a zástupca odborového zväzu zamestnancov.

V rámci vednej politiky vedenie PaÚ kladie veľký dôraz na podporu kariérneho rozvoja mladých vedeckých pracovníkov. Strategickým cieľom je možnosť získania pracovnej zmluvy na školiacom pracovisku a pokračovania v zahájenom výskume pre najlepšie hodnotených končiacich doktorandov. Za týmto účelom Vedecká rada PaÚ vypracovala v roku 2017 interný predpis („Interný predpis pre postdoktorandov Parazitologického ústavu SAV stanovujúci kritériá pre získanie pracovnej zmluvy“), ktorý presne špecifikuje možnosti a podmienky kariérneho rastu postdoktorandov na PaÚ.

Z hľadiska slobody výskumu, každý pracovník PaÚ SAV, ktorý je zaradený minimálne do vedeckého kvalifikačného stupňa IIa (samostatný vedecký pracovník), má právo pripraviť projektový návrh a slobodne sa rozhodnúť, akej výskumnej téme sa bude venovať. Aby sa predišlo porušeniu etických zásad, či nemožnosti naplnenia vytýčených cieľov výskumu z dôvodu finančných alebo infraštruktúrnych obmedzení, každý návrh pripravovaného projektu musí byť najprv predložený na schválenie vedeckej rade pracoviska a riaditeľovi ústavu, ktorí môžu pripomienkovať napr. personálnu maticu projektu a iné, prevažne formálne otázky projektu. Doteraz sme sa nestretli so situáciou, aby návrh projektu bol zamietnutý z dôvodu slabej vedeckej stránky projektu alebo neaktuálnosti výskumnej témy.

Manažment PaÚ dbá aj o etické zásady výskumu. Pracovníci PaÚ SAV dodržiavajú zásady etického správania, ako aj etické normy stanovené v slovenskej legislatíve. PaÚ SAV má vymenovanú päťčlennú Etickú komisiu, ktorej náplňou je zaoberať sa podnetmi zamestnancov organizácie vzťahujúcich sa na porušovanie základných etických pravidiel vedeckej práce a ostatných základných noriem etického správania na pracovisku. Komisia sa riadi Etickým kódexom SAV.

10.2. Informácie o aktivitách súvisiacich s uplatňovaním princípov rodovej rovnosti

Na PaÚ neexistuje diskriminácia na základe pohlavia pracovníkov, avšak dlhodobou skutočnosťou je prevaha výskumných pracovníkov, ale aj iných zamestnancov, ženského pohlavia. Dôvodom môže byť vyššia atraktivita výskumnej práce v oblasti parazitológie pre ženy, alebo naopak, nízka atraktivita finančného ohodnotenia z pohľadu mužov. Významne k danej situácii prispieva aj výrazná prevaha žien študujúcich biologicko-ekologické odbory na prírodovedeckých fakultách a na Univerzite veterinárskeho lekárstva a farmácie. Keďže prevažnú väčšinu doktorandov a následne aj postdoktorandov a vedeckých pracovníkov tvoria práve absolventi týchto odborov, je prevaha žien na pracovisku odôvodniteľná. K 31.12.2025 bolo v organizácii zamestnaných 37 žien a 13 mužov.

V roku 2025 sa PaÚ SAV pripojil k aktivite Predsedníctva SAV podpísaním dokumentu „Plán rodovej rovnosti SAV na roky 2025 – 2029“, ktorý bol následne publikovaný na webovej stránke organizácie.

10.2.1. Rodová skladba hlavných riešiteľov (vedúcich) projektov

Tabuľka 10a Rodová skladba hlavných riešiteľov domácich projektov

ŠTRUKTÚRA PROJEKTOV	Organizácia SAV je nositeľom projektu			Organizácia SAV je zmluvným partnerom		
	Počet	Hlavný riešiteľ		Počet	Hlavný riešiteľ za organizáciu	
		Muž	Žena		Muž	Žena
1. Projekty VEGA	12	4	8	0	0	0
2. Projekty APVV	3	1	2	2	1	1
3. Projekty EŠIF/OP ŠF, Plán obnovy EÚ	2	2	0	0	0	0
4. Projekty SASPRO	0	0	0	0	0	0
5. Projekty IMPULZ	0	0	0	0	0	0
6. Iné projekty (FM EHP, Vedecko-technické projekty, na objednávku rezortov a pod.)	5	2	3	0	0	0

Tabuľka 10b Rodová skladba hlavných riešiteľov medzinárodných projektov

ŠTRUKTÚRA PROJEKTOV	Organizácia SAV je nositeľom projektu			Organizácia SAV je zmluvným partnerom		
	Počet	Hlavný riešiteľ		Počet	Hlavný riešiteľ za organizáciu	
		Muž	Žena		Muž	Žena
1a. Projekty Horizont 2020	0	0	0	0	0	0
1b. Projekty Horizont Európa	0	0	0	0	0	0
2. Projekty ERA.NET, ESA, JRP	1	0	1	0	0	0
3. Projekty COST	0	0	0	2	1	1
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVF, ERDF a iné	1	1	0	0	0	0
5. Projekty v rámci medzivládnych dohôd	2	1	1	0	0	0
6. Projekty Mobility, Mobility Basic, Open Mobility a Mobility Visit	1	0	1	0	0	0
7. Bilaterálne projekty ostatné	1	0	1	0	0	0
8. Podpora MVTS z národných zdrojov (SAV, APVV a iné)	2	1	1	1	1	0
9. Podpora excelentného výskumu: SAS-UPJŠ ERC Visiting Fellowship Grants, Seal of Excellence, TANDEM	1	1	0	0	0	0
10. Iné projekty	0	0	0	1	1	0

10.2.2. Výskum zameraný na rodovú problematiku

Vzhľadom na vedný odbor a charakter výskumu realizovaného na PaÚ SAV, v. v. i. organizácia nevykazuje projekty zamerané na rodovú problematiku.

10.3. Informácie o pracovných a sociálnych podmienkach zamestnancov a uplatňovaní ich práv

Vedenie PaÚ SAV vyvíja stálu snahu o zabezpečenie pracovných podmienok vhodných pre všetkých výskumných pracovníkov, ale aj ostatných zamestnancov. PaÚ SAV má vymenovanú Referentku pre bezpečnosť a ochranu zdravia pri práci, ako aj Zdravotnícku hliadku a Protipožiarnu hliadku. Pracovné podmienky sú pravidelne preverované na základe platnej vnútroštátnej legislatívy kontrolnými organizáciami.

Na pracovisku pôsobí Odborový zväz, ktorý v súčinnosti s vedením pracoviska vydáva každý rok Kolektívnu zmluvu, ktorá akceptuje zásady a nariadenia stanovené Kolektívnou zmluvou vyššieho stupňa a zároveň prihliada na špecifické podmienky zamestnancov PaÚ, akými sú flexibilná pracovná doba, úprava pracovnej doby v čase extrémnych horúčav, čerpanie voľna a náhrada pracovného času v prípade náhleho ochorenia, a podobne.

Zamestnanci majú zabezpečené stravovanie v závodnej jedálni THS ústavov SAV v Košiciach alebo formou stravných lístkov Edenred, s.r.o. Zo sociálneho fondu sú poskytované príspevky na sociálnu politiku, sociálnu výpomoc z dôvodu dlhodobej práceneschopnosti, pri narodení dieťaťa, pri príležitosti svadby, či preplatenie zdravotných úkonov. Finančný príspevok na vecný dar je poskytovaný pri dovŕšení 50. a 60. roku života zamestnanca a pri odpracovaní 25, 30, 35 a 40 rokov v organizácii.

11. Orgány v. v. i., ich skladba a činnosť, štrukturálne, organizačné a právne zmeny v organizácii

11.1. Správna rada - zloženie a základná informácia o činnosti

Zloženie SR PaÚ SAV:

V roku 2025 Správna rada PaÚ SAV, v. v. i. pracovala v tomto zložení:

do 5.6.2025 **MVDr. Daniela Antolová, DrSc.** (predsedníčka); **prof. MVDr. Marián Várady, DrSc.** – s účinnosťou od 1. septembra 2024 sa prof. Várady vzdal pozície predsedu SR PaÚ SAV z dôvodu získania „Štipendia pre excelentných výskumníkov a výskumníčky R2-R4“ v rámci Plánu obnovy, čo vyžaduje jeho 100 %-nú viazanosť na projekt; **RNDr. Mikuláš Oros, DrSc.**; **RNDr. Bronislava Víchová, PhD.** a **MVDr. Jindřich Šoltys, CSc.**;

od 6.6.2025 **RNDr. Mikuláš Oros, DrSc.** (predseda), **MVDr. Daniela Antolová, DrSc.** – s účinnosťou od 5. júna 2025 sa dr. Antolová vzdala pozície predsedníčky SR PaÚ SAV z dôvodu, že sa stala členkou Predsedníctva SAV; **prof. MVDr. Marián Várady, DrSc.**; **RNDr. Bronislava Víchová, PhD.** a **MVDr. Jindřich Šoltys, CSc.**

Činnosť SR PaÚ SAV v roku 2025:

V roku 2025 SR PaÚ SAV zasadala, resp. rokovala trinásťkrát a venovala sa nižšie uvedeným témam a problémom:

24.01.2025; prezenčná forma:

- príprava požiadaviek PaÚ SAV, v. v. i. do zásobníka investícií SAV na rok 2025;

05.02.2025; prezenčná forma:

- vyhodnotenie prihlášok kandidátov na člena Vedeckej rady PaÚ SAV, v. v. i. na volebné obdobie 1.3.2025 – 28.2.2030;

10.03.2025; prezenčná forma, spoločné zasadnutie s VR PaÚ SAV, v. v. i.:

- prerokovanie nového členenia PaÚ SAV (vznik dvoch oddelení) a návrh zmien interných predpisov PaÚ SAV, v. v. i.;

17.03.2025; prezenčná forma:

- schválenie účtovnej závierky PaÚ SAV, v. v. i. za rok 2024;

18.03.2025; hlasovanie formou *per rollam*:

- schválenie návrhu rozpočtu PaÚ SAV, v. v. i. na rok 2025;

07.05.2025; prezenčná forma:

- prerokovanie zmien v Organizačnom poriadku PaÚ SAV, v. v. i.;

- schválenie interného predpisu upravujúceho výšku odvodov do režijných nákladov z projektov na PaÚ SAV, v. v. i.;

- zaujatie stanoviska k žiadosti Dr. Brázovej o nákup nového prístroja a opravu existujúcich zariadení;

20.05.2025; hlasovanie formou *per rollam*:

- schválenie Organizačného poriadku Parazitologického ústavu SAV v. v. i.;

05.06.2025; prezenčná forma:

- voľba zastupujúceho predsedu Správnej rady PaÚ SAV, v. v. i.,

20.06.2025; prezenčná forma:

- prerokovanie plánovaných rekonštrukcií budov PaÚ SAV, v. v. i. za rok 2025,

- schválenie Výročnej správy o činnosti a hospodárení PaÚ SAV, v. v. i. za rok 2024;

09.09.2025; prezenčná forma:

- prerokovanie stavu realizácie rekonštrukcií budov PaÚ SAV, v. v. i. za rok 2025;

30.09.2025; prezenčná forma:

- prerokovanie plánovaných rekonštrukcií a opráv budov PaÚ SAV, v. v. i. za rok 2025;

17.10.2025; prezenčná forma:

- prerokovanie stanoviska vedenia a SR PaÚ SAV, v. v. i. k predloženej projektovej dokumentácii „Svetelnotechnický posudok“ investora Ing. Petra Gaľa, k žiadosti o výstavbu bytového domu na pozemku susediacom s pozemkom a nehnuteľnosťou vo vlastníctve PaÚ SAV, v. v. i. na Löfflerovej ulici v Košiciach,

- realizácia VO k výmene podlahovej krytiny a dverí vo vestibule a potrubia v suteréne budovy PaÚ SAV,

v. v. i. z prostriedkov fondu opráv PaÚ SAV, v. v. i.;

20.11.2025; prezenčná forma:

- prerokovanie stanoviska vedenia a SR PaÚ SAV, v. v. i. k doplnenej projektovej dokumentácii a „Svetelnotechnický posudok – dodatok č.01 (25022_D0.01)“ investora Ing. Petra Gaľa, k žiadosti o výstavbu bytového domu na pozemku susediacom s pozemkom a nehnuteľnosťou vo vlastníctve PaÚ SAV, v. v. i. na Löfflerovej ulici v Košiciach,
- schválenie harmonogramu rekonštrukcie elektroinštalácií v budove PaÚ SAV, v. v. i. na Hlinkovej 3.

11.2. Vedecká rada - zloženie a základná informácia o činnosti

Zloženie VR PaÚ SAV:

Dňa 11. februára 2025 prebehli voľby členov Vedeckej rady PaÚ SAV, v. v. i. (VR PaÚ); za jej novú predsedníčku bola na prvom zasadnutí dňa 4. marca 2025 zvolená **MVDr. Martina Miterpáková, DrSc.** a podpredsedníčku **MVDr. Eva Čisovská, PhD.** Za ďalšie interné členky VR PaÚ boli zvolené **doc. RNDr. Ingrid Papajová, PhD.** a **RNDr. Martina Orosová, PhD.** Externými členmi VR PaÚ sa stali **doc. MVDr. Jana Koščová, PhD.** z Univerzity veterinárskeho lekárstva a farmácie v Košiciach (UVLF), **prof. RNDr. Ľubomír Kováč, CSc.** z Prírodovedeckej fakulty Univerzity Pavla Jozefa Šafárika v Košiciach (UPJŠ) a **MVDr. Martin Kasenčák** z Veterinárneho a potravinového ústavu v Košiciach.

Činnosť VR PaÚ SAV v roku 2025:

V roku 2025 VR PaÚ SAV zasadala, resp. rokovala dvanásťkrát a venovala sa nižšie uvedeným témam a problémom:

09.01.2025; prezenčná forma:

- výber tém doktorandského štúdia na akademický rok 2025/2026;
- výber významných výsledkov pracoviska do Správy o činnosti PaÚ SAV, v. v. i. za rok 2024;
- prerokovanie žiadosti o podporu vydania publikácie (Stanko, Csanády: The mound-building mouse, *Mus spicilegus* Petényi, 1882, in Slovakia);
- návrhov kandidátov Akademickkej obce PAÚ SAV na členov Predsedníctva SAV.

05.02.2025; hlasovanie formou *per rollam*:

- vyjadrenie VR organizácie k zneniu Výročnej správy PaÚ SAV, v. v. i. o činnosti a hospodárení za rok 2024.

12.02.2025; hlasovanie formou *per rollam*:

- vyjadrenie VR organizácie k prihláške RNDr. Lukáša Ihnacika do Súťaže doktorandov a doktorandiek SAV.

04.03.2025; prezenčná forma:

- voľba predsedu VR PaÚ SAV;
- návrh kandidátov do komisií VEGA na roky 2025 – 2029;
- návrh kandidáta vo veci volieb do snemu SAV na roky 2025 – 2029;
- prerokovanie návrhov plánovaných žiadostí o finančný príspevok na projekty VEGA so začiatkom riešenia v roku 2026.

10.03.2025; prezenčná forma, zasadnutie Akademickkej obce PaÚ SAV:

- voľby zástupcu PaÚ SAV do Snemu SAV.

12.05.2025; hlasovanie formou *per rollam*:

- vyjadrenie stanoviska k zneniu aktualizovaného Organizačného poriadku PaÚ SAV, v. v. i.

26.05.2025; hlasovanie formou *per rollam*:

- vyjadrenie VR organizácie k návrhom kandidátov za členov Vedeckej rady SAV.

03.06.2025; prezenčná forma:

- hodnotenie doktorandov štvrtého ročníka PhD. štúdia;
- prerokovanie aktualizácie štatútu a rokovacieho poriadku VR PaÚ SAV.

19.06.2025; hlasovanie formou *per rollam*:

- vyjadrenie stanoviska k zneniu Správy o činnosti PaÚ SAV, v. v. i. za rok 2024 (časť B).

31.07.2025; hlasovanie formou *per rollam*:

- stanovisko členov VR organizácie k poskytnutiu motivačného štipendia interným doktorandom.

25.08.2025; hlasovanie formou *per rollam*:

- schvaľovanie dokumentu „Štatút Vedeckej rady PaÚ SAV, v. v. i.“ členmi Akademickkej obce PaÚ SAV.

22.09.2025; hlasovanie formou *per rollam*:

- vyjadrenie VR organizácie k návrhom na priznanie vedeckého kvalifikačného stupňa IIa (Kuzmina, Sarabeev, Syrota).

11.3. Dozorná rada - zloženie a základná informácia o činnosti

Zloženie DR PaÚ SAV:

Dozorná rada PaÚ SAV, v. v. i. (DR PaÚ SAV) pracovala v roku 2025 v zložení: **prof. RNDr. Karol Marhold, DrSc.** – predseda; **prof. RNDr. Milada Holecová, CSc.** – členka; **Ing. Ľubica Konečná** – členka.

Činnosť DR PaÚ SAV v roku 2025:

V roku 2025 DR PaÚ SAV zasadala, resp. rokovala štyrikrát a venovala sa nižšie uvedeným témam a problémom:

27. marca 2025 – prerokovanie a *per rollam* schválenie:

- účtovnej závierky PaÚ SAV, v. v. i. za rok 2024.

18. mája 2025 – prerokovanie a *per rollam* schválenie:

- Organizačného poriadku PaÚ SAV, v. v. i.

- Interného predpisu Atestačnej komisie PaÚ SAV, v. v. i.

- Interného predpisu o výške odvodov nepriamych nákladov z projektov do réžie PaÚ SAV.

27. júna 2025 – zasadnutie Dozornej rady PaÚ SAV, v. v. i. hybridnou formou s programom:

1. Otvorenie

2. Správa zástupkyne riaditeľa o hospodárení organizácie a finančnom výsledku za predchádzajúci rok

3. Informácia o projektovej činnosti, personálnej politike, údržbe, opravách a investíciách do majetku organizácie v predchádzajúcom roku a plán bežný rok

4. Prerokovanie výročnej správy v. v. i. (podľa §27, bodu 1 zákona o v. v. i.)

5. Prerokovanie hospodárskeho/finančného plánu činnosti v. v. i. na daný rok

6. Rôzne

15. decembra 2025 – zasadnutie Dozornej rady PaÚ SAV, v. v. i. hybridnou formou s programom:

1. Otvorenie

2. Informácia zástupkyne riaditeľa o aktuálnom stave organizácie a plánoch organizácie (projektový a personálny manažment, starostlivosť o majetok)

3. Informácia riaditeľa o hospodárení organizácie a dlhodobých plánoch

4. Správa o činnosti DR v roku 2024

5. Rôzne

11.4. Informácie o štrukturálnych a organizačných zmenách v organizácii

V roku 2025 bol aktualizovaný organizačný poriadok Parazitologického ústavu SAV, v. v. i., pričom boli zohľadnené pripomienky zo strany medzinárodného hodnotiaceho panelu v rámci akreditácie ústavov SAV z roku 2022. Pôvodne 11 laboratórií bolo zredukovaných do troch organizačných jednotiek. Aktuálne vedecko-výskumný úsek PaÚ SAV tvoria:

- Oddelenie experimentálnej parazitológie (užšie orientované na výskumné smery patriace do základného výskumu a spoluprácu s výskumnými inštitúciami v zahraničí);

- Oddelenie parazitárnych chorôb (špecializované na epidemiológiu, diagnostiku, prevenciu a terapiu parazitárnych infekcií a spoluprácu so štátnymi aj súkromnými inštitúciami a komunikáciu s odbornou a laickou verejnosťou);

- Aplikačné centrum pre ochranu zdravia ľudí, zvierat a rastlín pred parazitmi (poskytujúce diagnostické a konfirmačné parazitologické vyšetrenia a konzultačnú činnosť pre praktických veterinárov, humánnych lekárov a širokú verejnosť, ako aj realizáciu monitorovaní výskytu parazitárnych ochorení pre potreby štátnych orgánov).

Ďalšími zložkami v organizačnej štruktúre PaÚ SAV sú:

- Sekretariát riaditeľa
- Knižnica
- Redakcia časopisu Helminthologia
- Zvieratník

- Prevádzkový úsek.

11.5. Zmeny zakladacej listiny, vnútorných predpisov organizácie alebo zakladateľa

V roku 2025 boli vytvorené alebo aktualizované nasledujúce interné predpisy PaÚ SAV, v. v. i., ktoré boli prerokované a schválené Dozornou radou PaÚ SAV dňa 18. mája 2025:

- Organizačný poriadok PaÚ SAV, v. v. i.
- Interný predpis Atestačnej komisie PaÚ SAV, v. v. i.
- Interný predpis o výške odvodov nepriamych nákladov z projektov do réžie PaÚ SAV.

12. Činnosť knižnično-informačného pracoviska organizácie

12.1. Knižničný fond

Tabuľka 12a Knižničný fond

Knižničné jednotky spolu		6578
z toho	knihy a zviazané periodiká	6206
	audiovizuálne dokumenty	3
	elektronické dokumenty (vrátane digitálnych)	33
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	336
	Rukopisy, vzácne tlače	0
Počet titulov dochádzajúcich periodík		4
z toho zahraničné periodiká		2
Ročný prírastok knižničných jednotiek		10
v tom	kúpou	1
	darom	9
	výmenou	0
	bezodplatným prevodom	0
	náhradou	0
Úbytky knižničných jednotiek		0
Knižničné jednotky spracované automatizovane		633

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

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

12.2. Výpožičky a služby

Tabuľka 12b Výpožičky a služby

Výpožičky spolu (riadok 1)		50
v tom z r. 1	prezenčné výpožičky	10
	absenčné výpožičky	40
v tom z r. 1	odborná literatúra pre dospelých	45
	výpožičky periodík	5
MVS iným knižniciam		0
MVS z iných knižníc		17
MMVS iným knižniciam		0
MMVS z iných knižníc		14
Počet vypracovaných bibliografií		0
Počet vypracovaných rešerší		0

12.3. Používatelia

Tabuľka 12c Používatelia

Registrovaní používatelia	75
Návštevníci knižnice spolu (bez návštevníkov podujatí)	25

12.4. Iné údaje

Tabuľka 12d Iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	1
Náklady na nákup knižničného fondu v €	80

12.5. Iné informácie o knižničnej činnosti

Knižnica ústavu poskytuje okrem štandardných knihovníckych služieb aj špeciálne knižnično-informačné služby:

- Evidencia publikačnej činnosti zamestnancov a interných doktorandov PaÚ SAV a citácií a ohlasov na ich zamestnanecké publikácie v databáze ARL a duálna kategorizácia publikačnej činnosti a ohlasov v databáze CREPČ, spracovanie požadovaných výstupov pre rôzne účely;
- Upload publikácií vytvorených zamestnancami PaÚ SAV do repozitára SAV;
- Konzultačné a asistenčné služby pre zamestnancov PaÚ SAV pri výbere a overovaní dôveryhodných vydavateľstiev a časopisov v rámci iniciatívy Think.Check.Submit.;
- Vyhľadávanie v prostredí platformy Clarivate a jej databáz, databáza Scopus a Scimago; tvorba a správa profilov Web of Science Researcher ID, Orcid a Scopus ID (podľa požiadaviek);
- Výpožičné služby, medziknižničné a medzinárodné medziknižničné výpožičné služby (MVS a MMVS) pre zamestnancov ústavu a externých používateľov;
- Akvizícia vedeckej literatúry a periodík;
- Bibliograficko-informačné služby;
- Zabezpečenie výmeny publikácií a časopisov za iné periodiká a vedeckú literatúru z celého sveta;
- Reprografické služby.

13. Nadácie a fondy pri organizácii SAV

N/A

14. Realizácia Konceptie dlhodobého rozvoja a Akčného plánu organizácie

14.1. Odporúčania z posledného pravidelného (akreditačného) hodnotenia organizácií SAV

Výsledkom akreditácie pracoviska medzinárodným hodnotiacim panelom za obdobie 2016-2021 boli nasledovné odporúčania:

- **publikovať vo vedeckých časopisoch, ktoré zaručia publikáciám vyššiu citovanosť** a medzinárodný ohlas;
- **diskutovať o možnosti koncentrécie veľkého počtu laboratórií** a z toho vyplývajúcich výskumných zameraní;
- **získať externé financovanie predovšetkým vo forme európskych projektov**, pričom by mali byť nápomocné medzinárodné kontakty získané prostredníctvom riešenia COST a ERA-Net projektov;
- **rozvíjať politiku duševného vlastníctva** v rámci možností vyplývajúcich z právnej formy verejnej výskumnej inštitúcie;
- **rozšíriť svoju činnosť v oblasti diagnostiky parazitárnych ochorení ľudí, domácich a hospodárskych zvierat** formou zmluvných kontraktov;
- **vypracovať** v spolupráci so všetkými zamestnancami ústavu **stratégiu strednodobého rozvoja pracoviska**.

14.2. Hlavné body Akčného plánu organizácie a stav ich plnenia

Manažment PaÚ SAV, v. v. i., spolu s vedeckou a správnu radou organizácie intenzívne pracujú na realizácii odporúčaní vyplývajúcich z medzinárodnej akreditácie, ako aj interného posudzovania zo strany Predsedníctva SAV. Aktuálne je intenzívna pozornosť v rámci ich plnenia zameraná na nižšie uvedené oblasti:

- **Kvalita výstupov výskumu**

Na PaÚ SAV, v. v. i. sa od roku 2016 realizujú v trojročných intervaloch pravidelné atestácie vedeckých pracovníkov, ktorých cieľom je pravidelne hodnotiť a zároveň zvyšovať publikačnú aktivitu vedeckých pracovníkov, a tým aj pracoviska ako celku. V roku 2025 bol aktualizovaný a následne dozornou radou schválený Interný predpis Atestačnej komisie PaÚ SAV, v. v. i. V súčasnosti je publikačná aktivita vedeckých pracovníkov ústavu nadpriemerná v rámci II. Oddelenia vied SAV. V rokoch 2022-2024 bol priemerný podiel publikácií pracoviska uverejnených v Q1/Q2 (Scopus) 78 %. Podiel publikácií vo vedeckých časopisoch v databáze Scopus, ktoré spadajú do 10 % najlepších časopisov bol v uvedenom období 19 %. Významný výsledok PaÚ SAV prezentovaný vo výročnej správe pracoviska bol vybraný do Výročnej správy SAV v každom z posledných 4 rokov. V roku 2025 bolo v databázach „Current Contents Connect“, „Web of Science Core Collection“ a „Scopus“ evidovaných spolu 71 vedeckých prác, v prepočte viac ako 2 publikácie na jedného vedeckého pracovníka, pričom až 32 (44 %) z týchto prác bolo uverejnených vo vedeckých časopisoch zaradených do 1. decilu. Pozitívom je aj každoročne narastajúci počet ohlasov na publikované práce.

- **Zefektívnenie organizačnej štruktúry**

V roku 2025 manažment PaÚ SAV, v. v. i. reagoval na výzvu hodnotiacich autorít ohľadom redukcie, resp. koncentrécie veľkého počtu laboratórií. Ako bolo opísané v kapitolách 11.4. a 11.5. tejto správy, organizačná štruktúra PaÚ SAV, v. v. i. prešla v roku 2025 zásadnou zmenou. Pôvodne 11 laboratórií, ktoré tvorili samostatné organizačné jednotky, bolo koncentrovaných do dvoch výskumných oddelení, špecializovaných prioritne na základný, resp. aplikovaný/spoločensky orientovaný výskum, a jedno centrum zastrešujúce diagnostickú, expertíznu a konzultačnú činnosť pre odbornú aj laickú verejnosť a pre potreby štátnych orgánov:

- Oddelenie experimentálnej parazitológie
- Oddelenie parazitárnych chorôb

- Aplikačné centrum pre ochranu zdravia ľudí, zvierat a rastlín pred parazitmi.

Nová štruktúra výskumných jednotiek bola upravená v Organizačnom poriadku PaÚ SAV, v. v. i. a aktualizovaný dokument bol schválený Dozornou radou PaÚ SAV, v. v. i. dňa 18. mája 2025.

- **Zapájanie sa do európskych projektov**

Slabou stránkou pracoviska v kontexte záverov a odporúčaní medzinárodného hodnotiaceho panelu je nízka úspešnosť v získavaní finančných zdrojov v externých medzinárodných grantových schémach. Preto ústav zvýšil úsilie pri vyhľadávaní výziev a možností zapojiť sa do európskych projektov. Aj keď absentujú výzvy v dominantnej vednej oblasti nášho pracoviska, uvedomujeme si, že je potrebné hľadať prieniky nášho výskumu s aktuálnymi témami výziev.

V roku 2025 sa organizácii podarilo, v spolupráci s Ústavom zoológie SAV, v. v. i., získať projekt TUBITAK v rámci programu „Join Research Project“.

Ešte v roku 2024 bol podaný projekt v rámci výzvy „Marie Skłodowska-Curie Actions for Ukraine“ (MSCA4Ukraine), zastrešený programom „the European Union's Horizon Europe Research and Innovation Programme under grant agreement No. 101101923“. Pracovisko sa do tejto výzvy zapojilo projektom s názvom „Assessing parasite diversity and host-parasite relationships in crustacean hosts to control bioinvasions and ensure environmental and public health“, ktorého žiadateľom je Dr. Volodimir Sarabeev. Jeho projekt bol zaradený medzi 150 z 550 podaných projektov, ktoré postúpili do druhého hodnotiaceho kola, a v rámci výskumnej oblasti prírodných vied bol v poradí 13-tym najlepšie hodnoteným z vyše 70 podaných projektov. Projekt nebol z dôvodu obmedzenej finančnej kapacity podporený, avšak jeho predkladateľ, Dr. Sarabeev, získal v septembri 2025 časť prostriedkov na jeho riešenie z programu Seal of Excellence, a zároveň je od októbra 2025 poberateľom štipendia z medzinárodného fondu „International Visegrad Fund“.

Ďalší vedecký pracovník, Dr. Yaroslav Syrota, sa v roku 2025 zapojil do výzvy „SAFE – Supporting At-risk researchers with Fellowships in Europe“ koordinovanej Nemeckou akademickou výmennou službou DAAD (Deutscher Akademischer Austauschdienst).

- **Politika duševného vlastníctva**

Zatiaľ nevyplývala potreba aktívne riešiť tento bod akčného plánu. Keďže organizácia v rámci svojej činnosti nevyvíja nové diagnostické metódy, produkty, liečivá ani biotechnologické postupy, neexistuje veľa možností pre udelenie patentov, úžitkových vzorov, či licencií, a ich následné udržiavanie, ktoré je finančne náročné.

- **Diagnostická činnosť**

PaÚ SAV, v. v. i. je veľmi aktívne zapojený do diagnostickej činnosti, v rámci ktorej spolupracuje s mnohými všeobecnými aj špecializovanými humánnymi aj veterinárnymi lekármi, klinikami a nemocnicami, diagnostickými laboratóriami, štátnymi organizáciami, súkromnými firmami, aj jednotlivcami. Sme presvedčení, že v oblasti diagnostiky, s ohľadom na právny charakter inštitúcie a jej zameranie a oblasť výskumu, robíme v rámci našich možností maximum.

- **Stratégia strednodobého rozvoja**

V roku 2024 bola vypracovaná podrobná Stratégia rozvoja výskumu na obdobie 2024 – 2026, na ktorej plnení sa aktuálne podieľame. Naším zámerom je udržať si pozíciu lídra v oblasti parazitologického výskumu na Slovensku a zamerať sa na riešenie výskumných úloh zohľadňujúcich súčasné celosvetové environmentálne aj spoločenské aspekty a zmeny, konkrétne:

- Vzhľadom na dlhodobu absenciu **protistologický výskum** je dôležitým cieľom štandardizácia molekulárnych metód a protokolov na determináciu pôvodcov kokcidióz v chovoch zvierat, a štúdium ich fylogenetických vzťahov a populačnej genetiky metódami NGS sekvenovania.
- V duchu konceptu „**OneHealth**“ budú **NGS postupy** využívané aj za účelom neinvázneho monitorovania a detekcie parazitárnych infekcií ľudí aj zvierat viazaných na rôzne komponenty životného prostredia. Súčasťou výskumu budú aj makroekologické analýzy, ktoré umožnia realizáciu rozsiahlych skríningov významných pôvodcov parazitárnych infekcií, ako aj identifikáciu invázných druhov parazitov s vysokým ekologickým významom. Pre hodnotenie rizika výskytu a šírenia pôvodcov parazitárnych ochorení je v pláne po prvýkrát použiť **metódy multikriteriálnej analýzy a GIS mapovania**.
- Bude aplikovaný nový metodický prístup **ddRAD sekvenovania**, ktorý umožní detailnejšiu determináciu genetickej štruktúry populácií, zvýši presnosť analýz zameraných na sledovanie migračných ciest modelových druhov a ponúkne hlbší pohľad na evolučné vzťahy a genetické

variácie medzi populáciami v rámci druhu.

- Nadväzujúc na doterajší výskum vektorov bude pozornosť venovaná molekulárnej taxonómii a ekológii doposiaľ **nedostatočne preskúmaných hematofágnych dvojkrídlavcov**. Osobitný výskum bude venovaný **hyperparazitom** ako potenciálnym prirodzeným regulátorom ektoparazitov v prostredí.
- Výskum v oblasti ekológie a ekotoxikológie bude zameraný na vyhodnotenie miery znečistenia prostredia organickými a anorganickými látkami s **perspektívnym využitím studenokrvných živočíchov a ich parazitov ako bioindikátorov**.
- Za účelom zníženia **ekologických dopadov antihelmintík** v prostredí budú navrhnuté udržateľnejšie postupy na minimalizáciu ich používania pri liečbe parazitárnych infekcií hospodárskych zvierat. V rámci štúdia alternatívnej biologickej terapie bude realizovaný výskum **antiparazitárneho a imunomodulačného účinku probiotických baktérií a prírodných látok**.
- Naďalej bude rozvíjaný **výskum zmien v biodiverzite pôdných nematód pri rôznych typoch narušení** (vetrové kalamity, invázne rastliny, klimatická zmena), s dôrazom na ich vplyv na ekologickú stabilitu.

14.3. Aktualizácia Akčného plánu organizácie v roku 2025

Prioritou v aktualizácii Akčného plánu v roku 2025 bola zmena organizačnej štruktúry so zámerom redukcie veľkého počtu laboratórií a vytvorenia dvoch hlavných smerov výskumu v zmysle “**OneHealth**” konceptu. Vedecko-výskumná činnosť na PaÚ SAV, v. v. i. je aktuálne realizovaná v rámci **Oddelenia experimentálnej parazitológie (OEP)**, ktorého vedecká činnosť je užšie orientovaná na základný výskum a **Oddelenia parazitárnych chorôb (OPCh)**, v rámci ktorého je realizovaná spolupráca s viacerými súkromnými a štátnymi inštitúciami na Slovensku. Výskumná činnosť OEP je realizovaná v rámci vedných oblastí biodiverzita parazitov akvatických a terestrických ekosystémov, molekulárna ekológia vektorov, ekológia a ekotoxikológia, experimentálna imunológia a farmakológia a genetika jedinca a populácií. Výskum OPCh je zameraný na epidemiológiu, diagnostiku a terapiu parazitárnych infekcií ľudí, spoločenských, hospodárskych aj voľne žijúcich zvierat, environmentálnu parazitológiu a rastlinnú nematológiu. Veríme, že aj táto organizačná zmena prispeje k tomu, že si PaÚ SAV, v. v. i. udrží vedúcu pozíciu v oblasti špecializovaného výskumu zameraného na parazity ľudí, zvierat a rastlín, a zároveň umožní užšie prepojiť základný a aplikovaný výskum a rozvíjať interdisciplinárnu spoluprácu

15. Iné významné činnosti organizácie

N/A

16. Poskytovanie informácií v súlade so zákonom o slobodnom prístupe k informáciám

PaÚ SAV, v. v. i. poskytuje informácie v zmysle zákona č. 211/2000 Z. z., ktoré sú zverejnené na webovej stránke ústavu <https://pau.saske.sk/svk/>.

17. Problémy organizácie a podnety pre Predsedníctvo SAV k činnosti SAV

N/A

18. Vyjadrenia vedeckej rady organizácie k výsledkom výskumnej činnosti za uplynulý rok

Uvádzajte tu stručné rámcové hodnotenie výsledkov výskumnej činnosti schválené vedeckou radou organizácie a jej vyjadrenie k spôsobilosti organizácie vykonávať výskumnú činnosť.

V roku 2025 bolo na PaÚ SAV, v. v. i. riešených spolu 24 projektov národných agentúr. Okrem projektov financovaných grantovými agentúrami APVV (5 projektov) a VEGA (12 projektov), bol ústav nositeľom troch projektov v rámci „Výzvy na predkladanie žiadostí o poskytnutie prostriedkov mechanizmu na podporu obnovy a odolnosti - Štipendiá pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine, 09I03-03-V01“ (Vykonávateľ výzvy: Úrad vlády Slovenskej republiky). Okrem toho, od roku 2024 sú na PaÚ SAV riešené aj dva projekty v rámci výzvy „Štipendiá pre excelentných výskumníkov a výskumníčky R2-R4, 09I03-03-V04“ (Vykonávateľ výzvy: Úrad vlády Slovenskej republiky), ktorých nositeľmi sú prof. MVDr. Marián Várady, DrSc. (kategória R4) a MVDr. Daniel Barčák, PhD. (kategória R2).

V rámci medzinárodnej spolupráce bolo v roku 2025 riešených 10 projektov: 1 JRP projekt (TUBITAK), 2 projekty v rámci programu COST, 1 projekt financovaný Technologickou agentúrou Českej republiky, 2 bilaterálne APVV projekty, 1 MAD a 1 „Mobility“ projekt. S účinnosťou od septembra, resp. októbra 2025 sú na PaÚ SAV riešené aj projekty v rámci programov Seal of Excellence (Marie Curie Sklodowska Action 4 Ukraine – Horizon 2020) a International Visegrad Fund (Visegrad Scholarship), ktorých riešiteľom je prof. Volodimir Sarabeev, PhD.

Intenzívnu medzinárodnú spoluprácu vedecí pracovníci udržiavajú aj návštevami zahraničných inštitúcií. Na pracovných pobytoch v roku 2025 strávili spolu 250 dní. Prínosom sú predovšetkým študijné stáže doktorandov, ktorí si osvojili nové metodiky a postupy implementovateľné na domovskom pracovisku. Veľká časť zahraničných pobytov bola zameraná na zbery vzácneho biologického materiálu a rokovania o potenciálnej spolupráci.

Z pohľadu publikačnej činnosti došlo v porovnaní s predchádzajúcim rokom k významnému nárastu počtu prác publikovaných databázach „Current Contents Connect“, „Web of Science Core Collection“ a „Scopus“, zo 44 na 71, čo po prepočte predstavuje viac ako 2 práce na jedného vedeckého pracovníka. Navyše, veľkým pozitívom je vysoký podiel prác (až 44 %) publikovaných vo vedeckých časopisoch zaradených do 1. decilu. Na publikované vedecké výstupy bolo v roku 2025 zaznamenaných zatiaľ rekordných 1764 citácií (bez neevidovaných doplnkov za rok 2023).

Vedecká rada PaÚ SAV, v. v. i., na základe výsledkov výskumnej činnosti hodnotí úroveň odbornej spôsobilosti organizácie pre výkon výskumnej činnosti v odbore 010 620-Parazitológie (aj pre lekárske, farmaceutické, veterinárne, poľnohospodárske, lesnícke a vodohospodárske vedy) a 040 303-Infekčné a parazitárne choroby zvierat ako nadpriemernú.

Schválila vedecká rada organizácie SAV dňa 28.1.2026 .

MVDr. Martina Miterpáková, DrSc.
predsedníčka vedeckej rady

Výročnú správu o činnosti organizácie za rok 2025 vypracoval(i):

MVDr. Martina Miterpáková, DrSc., 055/6331411-13

Ing. Slavka Barľáková, 055/ 6222787

Košice, 28.1.2026

MVDr. Emília Dvorožňáková, PhD.

riaditeľka organizácie

PRÍLOHY k časti A

Príloha A-1: Zoznam zamestnancov a doktorandov organizácie k 31.12.2025**Zoznam zamestnancov podľa štruktúry**

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	MVDr. Daniela Antolová, DrSc.	100	1.00
2.	RNDr. Gabriela Hrčková, DrSc.	100	1.00
3.	RNDr. Ivica Hromadová, DrSc.	100	1.00
4.	MVDr. Martina Miterpáková, DrSc.	100	1.00
5.	RNDr. Mikuláš Oros, DrSc.	100	1.00
6.	doc. RNDr. Michal Stanko, DrSc.	60	0.60
7.	prof. MVDr. Marián Várady, DrSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	MVDr. Michal Babják, PhD.	100	1.00
2.	MVDr. Daniel Barčák, PhD.	100	1.00
3.	RNDr. Tímea Brázová, PhD.	100	1.00
4.	Ing. Andrea Čerevková, PhD.	100	1.00
5.	MVDr. Eva Čisovská Bazsalovicsová, PhD.	100	1.00
6.	MVDr. Emília Dvorožňáková, PhD.	100	1.00
7.	doc. MVDr. Zuzana Hurníková, PhD.	100	1.00
8.	RNDr. Anna Kandričáková, PhD.	100	1.00
9.	MVDr. Alžbeta Königová, PhD.	100	1.00
10.	MSc. Tetiana Kuzmina, PhD.	100	1.00
11.	RNDr. Martina Orosová, PhD.	100	1.00
12.	doc. RNDr. Ingrid Papajová, PhD.	100	1.00
13.	Ing. Marek Renčo, PhD.	100	1.00
14.	prof. HDR. MSc. Volodimir Sarabeev, PhD.	100	1.00
15.	RNDr. Viliam Šnábel, CSc.	100	1.00
16.	MVDr. Jindřich Šoltys, CSc.	50	0.66
17.	RNDr. Bronislava Víchová, PhD.	100	1.00
18.	MVDr. Dana Zubriková, PhD.	100	1.00
Vedeckí pracovníci			
1.	MVDr. Ludmila Burcáková, PhD.	100	1.00
2.	RNDr. Zuzana Fečová, PhD.	100	1.00
3.	RNDr. Júlia Halapy, PhD.	100	1.00

4.	RNDr. Lukáš Ihnacik, PhD.	100	0.33
5.	Mgr. Ľudmila Juhášová, PhD.	100	1.00
6.	RNDr. Michaela Komáromyová, PhD.	100	1.00
7.	Ing. Petronela Michal Komorová, PhD.	100	1.00
8.	MVDr. Miroslava Petrová, PhD.	100	1.00
9.	Mgr. Alžbeta Radačovská, PhD.	100	1.00
10.	MSc. Yaroslav Syrota, PhD.	100	1.00
11.	MVDr. Júlia Šmigová, PhD.	100	1.00
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Ing. Slavka Barňáková	100	1.00
2.	Mgr. Viktória Dandárová	100	1.00
3.	MVDr. Marcela Maloveská, PhD.	100	1.00
4.	MVDr. Renáta Mariščáková	100	1.00
5.	Mgr. Helena Novická	100	1.00
6.	RNDr. Patrícia Schmer Jakšová, PhD.	100	1.00
7.	MVDr. Lucia Vargová, PhD.	100	1.00
8.	MVDr. Zuzana Vasilková	100	1.00
Odborní pracovníci ÚSV			
1.	Iveta Bíleková	100	1.00
2.	Viera Kurimaiová	100	1.00
3.	Mária Molnárová	100	1.00
4.	Silvia Spišáková	100	1.00
Ostatní pracovníci			
1.	Jaroslav Bačo	100	1.00
2.	Ľubomír Veis	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedeckí pracovníci			
1.	Mgr. Veronika Blažeková, PhD.	31.8.2025	0.67

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hrazení z prostředkov SAV			
1.	Mgr. Michal Čížmár	Univerzita Komenského v Bratislave	1536 biológia
2.	Mgr. Lucia Dinisová	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
3.	Mgr. Romana Gašparovičová	Univerzita Komenského v Bratislave	1536 biológia
4.	MVDr. Michaela Hajdu	Univerzita Komenského v Bratislave	1536 biológia
5.	MVDr. Dominik Kaňuk	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
6.	Mgr. Kristína Kováčová	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
7.	MVDr. Soňa Salonová	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
8.	Mgr. Klaudia Mária Švirlochová	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
Interní doktorandi hrazení z iných zdrojov			
1.	MSc. Araz Rashydov	Univerzita veterinárskeho lekárstva a farmácie v Košiciach	4318 veterinárske lekárstvo
Externí doktorandi			
<i>organizácia nemá externých doktorandov</i>			

Zoznam zamestnancov prijatých do jedného roka od získania PhD.

	Meno s titulmi	Dátum obhajoby	Dátum prijatia	Úväzok (v %)
1.	RNDr. Lukáš Ihnacik, PhD.	21.8.2025	22.8.2025	100

Zoznam emeritných vedeckých zamestnancov

	Meno s titulmi
1.	prof. MVDr. Pavol Dubinský, DrSc.
2.	RNDr. Vladimíra Hanzelová, DrSc.
3.	doc. MVDr. Branislav Peťko, DrSc.
4.	Ing. Katarína Reiterová, DrSc.
5.	RNDr. Marta Špakulová, DrSc.

Príloha A-2: Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medziakademická dohoda (MAD)

1.) Dedičstvo bobra: vplyvy na ekosystém v Taliansku a na Slovensku (*The beaver's legacy: A look at ecosystem impacts in Italy and Slovakia*)

Zodpovedný riešiteľ: Ingrid Papajová
Trvanie projektu: 1.1.2025 / 31.12.2026
Evidenčné číslo projektu: SAS-CNR 2025-2026
Organizácia je áno
koordinátorom projektu:
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 1 - Taliansko: 1
Čerpané financie: Medziakademická dohoda (MAD): 3 000 €

Dosiahnuté výsledky:

V priebehu prvého roka sa monitoroval výskyt bobra európskeho vo vybraných lokalitách v Taliansku a v mestskej aglomerácii na Slovensku. Získali sa vzorky trusu na diagnostiku vodou prenosných parazitov ako aj prvotné informácie o biotope (vzdialenosť znakov výskytu od vodnej hladiny, topografický index vlhkosti, využívanie pôdy, zloženie lesov, prítomnosť/neprítomnosť hlavných predátorov). Stanovili sa aj modelové lokality, v ktorých sa bude testovať skutočný vplyv výskytu bobrov na štruktúru lesov a biodiverzitu. Vypracoval sa dotazník, ktorý sa využije na špecializovaný prieskum o spoločenskej akceptácii bobra s cieľom zistiť, či by lokálne zvýšenie hustoty bobra viedlo k zmene spoločenského vnímania tohto druhu.

Programy: Medzivládna dohoda

2.) One Health koncept a ľudské parazitózy viazané na vodné prostredie v strednej Európe: monitorovanie pomocou sekvenovania novej generácie (*One Health concept & water-borne parasitic diseases in Central Europe: next-generation monitoring*)

Zodpovedný riešiteľ: Mikuláš Oros
Trvanie projektu: 1.7.2022 / 30.6.2025
Evidenčné číslo projektu: SK-CZ-RD-21-0078
Organizácia je áno
koordinátorom projektu:
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 1 - Česko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 20 000 €

Dosiahnuté výsledky:

Vzhľadom na absenciu komplexných epizootologických a epidemiologických štúdií boli vyšetrené ulitníky a ryby s cieľom identifikovať prvých a druhých medzihostiteľov zoonotického druhu *Metagonimus romanicus* z rieky Dunaj. Ulitník *Microcolpia daudebartii acicularis* bol jediným mäkkýšom u ktorého bola zistená infekcia týmto druhom. Celkovo bolo zozbieraných 593 jedincov *M. daudebartii acicularis* z troch lokalít na južnom Slovensku, z ktorých 7,6 % (n = 45) bolo infikovaných parazitom *M. romanicus*. V Dunaji na území Slovenska, Rakúska a Maďarska bolo odlovených a

vyšetrených celkovo 120 jedincov rýb patriacich do 25 druhov zo siedmich čeľadí. Z týchto druhov bolo iba 12 na Slovensku a v Maďarsku (48 % všetkých skúmaných druhov) infikovaných metacerkáriami *M. romanicus*. Metacerkárie *M. romanicus* boli lokalizované výhradne v šupinách (na ich spodnej strane) po celom tele infikovaných rýb. V Európe, kde sa tradične surové ryby nekonzumujú, a pravdepodobne aj vzhľadom na výlučné umiestnenie metacerkárií v šupinách a nie vo svalovine, zatiaľ u ľudí neboli zaznamenané infekcie spôsobené *M. romanicus*.

OROS, Mikuláš – SOLDÁNOVÁ, Miroslava – BARČÁK, Daniel – KUNDID, Petra – KIBET, Caroline Jepkorir – KUČHTA, Roman – OROSOVÁ, Martina – SCHOLZ, Tomáš. The life cycle of the potentially zoonotic trematode *Metagonimus romanicus* (Digenea: Heterophyidae): New insights from published and original data. In Food and Waterborne Parasitology, 2025 vol. 40, e00276 (2024: 3.1 - IF, Q1 - JCR, 0.936 - SJR, Q1 - SJR). ISSN: 2405-6766. Typ: ADMA

3.) Úloha voľne žijúcich zvierat v cirkulácii vektormi-prenášaných pôvodcov nákaz a možnosti biologickej kontroly *Ixodes ricinus* (*The role of wild animals in circulation of vector-borne pathogens and options for bio-control of Ixodes ricinus ticks*)

Zodpovedný riešiteľ:	Bronislava Víchová
Trvanie projektu:	1.4.2024 / 31.12.2025
Evidenčné číslo projektu:	SK-SRB-23-0046
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	1 - Srbsko: 1
Čerpané financie:	Medzivládna dohoda: 2 350 €

Dosiahnuté výsledky:

Bola uskutočnená rozsiahla štúdia zameraná na monitorovanie výskytu hemotropných mykoplazmiem a piroplazmíd *Babesia/Theileria* u prežúvavcov na Slovensku. Vyšetrením vzoriek krvi boli mykoplazmy (*Mycoplasma wenyonii*, "Candidatus *M. haematobovis*" a *Mycoplasma ovis-like*) detegované u hovädzieho dobytku (53,3 %), oviec (60,0 %) aj kôz (4,2 %). Pyroplazmidy boli potvrdené u kôz (1,8 %) a jeleňov (65,1 %), pričom bol identifikovaný druh *Theileria capreoli*. Zároveň boli analyzované vzorky krvi a orgánov jelenej zveri zo Srbska, v ktorých bola zistená prítomnosť *T. capreoli*, *A. phagocytophilum* a *Mycoplasma* spp. V roku 2025 sa uskutočnili aj recipročné návštevy partnerských inštitúcií.

ZUBRIKOVÁ, Dana - VARGOVÁ, Lucia - HALAPY, Júlia - LUKÁČ, Branislav - BLAŽEKOVÁ, Veronika - ŠVIRLOCHOVÁ, Klaudia Mária - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - ČURLÍK, Ján - HEGLASOVÁ, Ivana - VÍCHOVÁ, Bronislava. Prevalence of haemotropic mycoplasmas and blood piroplasmids in domestic and wild ruminants in Slovakia, Central Europe. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100270. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

Programy: COST

4.) Jednotné nové lieky proti parazitickým ochoreniam prenášaných vektormi v Európe a iných územiach (*One Health drugs against parasitic vector borne diseases in Europe and beyond*)

Zodpovedný riešiteľ:	Gabriela Hrčková
Trvanie projektu:	24.10.2022 / 24.10.2026
Evidenčné číslo projektu:	CA21111
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Drug Discovery and Biotechnology Lab Department of Life Science

Počet spoluriešiteľských inštitúcií:	University of Modena 25 - Rakúsko: 1, Belgicko: 4, Česko: 1, Nemecko: 1, Španielsko: 1, Estónsko: 1, Francúzsko: 1, Veľká Británia: 1, Grécko: 1, Maďarsko: 1, Švajčiarsko: 1, Taliansko: 1, Malta: 1, Poľsko: 1, Portugalsko: 4, Slovensko: 1, Slovinsko: 1, Švédsko: 1, Turecko: 1
Čerpané financie:	- Podpora medzinárodnej spolupráce z národných zdrojov: 1 500 €

Dosiahnuté výsledky:

Sylimarin predstavuje zmes flavonolignanov a flavonoidov s významným terapeutickým potenciálom, pričom koncentračno závislé účinky jednotlivých zložiek na biologické systémy sú málo preskúmané. V ex vivo podmienkach na izolovaných bunkách sleziny zo zdravých myší sa študovali cytoprotektívne, anti-apoptické a antioxidačné účinky flavonolignanov: silybín (SB) silychristín (SCH) a dehydrosilybín (DHSB). Látky preukázali koncentračne závislú aktivitu pri obnove redoxnej rovnováhy na základe zmien v koncentrácii reaktívnych foriem kyslíka (ROS), peroxidu vodíka (H₂O₂) a oxidu dusnatého v poradí DHSB > SCH > SB, čo korelovalo s potlačenou expresiou transkripčného faktora Nrf2, antioxidačných enzýmov katalázy a glutatiónpoxidázy. Silná stimulácia génu superoxiddismutázy 1, ktorý konvertuje ROS na H₂O₂, poukazuje na jej dominantnú úlohu pri udržiavaní redoxnej homeostázy v bunkách sleziny, ktorá bola narušená oxidačným stresom v dôsledku nefyziologických kultivačných podmienok.

JURČACKOVÁ, Zuzana - HRČKOVÁ, Gabriela - MUDROŇOVÁ, Dagmar - ALEXOVIČ MATIAŠOVÁ, A. - BIEDERMANN, David. Flavonolignans silybin, silychristin and 2,3-dehydrosilybin showed differential cytoprotective, antioxidant and anti-apoptotic effects on splenocytes from Balb/c mice. In Scientific Reports, 2025, vol. 15, art. no. 5631. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

5.) Vplyv anthelmintík na životné prostredie v chovoch hospodárskych zvierat a alternatív minimalizácie ich používania (ENVIRANT) (*Environmental impact of anthelmintics in livestock and alternatives to minimize their use (ENVIRANT)*)

Zodpovedný riešiteľ:	Marián Várady
Trvanie projektu:	10.10.2024 / 9.10.2028
Evidenčné číslo projektu:	CA23154
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Agencia Estatal Consejo Superior de Investigaciones Cientificas, Madrid Spain
Počet spoluriešiteľských inštitúcií:	32 - Albánsko: 1, Rakúsko: 1, Belgicko: 1, Bulharsko: 1, Bosna a Hercegovina: 1, Česko: 1, Nemecko: 1, Dánsko: 1, Španielsko: 1, Estónsko: 1, Francúzsko: 1, Gruzínsko: 1, Grécko: 1, Chorvátsko: 1, Švajčiarsko: 1, Írsko: 1, Izrael: 1, Taliansko: 1, Jordánsko: 1, Litva: 1, Lotyšsko: 1, Severné Macedónsko: 1, Čierna Hora: 1, Holandsko: 1, Nórsko: 1, Poľsko: 1, Portugalsko: 1, Rumunsko: 1, Srbsko: 1, Slovinsko: 1, Švédsko: 1, Turecko: 1
Čerpané financie:	- Podpora medzinárodnej spolupráce z národných zdrojov: 1 875 €

Dosiahnuté výsledky:

Vo februári sa na Veterinárnej Univerzite vo Viedni uskutočnilo prvé stretnutie pracovných skupín a členov výkonného výboru konzorcia. Stretnutie preukázalo významný pokrok vo všetkých šiestich pracovných skupinách, ktoré v súčasnosti systematicky rozvíjajú výskum udržateľných alternatív k používaniu antihelmintík, ako aj hodnotenie ich environmentálnych dopadov. V rámci pracovnej skupiny 3 (Green farms: redesigning helminth control with more sustainable solutions) sme účastníkov informovali o najnovších výsledkoch týkajúcich sa alternatívnej liečby parazitárnych infekcií u oviec.

Programy: International Visegrad Fund (IVF)

6.) Parazitologické aspekty introdukovaných hostiteľov vo vodných ekosystémoch (*Parasitological aspects of introduced hosts in water ecosystems*)

Zodpovedný riešiteľ: Volodimir Sarabeev
Trvanie projektu: 1.10.2025 / 31.7.2026
Evidenčné číslo projektu: Visegrad Scholarship 52510298
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: International Visegrad Fund: 4 000 €

Dosiahnuté výsledky:

Projekt zahájený v októbri 2025 sa prioritne zaoberá výskumom nového parazitického druhu *Maritrema dikerogammari* (trieda Trematoda), ktorý bol zaznamenaný u invázneho kôrovca *Dikerogammarus villosus* (rad Amphipoda) v Európe. Fylogenetická analýza potvrdzuje, že ide o etablovanú sladkovodnú líniu, ktorá spolu so svojím hostiteľom úspešne rozšírila areál výskytu z povodia Dnepra do povodia Dunaja, čo predstavuje jasný príklad „skrytej koinvázie“. Tieto zistenia zdôrazňujú kľúčovú úlohu invázných koridorov pri nenápadnom prenose pôvodných parazitov do nových regiónov. Výsledky boli spracované do formy rukopisu, ktorý bol zaslaný do časopisu Integrative Zoology.

Programy: Iné

7.) Národné Centrum Biotechnológií vo Veterinárnej Medicíne (*National Centre for Biotechnology in Veterinary Medicine*)

Zodpovedný riešiteľ: Marián Várady
Trvanie projektu: 1.1.2023 / 31.12.2028
Evidenčné číslo projektu: TN02000017
Organizácia je koordinátorom projektu: nie
Koordinátor: Výzkumný ústav veterinárneho lékařství, v.v.i.
Počet spoluriešiteľských inštitúcií: 22 - Česko: 20, Slovensko: 2
Čerpané financie: Technologická agentúra ČR: 13301 €
Podpora medzinárodnej spolupráce z národných zdrojov: 4 603 €

Dosiahnuté výsledky:

V rámci tretej etapy projektu sme spolupracovali na vykonaní dvoch preklinických štúdií, ktoré sa vykonali v priestoroch firmy Pharmagal Nitra. Infikovali sme 54 kusov oviec citlivým kmeňom parazita *Haemonchus contortus*. Na zvieratách bol testovaný terapeutický prípravok moxidektín za použitia novo vyvinutého transportného systému (transdermálnou aplikáciou) vo forme pour-on s cieľom overiť vyššie dávkovanie liečiva a monitoring jeho kinetiky až 120 dní po aplikácii. V roku 2025 bola úspešne dokončená a zverejnená funkčná vzorka (Gfunk) – mikroemulzný transportný systém antihelmintík pre transdermálne podávanie ovciam. Funkčná vzorka je evidovaná v databáze aplikovaných výsledkov VÚVeL, Brno, Česká republika a ide o výsledok týkajúci sa vývoja formulácie eprinomektínu v rokoch 2023 – 2024.

Programy: JRP

8.) Drobné cicavce a parazity: Novo sa objavujúce zoonózne a kliešťami prenášané patogény v ére globálnych zmien (*Small Mammals and Parasites: Emerging zoonotic and tick-borne pathogens in the era of global changes*)

Zodpovedný riešiteľ:	Dušan Žitňan
Zodpovedný riešiteľ v organizácii SAV:	Daniela Antolová
Trvanie projektu:	1.5.2025 / 30.4.2028
Evidenčné číslo projektu:	TUBITAK-2024-01
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-
	Podpora medzinárodnej spolupráce z národných zdrojov: 8 334 €

Dosiahnuté výsledky:

V prvom polroku riešenia projektu bol realizovaný prieskum výskytu *Trichinella* spp. a *Toxocara* spp. u drobných zemných cicavcov odchytených v rámci projektu. Zo 670 vyšetrených jedincov boli larvy *Trichinella* spp. detegované u štyroch zvierat, menovite u *Apodemus agrarius* (n = 1), *A. flavicollis* (n = 2) a *Clethrionomys glareolus* (n = 1). Pilotný prieskum výskytu *Toxocara* spp. potvrdil výskyt *T. cati* u jedného krta obyčajného (*Talpa europea*). Zároveň bol realizovaný retrospektívny prieskum literatúry zameraný na výskyt pásomníc rodu *Hymenolepis* u drobných zemných cicavcov na Slovensku. Kým *H. nana* doteraz nebola o voľne žijúcich hlodavcov zaznamenaná, výskyt *H. diminuta* bol spomínaný v 13 publikáciách, pričom bola zistená u viacerých druhov hlodavcov, menovite *Apodemus agrarius*, *A. flavicollis*, *A. sylvaticus*, *A. uralensis*, *Eliomys quercinus*, *Glis glis*, *Microtus agrestis*, *M. arvalis*, *M. oeconomus*, *M. subterraneus*, *M. tatricus*, *Mus musculus*, *M. spicilegus*, *Myodes glareolus*, *Rattus norvegicus* a *Spermophilus citellus*.

Programy: Mobility

9.) Vektormi prenášané patogény koní v Poľsku a na Slovensku (*Tick-borne pathogens of horses in Poland and Slovakia*)

Zodpovedný riešiteľ:	Bronislava Víchová
Trvanie projektu:	1.1.2025 / 31.12.2026
Evidenčné číslo projektu:	PAS-SAS-2024-18
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	1 - Poľsko: 1
Čerpané financie:	-
	Mobility SAV: 1 500 €

Dosiahnuté výsledky:

Bola hodnotená pravdepodobnosť transovariálneho prenosu kliešťami prenášaných rickettsií u dospelých samíc kliešťa *Dermacentor reticulatus* odobratých z koní v prírodnej rezervácii Jazero siedmich ostrovov v Poľsku. Samice boli v laboratóriu udržiavané až do kladenia vajíčok a jednotlivé kliešte (n = 33) aj ich vajíčka boli molekulárne testované na prítomnosť *Rickettsia* spp. a *Anaplasma* spp. Zároveň boli analyzované krvné vzorky koní (n = 20). Patogény z rodu *Rickettsia* boli detegované u všetkých samíc kliešťov aj v ich vajíčkach, čo poukazuje na možný vertikálny prenos. Pozitivita u koní

dosiahla 35 % (7/20). *Anaplasma* spp. nebola zistená v žiadnej zo skúmaných vzoriek. Nálezy zdôrazňujú význam vertikálneho prenosu pri udržiavaní *Rickettsia* spp. v ich prírodných ohniskách.

Programy: Seal of Excellence

10.) Hodnotenie diverzity parazitov a vzťahov medzi hostiteľom a parazitom u kôrovcov s cieľom kontrolovať bioinváziu a zabezpečiť ochranu životného prostredia a verejného zdravia (*Assessing parasite diversity and host-parasite relationships in crustacean hosts to control bioinvasion and ensure environmental and public health*)

Zodpovedný riešiteľ:	Volodimir Sarabeev
Trvanie projektu:	1.9.2025 / 31.8.2028
Evidenčné číslo projektu:	SoE/2025/61/MSCA4Uk
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	Seal of Excellence: 8 000 €

Dosiahnuté výsledky:

Projekt, ktorý sa začal v septembri 2025, sa zameriava na diverzitu parazitov asociovaných s inváznymi a pôvodnými kôrovcami. Hlavným objektom výskumu bol ponto-kaspický kôrovec *Dikerogammarus villosus* (rad Amphipoda), jeden z najvýznamnejších invázných druhov vo vnútrozemských vodách Európy. Vzhľadom na obmedzené poznatky o jeho helmintofaune a potenciáli prenosu parazitov, bol realizovaný terénny výskum v štyroch európskych regiónoch, pričom druh *D. villosus* bol zaznamenaný na 10 odberových lokalitách. Pomocou integratívneho taxonomického prístupu, ktorý kombinoval detailnú morfológickú charakterizáciu s viac-lokusovými fylogenetickými analýzami, boli v povodí Dunaja identifikované dva koinvázne druhy helmintov, z ktorých jeden predstavuje nový druh pre vedu. Získané výsledky boli použité na prípravu rukopisu; ich publikovanie sa očakáva v nasledujúcich mesiacoch.

Domáce projekty

Programy: VEGA

1.) Epidemiológia, genetická variabilita a zdravotné riziká zoonózných parazitov *Toxoplasma gondii* a *Toxocara* spp. v urbánnych a rurálnych ekosystémoch Slovenska (*Epidemiology, genetic variability and health risk of zoonotic parasites *Toxoplasma gondii* and *Toxocara* spp. in urban and rural ecosystems of Slovakia*)

Zodpovedný riešiteľ: Daniela Antolová
Trvanie projektu: 1.1.2024 / 31.12.2027
Evidenčné číslo projektu: VEGA 2/0024/24
Organizácia je áno
koordinátorom projektu:
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 11 591 €

Dosiahnuté výsledky:

Mačky, populárni domáci miláčikovia, môžu byť hostiteľmi rôznych parazitov so zoonóznym charakterom, vrátane *Toxoplasma gondii* a *Toxocara cati*. Cieľom štúdie bolo zistiť výskyt črevných parazitov u mačiek s majiteľom a u mačiek z útulkov, ako aj u mačkovitých šeliem chovaných v troch ZOO na Slovensku. Z celkovo 2261 vyšetrených mačiek bola koprologickými a molekulárnymi metódami zistená 13,6 % priemerná prevalencia *T. cati*. V rámci prieskumu zároveň išlo o najčastejšie sa vyskytujúceho parazita a túlavé mačky boli pozitívne častejšie (16,4 %) ako mačky s majiteľom (13,3 %). Oocysty *T. gondii* boli potvrdené u 0,4 % mačiek, pričom nebol zaznamenaný rozdiel medzi túlavými mačkami (0,4 %) a zvieratami s majiteľom (0,4 %). Vyšetrených bolo aj 80 rôznych mačkovitých šeliem, pričom u 8,8 % z nich bola detegovaná *T. cati* a u 23,8 % *Toxascaris leonina*. Výsledky potvrdili výskyt oboch druhov pôvodcov zoonózných ochorení u domácich aj túlavých mačiek, ako aj u mačkovitých šeliem v ZOO, čo potvrdzuje potrebu prevencie týchto parazitóz s cieľom ochrany zdravia ľudí aj zvierat.

ANTOLOVÁ, Daniela - VALENTOVÁ, Daniela - STRIŠKOVÁ, Katarína - KAŇUK, Dominik. Prevalence of intestinal parasites in owned and shelter cats in Slovakia and felines from Slovak Zoos: A three-year survey with special focus on *Toxoplasma gondii*. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100294. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

2.) Ivermektín - antiparazitárna terapia u malých prežúvavcov, rezistencia a reziduá v potravinách. (*Ivermectin - antiparasitic therapy in small ruminants, resistance and residues in food*)

Zodpovedný riešiteľ: Michal Babják
Trvanie projektu: 1.1.2022 / 31.12.2025
Evidenčné číslo projektu: VEGA 2/0090/22
Organizácia je áno
koordinátorom projektu:
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 14 489 €

Dosiahnuté výsledky:

Účinnosť antihelmintických liečiv je možné zvýšiť úpravou spôsobu ich dávkovania, čím sa môže teoreticky zlepšiť biologická dostupnosť liečiva v organizme, a tým aj jeho terapeutická účinnosť. Štúdia

bola realizovaná na kozej farme s klinickými príznakmi haemonchózy a s podozrením na zníženú účinnosť benzimidazolových antihelmintík. Zvieratám boli aplikované rôzne režimy úpravy kŕmnej dávky: hladovanie počas 24 hodín pred aplikáciou liečiva, hladovanie počas 24 hodín po aplikácii antihelmintika alebo liečba bez obmedzenia príjmu krmiva. Najvyššia účinnosť liečby bola zaznamenaná v skupine zvierat, ktoré hladovali 24 hodín po aplikácii liečiva, pričom redukcia parazitárnej záťaže sa zvýšila až o 21 %. Naše výsledky poukazujú na to, že hladovanie a zvyšovanie efektívnej dávky liečiva možno aj naďalej považovať za účinné nástroje na moduláciu účinnosti liečiv *in vivo*.

BABJÁK, Michal - KÖNIGOVÁ, Alžbeta - KUZMINA, Tetiana - VÁRADY, Marián. In vivo efficacy of macrocyclic lactones on goat farms – pour-on vs injectable application. In Journal of veterinary research, 2025, vol. 69, p. 293-298. (2024: 1.5 - IF, Q2 - JCR, 0.472 - SJR, Q2 - SJR). ISSN 2450-7393. Typ: ADMA

3.) Budúcnosť parazitologických prieskumov – neinvazívna detekcia infekčných štádií patogénnych helmintov vo vodných ekosystémoch (*The future of parasitological surveys – non invasive detection of infective stages of pathogenic helminths in aquatic ecosystems*)

Zodpovedný riešiteľ:	Daniel Barčák
Trvanie projektu:	1.1.2024 / 31.12.2027
Evidenčné číslo projektu:	2/0130/24
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 8 693 €

Dosiahnuté výsledky:

Rozšírenie vtáčích schistozóm, motolíc spôsobujúcich cercáriovú dermatitídu ľudí, bolo skúmané kombináciou štandardných parazitologických a moderných molekulárno-genetických metód. Výskum bol realizovaný na 46 lokalitách na Slovensku a v Českej republike a identifikovaných bolo 5 druhov vtáčích schistozóm, 2 genetické línie determinované na úroveň rodu a 25 doposiaľ neznámych genetických línií, ktoré pravdepodobne predstavujú nové, doposiaľ neopísané druhy. Najvyššiu senzitivitu preukázala metóda eDNA metabarkódingu, ako najvhodnejší skriningový prístup sa však javí kombinácia eDNA metabarkódingu s parazitologickým vyšetrením medzihostiteľov. V rámci medzinárodnej spolupráce boli študované črevné parazity sladkovodných rýb z Thajska. Najvýznamnejším výsledkom je opis pre vedu nového druhu *Acanthogyrus (Acanthosentis) barbonymi* z rýb druhu *Barbonymus schwanenfeldii*. Významnými zisteniami sú aj prvé genetické dáta pre druh *Pallisentis reus* a prvý zaznamenaný výskyt háčikohlavca rodu *Raosentis* mimo indického poloostrova.

OROS, Mikuláš - SOLDÁNOVÁ, Miroslava - BARČÁK, Daniel - KUNDID, Petra - KIBET, C.J. - KUČHTA, Roman - OROSOVÁ, Martina - SCHOLZ, Tomáš. The life cycle of the potentially zoonotic trematode *Metagonimus romanicus* (Digenea: Heterophyidae): New insights from published and original data. In Food and Waterborne Parasitology, 2025, vol. 40, art. no. e00276. Typ: ADMA

LISITSYNA, Olga - OROS, Mikuláš - RIBAS, Alexis Salvador - POONLAPHDECHA, Srisupaph - BARČÁK, Daniel. Acanthocephalans from freshwater fishes in northeast Thailand with the description of a new species of the subgenus *Acanthosentis* Verma & Dutta, 1929 (*Acanthocephala*, *Quadrigyridae*). In Zookeys, 2025, issue 1233, p. 325-348. Typ: ADCA

4.) Hodnotenie miery antropogénnej záťaže vybraných oblastí východného Slovenska s využitím studenokrvných živočíchov a ich endohelminťov (*Assessment of the rate of anthropogenic load in some regions of eastern Slovakia using poikilothermic animals and their endohelminths*)

Zodpovedný riešiteľ: Tímea Brázová
Trvanie projektu: 1.1.2024 / 31.12.2027
Evidenčné číslo projektu: 2/0052/24
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 13 040 €

Dosiahnuté výsledky:

Výskum priniesol nové poznatky o úrovni kontaminácie vodnej nádrže Zemplínska Šírava, kde sa v rybách zisťovali koncentrácie ortuti (Hg), chrómu (Cr) a kadmia (Cd). Hg sa hromadila najviac vo svaloch dravých rýb, zatiaľ čo Cr a Cd boli prítomné prevažne v pečeni. Akumuláciu ovplyvňovali pohlavie, vek a parazity; konkrétne pásomnice *Caryophyllaeus laticeps* koncentrovali Cr vo vyšších množstvách ako ich hostitelia. Tieto zistenia poukazujú na dôležitú úlohu rýb a parazitov pri monitorovaní znečistenia vôd. V ďalšej štúdii bola analyzovaná genetická variabilita a distribúcia nematód rodu *Oswaldocruzia* v žabách v strednej Európe a na Balkáne. Identifikované boli dva druhy - *O. filiformis* a *O. ukrainae*, pričom každý z nich vykazoval odlišný rozsah hostiteľských asociácií. Výsledky poukazujú na kontrastné genetické rozdiely medzi týmito dvoma druhmi, ktoré vykazujú rôzne úrovne špecifickosti voči hostiteľovi.

BRÁZOVÁ, Tímea - SYROTA, Yaroslav - OROS, Mikuláš - UHROVIČ, Dalibor. Heavy Metal Accumulation in Freshwater Fish: The Role of Species, Age, Gender, and Parasites. In Bulletin of Environmental Contamination and Toxicology, 2025, vol. 114, art. no. 92. (2024: 2.2 - IF, Q3 - JCR, 0.753 - SJR, Q2 - SJR). ISSN 0007-4861. Typ: ADCA

GULYÁS, Kristián - BALOGOVÁ, Monika - PIPOVÁ, Natália - PAPEŽÍK, Petr - UHROVIČ, Dalibor - MIKULÍČEK, Peter - BRÁZOVÁ, Tímea - BENOVIČ, Michal. Insights into the genetic diversity and species distribution of *Oswaldocruzia* nematodes (Trichostrongylida: Molineidae) in Europe: apparent absence of geographic and population structuring in amphibians. In Parasite: Journal de la Societe Francaise de Parasitologie, 2025, vol. 32, art. no. 27. (2024: 2.4 - IF, Q2 - JCR, 0.65 - SJR, Q1 - SJR). ISSN 1252-607X. Dostupné na: <https://doi.org/10.1051/parasite/2025020>. Typ: ADCA

5.) Úloha kuklorodiek pri prenose a cirkulácii veterinárne významných mikroorganizmov so zoonóznym potenciálom. (*The role of hippoboscids flies in transmission cycles of microbes with veterinary importance and zoonotic potential.*)

Zodpovedný riešiteľ: Eva Čisovská Bazsalovicsová
Trvanie projektu: 1.1.2025 / 31.12.2028
Evidenčné číslo projektu: 2/0033/25
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 14 294 €

Dosiahnuté výsledky:

Kuklorodky patriace do rodu *Lipoptena* (Hippoboscidae) sú obligátne ektoparazity jelenej, daniely a

srnčej zveri rozšírené v strednej a východnej Európe. Na území Slovenska boli doteraz potvrdené dva druhy, pôvodná kuklorodka jelenia *Lipoptena cervi* a invázny druh *Lipoptena fortisetosa*. V prvom roku riešenia projektu bolo analyzovaných 83 jedincov *Lipoptena* spp. získaných z jeleňa lesného (*Cervus elaphus*) a daniela škvrnitého (*Dama dama*), ako aj 43 vzoriek pečene jeleňa lesného zo severného a východného Slovenska, so zameraním na detekciu filáriovej DNA. Molekulárnymi analýzami bola potvrdená prítomnosť DNA *Setaria cervi* (Filarioidea: Onchocercidae) v dvoch jedincoch *L. cervi* z jeleňa lesného (prevalencia 2,5%) a tiež v jednej vzorke pečene (2,3 %). Tento nález predstavuje prvý molekulárny dôkaz výskytu *S. cervi* v kuklorodkách a naznačuje, že *L. cervi* môže byť náhodný hositeľ tohto filariového nematóda, alebo potenciálne jeho mechanický prenášač.

ŠVIRLOCHOVÁ, Klaudia Mária - ZUBRIKOVÁ, Dana - BLAŽEKOVÁ, Veronika - VARGOVÁ, Lucia - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - ČURLÍK, Ján - HEGLASOVÁ, Ivana - VÍCHOVÁ, Bronislava. Exploring the vector potential of *Lipoptena cervi* (Diptera: Hippoboscidae): first record of *Setaria cervi* (Filarioidea: Onchocercidae) DNA in deer keds. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100331. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

6.) Terapeutický potenciál bakteriocínov pri črevných a mimočrevných parazitozoonózach a mechanizmy ich prospešných účinkov (*Therapeutic potential of bacteriocins in intestinal and extraintestinal parasitozoonoses and mechanisms of their beneficial effects*)

Zodpovedný riešiteľ: Emília Dvorožňáková
Trvanie projektu: 1.1.2023 / 31.12.2026
Evidenčné číslo projektu: VEGA 2/0077/23
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 19 560 €

Dosiahnuté výsledky:

T bunky zostávajú kľúčovým hráčom v imunitnej odpovedi pri trichinelóze a bakteriocíny modifikovali špecifickú imunitu cez proliferáciu lymfocytov, produkciu protilátok a Th1/Th2 rovnováhu. Zaznamenali sme stimulačný účinok enterocínov na proliferáciu T a B lymfocytov v črevnej fáze trichinelózy. Kmeň *E. faecium* CCM8558 aktivoval delenie T buniek aj počas svalovej fázy a dosiahol aj najvyšší antilaválny účinok na svalové larvy. Produkcia špecifických IgG protilátok pri terapii enterokokmi/enterocínmi bola porovnateľná s neliečenou infikovanou skupinou myší, s výnimkou produkcie IgG2 protilátok, čím biologická terapia ovplyvnila moduláciu Th1 odpovede hostiteľa pri trichinelóze. V celkovej cytokínovej produkcii *E. faecium* CCM8558 a Enterocín M v akútnej fáze infekcie stimulovali IFN- γ , čím podporili rozvoj zápalu, ktorý bráni parazitovi usídlieť sa v epiteli čreva a produkovať novonarodené larvy. *E. durans* ED26E/7 a Durancín-like zase vo svalovej fáze trichinelózy redukovali Th2 odpoveď (IL-10 a IL-4), prospešnú pre svalové larvy.

7.) Hydina bez klietok, hydina bez parazitov – epidemiologické východiská, diagnostické výzvy a perspektívy manažmentu výskytu endoparazitov v rôznych systémoch chovu hydiny. (*Cage-free, parasite-free poultry - epidemiological background, diagnostic challenges and perspectives for the management of endoparasites in different systems of poultry farming.*)

Zodpovedný riešiteľ: Zuzana Hurníková
Trvanie projektu: 1.1.2025 / 31.12.2028
Evidenčné číslo projektu: 2/0058/25
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.

Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 11 591 €

Dosiahnuté výsledky:

V prvom roku riešenia projektu bol zahájený zber biologického materiálu z rôznych systémov chovu hydiny. Koprologickými analýzami bolo vyšetrených 55 vzoriek trusu hydiny zo 43 malých a stredných fariem na území Slovenska. Prvotné analýzy potvrdili jednu z východiskových hypotéz projektu, že najzávažnejší parazitárny problém v chovoch predstavujú eimeriózy, ktorých pôvodcovia boli detegovaní v 78 % vzoriek. Na metodologickej úrovni boli vykonané pilotné porovnania vplyvu rôznych flotačných roztokov na koncentráciu a kvalitu extrahovanej DNA z oocýst eimerií a boli vytypované najvhodnejšie primery na ich druhovú diferenciáciu molekulárnymi metódami.

8.) Vplyv environmentálnej záťaže na funkčnú morfológiu a chromozómy rybích parazitov (*Effect of environmental pollution on the functional morphology and chromosome of fish parasites*)

Zodpovedný riešiteľ: Martina Orosová
Trvanie projektu: 1.1.2023 / 31.12.2026
Evidenčné číslo projektu: VEGA 2/0093/23
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 8 693 €

Dosiahnuté výsledky:

V roku 2025 pokračovala detailná cytogenetická analýza druhov rodu *Acanthocephalus*. S cieľom identifikovať druhovo a chromozóm špecifické satelity, ktoré by mohli slúžiť ako cytogenetické markery, sme uskutočnili prvú analýzu satelitnej DNA (satDNA) v tejto skupine. RepeatExplorer2 odhalil vysoký počet druhovo špecifických repetícií s prevahou satDNA, a taktiež variácie v repetitívnom obsahu medzi pohlaviami. Päť satelitov u *A. anguillae*, dva u *A. lucii* a šesť u *A. ranae* bolo úspešne mapovaných na chromozómy pomocou FISH. Každý satelit vykazoval jasný signál na špecifických chromozómových miestach, čo nám umožnilo vytvoriť schematické znázornenie distribúcie satelitov pre každý druh. Tieto novo identifikované satelity sú užitočné chromozómové markery pre presnú identifikáciu homológnych párov chromozómov. Na nadpočetných B chromozómoch *A. anguillae* a *A. lucii* FISH-pozitívne signály pozorované neboli, čo podporuje hypotézu, že tieto chromozómy majú nedávny pôvod.

MARKOVÁ, Anna - OROSOVÁ, Martina - MORA, Pablo - BENOVICES, Michal - LORITE, Pedro. The first insight into *Acanthocephalus* (Palaeacanthocephala) satellitome: species-specific satellites as potential cytogenetic markers. In Scientific Reports, 2025, vol. 15, no. 1, art. no. 2945. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

OROSOVÁ, Martina - MARKOVÁ, Anna. Karyological analysis of *Acanthocephalus ranae* (Echinorhynchida): expanding the cytogenetic knowledge in acanthocephalans. In Zookeys, 2025, issue 1243, p. 173-189. (2024: 1.3 - IF, Q2 - JCR, 0.583 - SJR, Q1 - SJR). ISSN 1313-2989. Typ: ADCA

9.) Analýza rizikových faktorov podieľajúcich sa na šírení endoparazitóz (*Analysis of risk factors contributing to the endoparasitoses spread*)

Zodpovedný riešiteľ: Ingrid Papajová
Trvanie projektu: 1.1.2025 / 1.1.2025
Evidenčné číslo projektu: VEGA 2/0069/25
Organizácia je áno

koordinátorom projektu:**Koordinátor:** Parazitologický ústav SAV, v. v. i.**Počet spoluriešiteľských** 0**inštitúcií:****Čerpané financie:** VEGA SAV: 6 955 €**Dosiahnuté výsledky:**

Sledovali sa závažné endoparazitárne ochorenia a ich prevalencia u obyvateľov vo vybraných lokalitách s prevahou marginalizovaných skupín obyvateľstva. U ľudí boli najčastejšie zaznamenané ochorenia spôsobené *Ascaris lumbricoides* a *Trichuris trichiura*, ktoré sa vyskytovali hlavne v minoritnej skupine obyvateľstva, u ľudí na vidieku a v detskej populácii. Taktiež sa sledoval výskyt endoparazitov u psov a parazitárna kontaminácia pôdy. Najviac pozitívnych vzoriek trusu psov a pôdy bolo zaznamenaných v segregovaných osadách. Korelačnou analýzou sa identifikovali rizikové faktory, ktoré ovplyvňujú výskyt a šírenie sa endoparazitov v sledovaných lokalitách. V týchto lokalitách sa stanovili i oblasti s vyšším rizikom nákazy črevnými parazitárnymi ochoreniami. Sledoval sa aj výskyt patogénov prenášaných vodou u bobra európskeho. Potvrdila sa prítomnosť *Enterocytozoon bieneusi*, *Encephalitozoon intestinalis* a *Cryptosporidium proliferans*, ktoré majú zoonotický potenciál. Zaznamenaný bol aj nový subtyp rodu *Blastocystis*. Ide o vôbec prvý nález tohto parazita u bobrov.

IHNACIK, Lukáš - ŠMIGOVÁ, Júlia - PAPAJOVÁ, Ingrid. Identification of risk factors and high-risk areas for transmission of intestinal parasites in model locality in Slovakia. In Scientific Reports, 2025, vol. 15, art. no. 25811. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). Typ: ADCA

IHNACIK, Lukáš - ŠMIGOVÁ, Júlia - ANTHONJ, Carmen - PAPAJOVÁ, Ingrid. Prevalence and Risk Mapping of Intestinal Parasites in the "Hungry Valleys" Region of Slovakia. In Pathogens, 2025, vol. 14, no. 10, art. no. 966. (2024: 3.3 - IF, Q2 - JCR, 0.949 - SJR, Q1 - SJR). ISSN 2076-0817. Typ: ADMA

IHNACIK, Lukáš - PAPAJOVÁ, Ingrid - ŠMIGOVÁ, Júlia - BRUSSEL, Mark - MANGA, Musa - PAPAJ, Ján - SCHUSTEROVÁ, Ingrid - ANTHONJ, Carmen. A Transect Through the Living Environments of Slovakia's Roma Population: Urban, Sub-Urban, and Rural Settlements, and Exposure to Environmental and Water-Related Health Risks. In International Journal of Environmental Research and Public Health, 2025, vol. 22, no. 7, art. no. 988. (2024: 0.919 - SJR, Q2 - SJR). Typ: ADMB

ŠMIGOVÁ, Júlia - ŠNÁBEL, Viliam - CAVALLERO, Serena - ŠMIGA, Ľubomír - PAPAJOVÁ, Ingrid - SAK, Bohumil - HOLUBOVÁ, Nikola - KVÁČ, M. Waterborne protozoan and microsporidian parasites in Eurasian beavers (*Castor fiber*). In International Journal for Parasitology-Parasites and Wildlife, 2025, vol. 26, art no. 101050. (2024: 2.2 - IF, Q2 - JCR, 0.618 - SJR, Q1 - SJR). ISSN 2213-2244. Typ: ADMA

10.) Diverzita pôdných nematód a aktivita mikroorganizmov karpatských lesov vo vzťahu ku klimatickej zmene (Diversity of soil nematodes and activity of microorganisms of Carpathian forests in relation to climate change)**Zodpovedný riešiteľ:** Marek Renčo**Trvanie projektu:** 1.1.2024 / 31.12.2027**Evidenčné číslo projektu:** 2/0007/24**Organizácia je** áno**koordinátorom projektu:****Koordinátor:** Parazitologický ústav SAV, v. v. i.**Počet spoluriešiteľských** 0**inštitúcií:****Čerpané financie:** Vega SAV: 4 673 €

Dosiahnuté výsledky:

V druhom roku riešenia projektu sme skúmali vplyv invázneho javorovca jaseňolistého (*Acer negundo* L.) na spoločenstvá pôdných nematód v lužných lesoch rieky Morava v porovnaní s pôvodnými druhmi drevín *Fraxinus excelsior* a *Alnus glutinosa*. Celkovo bolo identifikovaných 96 rodov nematód patriacich do 52 čeľadí, pričom dominovali čeľade Alaimidae, Cephalobidae, Hoplolaimidae a Rhabditidae. Medzi najpočetnejšie rody patrili *Helicotylenchus*, *Pratylenchus*, *Paratylenchus*, *Filenchus*, *Malenchus*, *Acrobeloides*, *Eucephalobus*, *Plectus*, a *Rhabditis*. Štruktúra spoločenstiev pôdných nematód v pôde pod rôznymi druhmi stromov sa výrazne nelíšila v abundancii, diverzite ani trofickej štruktúre, rovnako ako fyzikálno-chemické vlastnosti pôdy ($p < 0,05$). Redundančná analýza však potvrdila vplyv pôdnej vlhkosti na výskyt viacerých rodov. Výsledky naznačujú, že *Acer negundo* nemá negatívny vplyv na diverzitu a funkčnú štruktúru spoločenstiev pôdných nematód v skúmaných lužných ekosystémoch.

RENČO, Marek - ČEREVKOVÁ, Andrea - GÖMÖRYOVÁ, Erika. Floodplain Forest Soil Nematode Communities as Influenced by Non-Native *Acer negundo* L. Invasion. In Diversity-Basel, 2025, vol. 17, no. 6, art. no. 376. (2024: 2.1 - IF, Q2 - JCR, 0.593 - SJR, Q1 - SJR). ISSN 1424-2818. Typ: ADCA

11.) Molekulárne a fylogeografické štúdie pôvodcov vynárajúcich sa zoonóz - alveolárnej a cystickej echinokokózy (Molecular and phylogeographical studies of causative agents of emerging zoonoses - alveolar and cystic echinococcosis.)

Zodpovedný riešiteľ:	Viliam Šnábel
Trvanie projektu:	1.1.2022 / 31.12.2025
Evidenčné číslo projektu:	VEGA 2/0157/22
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 5 071 €

Dosiahnuté výsledky:

Európska populácia vlkov dravých sa v posledných desaťročiach značne rozšírila, pričom vysoko diferencovaný systém priestorového správania sa týchto mäsožravcov prispel k šíreniu pásomnice rodu *Echinococcus* so zoonóznym potenciálom v rámci Európy. V tejto štúdii sme skúmali vzorky vlčieho trusu na prítomnosť dospelých štádií druhového komplexu *E. granulosus* sensu lato z podstatnej časti areálu jeho rozšírenia na Slovensku. Vzorky boli odobraté z oblastí Národných parkov Poloniny a Muránska planina, Chránenej krajinej oblasti Poľana a z Veporských vrchov. Celkový výskyt cestód v 112 vzorkách trusu, odobratých v rokoch 2014 až 2017, bol 5,4 %. Vo všetkých šiestich pozitívnych vzorkách trusu bol pomocou sekvenčnej analýzy mitochondriálneho génu 12S rRNA identifikovaný druh *Echinococcus canadensis* (genotyp G7), hlavný pôvodca humánnej cystickej echinokokózy v strednej a východnej Európe. Päť pozitívnych vzoriek trusu pochádzalo z Veporských vrchov a jedna vzorka z Chránenej krajinej oblasti Poľana. Diviak lesný ako významná zložka potravy vlkov a silne selektovaný vlkami ako korisť v oblastiach stredného Slovenska s nálezmi parazita bol indikovaný ako pravdepodobný hlavný zdroj kontaminácie, udržiavajúci sylvatický prenos parazita v ekologických podmienkach tamojších lesov s príslušnými biotopmi.

HALAPY, Júlia - ŠNÁBEL, Viliam - ANTOLOVÁ, Daniela - CAVALLERO, Serena - GUIMAR?ES, Nuno - ĎUROVÁ, Jana - ŠTOFÍK, Jozef. *Echinococcus granulosus* sensu lato in grey wolves (*Canis lupus*) population in Slovakia – epidemiology and genetic analysis. In Scientific Reports, 2025, vol. 15, art no. 22590. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

12.) Vplyv prítomnosti parazitických osičiek *Ixodiphagus* spp. (Hymenoptera: Encyrtidae) na ekológiu vybraných kliešťami prenášaných patogénov a dynamiku infekčných ochorení (*The influence of the presence of parasitic wasps *Ixodiphagus* spp. (Hymenoptera: Encyrtidae) on the ecology of selected tick-borne pathogens and the dynamics of infectious diseases*)

Zodpovedný riešiteľ: Bronislava Víchová
Trvanie projektu: 1.1.2024 / 31.12.2027
Evidenčné číslo projektu: VEGA 2/0051/24
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 16 026 €

Dosiahnuté výsledky:

Počas celého roka 2025 prebiehali kontinuálne zbery všetkých sympatrických druhov a štádií kliešťov na lokalite Hrhov (Slovenský kras), s cieľom vyhodnotiť sezónnu dynamiku kliešťov a hyperparazitických osičiek. V kliešťoch z NP Slovenský Kras bola molekulárne potvrdená prítomnosť *Ixodiphagus hookeri* v štyroch druhoch kliešťov, prvýkrát aj v dvoch druhoch rodu *Dermacentor* na tejto lokalite. Kliešte *Ixodes ricinus* a *Haemophysalis concinna* vykazovali vysokú úroveň „hyper-parazitácie“. Vo všetkých kliešťoch potvrdenou prítomnosťou osičky bola detegovaná aj *Wolbachia* spp., ktorá sa však objavila aj v niektorých kliešťoch bez osičky. Až u 46,4 % kliešťov *I. ricinus* bola detegovaná prítomnosť aspoň jedného patogéna, najčastejšie *Borrelia* spp. Spektrum patogénov v kliešťoch infikovaných osičkou bolo užšie (*Bartonella*, *Borrelia*, *Rickettsia*), zatiaľ čo u kliešťov bez osičky bolo rozmanitejšie.

Programy: APVV

13.) Faktory ovplyvňujúce obmenu sietí parazit-hostiteľ - od lokálnych ku kontinentálnym metaspoločenstvám (*Factors driving a host-parasite network turnover - from local to continental metacommunities*)

Zodpovedný riešiteľ: Ivica Hromadová
Trvanie projektu: 1.7.2023 / 30.6.2027
Evidenčné číslo projektu: APVV-22-0440
Organizácia je koordinátorom projektu: nie
Koordinátor: Prešovská univerzita v Prešove
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 10 000 €

Dosiahnuté výsledky:

Vtáčia kuklorodka *Ornithoctona laticornis* (Hippoboscidae: Ornithominae) bola dlhodobo považovaná za striktné afrotropický taxón, zaznamenaný u viacerých palearktických migrantov z radu *Passeriformes*, ako aj u sedentárnych či prevažne rezidentných druhov vtákov z čeľadí *Coraciiformes*, *Anseriformes*, *Columbiformes*, *Trogoniformes* a *Piciformes*. Prvý potvrdený výskyt *O. laticornis* v Európe bol len nedávno publikovaný z Maďarska. Súčasná štúdia dokumentuje druhý, morfológicky aj molekulárne potvrdený nález tohto druhu na európskom kontinente. Parazit bol detegovaný u datľa sýrskeho (*Dendrocopos syriacus*) a datľa veľkého (*Dendrocopos major*) v Rumunsku. Opakovaný výskyt *O. laticornis* u rezidentných európskych vtákov naznačuje buď schopnosť tohto druhu úspešne prezimovať, alebo opätovné zavlečenie kuklorodky prostredníctvom migrujúcich hostiteľov. Kľúčové morfológické znaky pre identifikáciu *O. laticornis* boli zaradené do aktualizovaného taxonomického kľúča európskych rodov čeľade Hippoboscidae.

OBOŇA, Jozef - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - JUHÁSOVÁ, Ľudmila - MANKO, Peter - MLYNÁROVÁ, Laura - PINTILIOAIE, Alexandru-Mihai - TOPALĂ, Laura-Elena - KRÁLOVÁ-HROMADOVÁ, Ivica - HROMADA, Martin. Is *Ornithoctona laticornis* (Diptera: Hippoboscidae) expanding its range from Africa into Europe? First confirmed record in Romania. In International Journal for Parasitology-Parasites and Wildlife, 2025, vol. 27, art. no. 101089. (2024: 2.2 - IF, Q2 - JCR, 0.618 - SJR, Q1 - SJR). ISSN 2213-2244. Typ: ADCA

14.) Medzikontinentálne šírenie a evolučná história viachostiteľských pásomníc rodu *Dibothriocephalus* (The intercontinental dispersal and evolutionary history of multi-host *Dibothriocephalus* tapeworms)

Zodpovedný riešiteľ:	Ivica Hromadová
Trvanie projektu:	1.7.2024 / 30.6.2028
Evidenčné číslo projektu:	APVV-23-0390
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 50 755 €

Dosiahnuté výsledky:

Bola vyvinutá a otestovaná jednokroková diskriminačná PCR metóda za účelom rýchleho a spoľahlivého odlíšenia larválnych štádií pásomníc *Dibothriocephalus dendriticus* a *Dibothriocephalus ditremus*. Z dôvodu nízkej miery medzidruhových rozdielov nebolo možné identifikovať žiadne vhodné oblasti v rámci ribozomálnej a mitochondriálnej DNA pre návrh druhovo špecifických primerov. Preto bola na DNA *D. ditremus* testovaná druhová špecifickosť 15 párov primerov navrhnutých na amplifikáciu mikrosatelitných lokusov u *D. dendriticus*. Dva páry primerov (pre lokusy Dd_8 a Dd_33) vykazovali selektívnu špecifickosť iba pre druh *D. dendriticus*, neposkytovali PCR produkty pre druh *D. ditremus* a boli odporúčané pre budúcu molekulárnu diferenciáciu medzi oboma druhmi pásomníc.

KRÁLOVÁ-HROMADOVÁ, Ivica - DINISOVÁ, Lucia - RADAČOVSKÁ, Alžbeta - KARLSBAKK, Egil - SKÍRNISSON, Karl - ČISOVSKÁ BAZSALOVICSOVÁ, Eva. Usefulness of microsatellite loci for differentiating between *Dibothriocephalus dendriticus* and *Dibothriocephalus ditremus* (Cestoda: Diphyllbothriidea). In Parasite : Journal de la Societe Francaise de Parasitologie, 2025, vol. 32, art. no. 41. (2024: 2.4 - IF, Q2 - JCR, 0.65 - SJR, Q1 - SJR). ISSN 1252-607X. Typ: ADCA

Bola stanovená prevalencia a intenzita infekcie *D. dendriticus* a *D. ditremus* u lososovitých rýb (sivoň arktický a pstruh potočný) z jazier Hafravatn, Thingvallavatn, Mávavatn a Ytra-Hólavatn na Islande. Bola zistená vysoká prevalencia oboch druhov pásomníc, ktorá sa pohybovala pre druh *D. ditremus* v rozpätí 54,2 – 100 % a pre druh *D. dendriticus* bola zistená prevalencia 50,0 – 100 %. Intenzita infekcie *D. dendriticus* bola výrazne nižšia vo všetkých študovaných jazerách, čo je spôsobené rôznymi klimatickými podmienkami potrebnými pre vývoj vajčiek oboch pásomníc a odlišnou potravnou stratégiou a ekológiou vodných vtákov, definitívnych hostiteľov oboch druhov.

KRÁLOVÁ-HROMADOVÁ, Ivica - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - RADAČOVSKÁ, Alžbeta - DINISOVÁ, Lucia - SKÍRNISSON, Karl. Occurrence and the first molecular genotyping of *Dibothriocephalus dendriticus* and *Dibothriocephalus ditremus* (Cestoda: Diphyllbothriidea) in salmonids from Iceland. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100301. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

Po prvýkrát bola determinovaná genetická štruktúra populácií *D. ditremus* z Európy, konkrétne z Islandu. Bola zistená veľká genetická diverzita a veľký počet mitochondriálnych cox1 haplotypov, ktoré

boli zoskupené v troch vzdialených klastroch. Do analýzy boli zahrnuté aj sekvencie *cox1 D. ditremus* z rôznych lokalít v Európe (Škótsko), Ázii (Rusko a Japonsko) a Severnej Amerike (USA/Oregon), za účelom určenia genetickej architektúry *D. ditremus* v širšom geografickom meradle. Neočakávaným výsledkom analýzy bola jedinečná pozícia aktuálne detegovaného Ha31 *D. ditremus* z Islandu, ktorý bol vzdialený od všetkých ostatných jedincov z Islandu, ale vykazoval blízke vzťahy s klastrom ktorý zahŕňoval dva druhy získané z Japonska, druhy *D. ditremus* a *Diphyllbothrium hottai*. Výsledky poukázali na to, že u lososovitých rýb na severnej pologuli sa pravdepodobne vyskytuje viac druhov difyllobothriidných pásomníc.

DINISOVÁ, Lucia - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - SKÍRNISSON, Karl - KRÁLOVÁ-HROMADOVÁ, Ivica. Dibothriocephalosis in salmonids from Iceland: A more complex taxonomic problem than assumed until now? In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no. 100314. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

Bola študovaná genetická štruktúra a tok génov pásomníc *D. dendriticus* získaných z hostiteľov pochádzajúcich z 20-tich krajín štyroch kontinentov. Štatistické analýzy *cox1* haplotypov a mikrosatelitov odhalili úzke genetické vzťahy medzi populáciami v rámci kontinentov, a to v severnej a severozápadnej Európe (Nórsko, Fínsko a Škótsko), Severnej Amerike (USA/Aljaška, USA/Oregon a Grónsko) a Južnej Amerike (Argentína a Čile). Zmiešaný nearktický a palearktický pôvod *D. dendriticus* na Islande bol potvrdený koalescenčnou analýzou mikrosatelitných lokusov s využitím softvéru Migrate. Tieto zistenia zodpovedali rozšíreniu a transkontinentálnym migračným trasám vtákov z čeľade Laridae, hlavných definitívnych hostiteľov *D. dendriticus*.

KRÁLOVÁ-HROMADOVÁ, Ivica - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - RADAČOVSKÁ, Alžbeta - ŠOLTYS, Katarína - JUHÁSOVÁ, Ľudmila - MINÁRIK, G. - KUČHTA, Roman - SKÍRNISSON, Karl - KARLSBAKK, Egil - ŠTEFKA, Jan. Genetic diversity and intercontinental dispersal of temperate and subarctic populations of *Dibothriocephalus dendriticus* (Cestoda; Diphyllbothriidea), a causative agent of dibothriocephalosis. In International Journal for Parasitology, 2025, vol. 55, no. 6, p. 281-298. (2024: 3.2 - IF, Q1 - JCR, 1.153 - SJR, Q1 - SJR). ISSN 0020-7519. Typ: ADCA

15.) Drobné cicavce ako rezervoár zoonózných patogénov v urbanizujúcom sa svete - epidemiológia a genetická diverzita (*Small mammals as reservoir for zoonotic pathogens in an urbanizing world – epidemiology and genetic diversity*)

Zodpovedný riešiteľ:	Martina Miterpáková
Trvanie projektu:	1.7.2022 / 30.6.2026
Evidenčné číslo projektu:	APVV-21-0166
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 47 500 €

Dosiahnuté výsledky:

Bola zrealizovaná komplexná analýza a syntéza dostupných údajov o helmintofaune hlodavcov na Slovensku, ktorá zahŕňa 34 zdrojov, publikovaných aj nepublikovaných, pochádzajúcich z rokov 1955 až začiatku roka 2025. Po kritickom zhodnotení každého zdroja bolo do tohto zoznamu zaradených 73 nominálnych druhov helmintov z 27 druhov hlodavcov, zahŕňajúcich 30 nematód, 29 cestód, 13 trematód a jedného zástupcu kmeňa Acantocephala. Hoci tento zoznam ponúka prvú ucelenú syntézu údajov o helmintoch hlodavcov na Slovensku, poznatky o ich diverzite sú stále neúplné, čím sa otvára široký priestor pre budúci výskum zahŕňajúci moderné molekulárne techniky na identifikáciu druhov.

SYROTA, Yaroslav - HURNÍKOVÁ, Zuzana - KCHARCHENKO, Vitaliy - MITERPÁKOVÁ, Martina. A checklist of helminths (Acanthocephala, Nematoda and Platyhelminthes) found in rodents (Mammalia, Rodentia) from Slovakia. In Zookeys, 2025, issue 1251, p. 61-96. (2024: 1.3 - IF, Q2 - JCR, 0.583 - SJR, Q1 - SJR). ISSN 1313-2989. Typ: ADCA

16.) Integrovaný výskum novej generácie zameraný na pôvodcov rybami prenášaných parazitických zoonóz v povodí Dunaja (*Integrated next-generation biosurveillance of fish-borne parasites in the Danube River basin*)

Zodpovedný riešiteľ: Mikuláš Oros
Trvanie projektu: 1.9.2025 / 31.8.2029
Evidenčné číslo projektu: APVV-24-0140
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 33 810 €

Dosiahnuté výsledky:

V počiatočnej fáze riešenia projektu bol zostavený harmonogram prác a vytvorená sústava modelových odberových miest pre zoonotické druhy parazitov v povodí Dunaja na Slovensku, Rakúsku, Maďarsku, Srbsku a v Rumunsku. Uskutočnili sa prvé terénne cesty a parazitologický skrining rýb z Dunaja v Rakúsku a z rieky Tisa na Slovensku, s dôrazom na druhy, ktoré by mohli slúžiť ako hlavné zdroje nákazy človeka. Celkovo bolo parazitologicky vyšetrených 87 jedincov rýb patriacich k 7 druhom. Získali sa prvé vzorky larválnych štádií motolíc, ktoré boli fixované na následné morfológické a genetické analýzy. Súčasne boli na každej lokalite odobraté environmentálne vzorky vody. Vzorky boli odobraté v troch opakovaniach po 30 litrov a skoncentrované planktónovou sieťou na výsledný objem cca 45 ml. Po prevoze do laboratória boli uskladnené pri -20°C a budú použité na extrakciu eDNA pomocou komerčného kitu. Následne bude vykonaná PCR amplifikácia pomocou špecifických a barkódmi označených primerov s cieľom vytvoriť knižnice pre next generation sequencing (NGS).

17.) Vplyv disturbancií lesa a lesníckych opatrení na pôdne procesy a biodiverzitu (*Effect of forest disturbance and management treatments on soil processes and biodiversity*)

Zodpovedný riešiteľ: Marek Renčo
Trvanie projektu: 1.9.2025 / 31.8.2029
Evidenčné číslo projektu: APVV-24-0382
Organizácia je koordinátorom projektu: nie
Koordinátor: Technická univerzita vo Zvolene Lesnícka fakulta
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 1 952 €

Dosiahnuté výsledky:

Projekt so začiatkom riešenia od septembra 2025 zatiaľ neviduje žiadne výsledky výskumu. V prvých mesiacoch riešenia prebiehali diskusie s partnermi projektu, TU vo Zvolene, ohľadom harmonogramu a logistiky terénnych prác na rok 2026.

Programy: Iné projekty

18.) Štipendia pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine (Scholarships for excellent researchers threatened by the war conflict in Ukraine)

Zodpovedný riešiteľ: Tetiana Kuzmina
Trvanie projektu: 1.10.2022 / 30.9.2025
Evidenčné číslo projektu: 09I03-03-V01-00015
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: Plán obnovy a odolnosti: 35 460 €

Dosiahnuté výsledky:

V rámci výskumu bolo analyzované genetické polymorfizmy a alelovej diverzity podrobených celkovo 69 exemplárov rodu *Parascaris* z koní. Molekulárne analýzy využitím DNA ako aj izoenzymových markerov určili, že jediným druhom *Parascaris* spp. v časti regiónu strednej a východnej Európy je druh *Parascaris univalens*, pričom historicky známejší druh *Parascaris equorum* bol z tejto oblasti v dôsledku väčšej vnímavosti na antihelmintiká už pravdepodobne eradikovaný. Fylogram odvodený zo sekvencií génu 12S rRNA ukázal, že všetky analyzované izoláty boli zoskupené v jednom klastri, pričom vykazovali sekvenčnú identitu 99,1 - 100 %. Jedno- až trojnukleotidové polymorfizmy v porovnaní s centrálnym haplotypom boli detegované najmä v prípade askaríd z Ukrajiny. Z vyhodnotených párových fixačných indexov *F_{st}* bolo zrejmé, že globálna ukrajinská populácia bola najvýraznejšie geneticky vymedzená spomedzi štyroch populácií definovaných podľa sledovaných krajín. V rámci genetickej analýzy bol uskutočnený aj metabarcoding strongylov u liečených koní.

KUZMINA, Tetiana - KÖNIGOVÁ, Alžbeta - BURČÁKOVÁ, Ľudmila - SYROTA, Yaroslav - BABJÁK, Michal - VÁRADY, Marián. Gastrointestinal parasite occurrence in Slovak horses and factors affecting Strongylidae and *Parascaris* spp. egg shedding. In Veterinary Parasitology: Regional Studies and Reports, 2025, vol. 64, art. no. 101328. (2024: 1.4 - IF, Q2 - JCR, 0.456 - SJR, Q2 - SJR). ISSN 2405-9390. Typ: ADMA

19.) Štipendia pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine (Scholarships for excellent researchers threatened by the war conflict in Ukraine)

Zodpovedný riešiteľ: Volodimir Sarabeev
Trvanie projektu: 1.10.2022 / 30.9.2025
Evidenčné číslo projektu: 09I03-03-V01-00017
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: Plán obnovy a odolnosti: 31 860 €

Dosiahnuté výsledky:

Tri roky trvajúci projekt priniesol komplexné a integratívne zhodnotenie spoločenstiev eukaryotických symbiontov a parazitov u pôvodných aj invázných druhov gammaridných kôrovcov, ako aj ich ekologických vplyvov. Terénny výskum zahŕňal 49 expedícií na 31 lokalít na Slovensku, v Maďarsku a vo Francúzsku, a viedol k identifikácii 8807 hostiteľov z radu Amphipoda. Parazity boli identifikované kombináciou morfológických metód (svetelná mikroskopia a transmisná elektrónová mikroskopia) a molekulárnych prístupov, pričom unikátne sekvencie boli uložené v databáze GenBank. Medzi kľúčové

taxonomické výsledky dosiahnuté v roku 2025 patrí integratívny opis nového druhu mikrosporídií a molekulárne podložené rozpoznanie samostatnej vývojovej línie druhu *Cephalotrema elasticum*, čo viedlo k návrhu novej čeľade Cephalotrematidae. Realizovaná a publikovaná bola aj metodologická štúdia zameraná na hodnotenie vplyvu veľkosti analyzovaných vzoriek na hodnoty prevalencie v rôzne zameraných parazitologických výskumoch.

SARABEEV, Volodimir - RASHYDOV, Araz - LISITSYNA, Olga - GREBEN, Oksana - DESDEVISES, Yves - OROS, Mikuláš. A new family for *Cephalotrema elasticum* (Digenea) based on molecular data, with notes on the status of the definitive host population. In Scientific Reports, 2025, vol.15, art no. 33771. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

SARABEEV, Volodimir - SHVYDKA, S. - LISITSYNA, Olga - OROS, Mikuláš - MITERPÁKOVÁ, Martina - ŽDÍMALOVÁ, Mária. The sample size matters: evaluating minimum and reasonable values in prevalence studies. In International Journal for Parasitology, 2025, vol. 55, no. 13, p. 683-693. (2024: 3.2 - IF, Q1 - JCR, 1.153 - SJR, Q1 - SJR). ISSN 0020-7519. Typ: ADCA

20.) Štipendia pre excelentných výskumníkov ohrozených vojnovým konfliktom na Ukrajine (Scholarships for excellent researchers threatened by the war conflict in Ukraine)

Zodpovedný riešiteľ:	Yaroslav Syrota
Trvanie projektu:	1.1.2023 / 31.12.2025
Evidenčné číslo projektu:	09I03-03-V01-00046
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	Plán obnovy a odolnosti: 39 600 €

Dosiahnuté výsledky:

V rámci medzinárodnej spolupráce bola uskutočnená komplexná integratívna analýza zástupcov čeľade Capillariidae, taxonomicky komplikovanej skupiny parazitických nematód. V štúdii boli analyzované nové sekvencie génu pre 18S rRNA *Amphibiocapillaria tritonispunctati* z mloka dunajského (*Triturus dobrogicus*) a štyri ďalšie druhy kapilariidných nematód z vtákov a hlodavcov, pochádzajúce zo Slovenska a Ukrajiny. Fylogenetické analýzy pomocou bayesovskej inferencie a metódy maximálnej vierohodnosti identifikovali *A. tritonispunctati* ako najskôr sa oddeľujúcu líniu v rámci Capillariidae, podporili monofýliu rodov *Eucoleus* a *Capillaria* a potvrdili osobitné postavenie rodu *Baruscapillaria*. Táto práca poskytuje východisko pre ďalší výskum čeľade zástupcov čeľade Capillariidae a ich hostiteľsko-parazitických vzťahov.

SVITIN, Roman - SYROTA, Yaroslav - KUZMIN, Yuriy - DUPAK, V. - NEKRASOVA, Oksana - MARUSHCHAK, Oleksii - ANTIPOVA, Kateryna - GREBEN, Oksana - HURNÍKOVÁ, Zuzana - BRUSENTOVA, Nataliia - MITERPÁKOVÁ, Martina. An update on the phylogeny of capillariid nematodes based on 18S rDNA sequences of *Amphibiocapillaria tritonispunctati* (Diesing, 1851) and four other species. In Current Research in Parasitology & Vector-Borne Diseases, 2025, vol. 8, art. no.100321. (2024: 3.1 - IF, Q1 - JCR, 0.987 - SJR, Q1 - SJR). ISSN 2667-114X. Typ: ADMA

Programy: Plán obnovy EÚ

21.) Detekcia *Trichobilharzia* spp., parazitárnych pôvodcov cercáριοvej dermatitídy, vo vzorkách environmentálnej DNA (*The environmental DNA-based detection of Trichobilharzia spp., parasitic agents of cercarial dermatitis*)

Zodpovedný riešiteľ: Daniel Barčák
Trvanie projektu: 1.9.2024 / 31.8.2026
Evidenčné číslo projektu: 09I03-03-V04-00449
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: Plán obnovy a odolnosti SR: 74 153 €

Dosiahnuté výsledky:

Prvé výsledky skríningu zameraného na vtáčie schistozómy vo VN Stará Myjava a na Jazere v Košiciach potvrdili, že na oboch lokalitách sa v roku 2024 vyskytoval druh *Trichobilharzia franki*, pôvodca cercáριοvej dermatitídy ľudí. Okrem toho bol pomocou NGS sekvenovania potvrdený výskyt ďalších 6 genetických línií rodu *Trichobilharzia*, ktoré môžu predstavovať doposiaľ neznáme druhy. Porovnanie efektivity fixačných metód (schladenie, zmrazenie, resp. fixácia v etanole) realizované pomocou kvantitatívnej PCR (qPCR) ukázalo, že zmrazenie vzoriek predstavuje najvhodnejší spôsob. Ďalší zber eDNA vzoriek a slimákov prebiehal na oboch modelových lokalitách od apríla do novembra 2025 s cieľom objasniť sezónnosť výskytu vtáčích schistozóm a identifikovať environmentálne faktory ovplyvňujúce početnosť cercárií vo vode. Bolo zistené, že vodné slimáky z VN Stará Myjava vylučovali cercárie rodu *Trichobilharzia* od júna do októbra. Verejnosť bola informovaná o problematike cercáριοvej dermatitídy v Európe počas 50. medzinárodnej poľnohospodárskej a potravinárskej výstavy Agrokomplex v Nitre.

22.) Budúcnosť liečby parazitóz u malých prežúvavcov: Stratégia a voľby pre globálnu udržateľnosť (*The future of parasitic treatment in small ruminants: Strategy and choice for global sustainability*)

Zodpovedný riešiteľ: Marián Várady
Trvanie projektu: 1.9.2024 / 31.8.2026
Evidenčné číslo projektu: 09I03-03-V04-00200
Organizácia je koordinátorom projektu: áno
Koordinátor: Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: Plán obnovy a odolnosti SR: 152 164 €

Dosiahnuté výsledky:

V rámci prvej etapy projektu sme vyhodnotili experiment zameraný na sledovanie účinkov čakanky a nanočastíc oxidu zinočnatého (ZnO-NP) na pastve obohatenej o lúčny porast u jahniat experimentálne infikovaných gastrointestinálnym parazitom *Haemonchus contortus*. Získané výsledky naznačujú, že dostupnosť rastlín obsahujúcich bioaktívne látky na lúčnych porastoch má významný potenciál prispieť k zníženiu parazitárnej záťaže u jahniat, ako aj ku kontaminácii pastvín infekčnými larválnymi štádiami parazitov. Tieto zistenia predstavujú perspektívny prístup k udržateľnému manažmentu parazitárnych infekcií u hospodárskych zvierat. Výsledky štúdie zároveň poukazujú na potenciál čakanky ako prirodzenej nutričnej stratégie zameranej na zlepšenie nutričnej kvality jahňacieho mäsa, čím sa podporuje jeho zdravotná hodnota pre spotrebiteľov a súlad so súčasnými výživovými odporúčaniami.

KOMÁROMYOVÁ, Michaela - PETRIČ, Daniel - DEMČÁKOVÁ, Klára - LEŠKO, Matej - ČOBANOVÁ, Klaudia - BABJÁK, Michal - KÖNIGOVÁ, Alžbeta - KUZMINA, Tetiana - ŚLUSARCZYK, Sylwester - FORTUNA, Paulina Izabela - LUKOMSKA, Anna - SIDORUK, Pola - CIESLAK, Adam - VÁRADYOVÁ, Zora - VÁRADY, Marián. Insights into the role of bioactive plants for lambs infected with *Haemonchus contortus* parasite. In *Frontiers in Veterinary Science*, 2025, vol. 12, art. no. 1566720. (2024: 2.9 - IF, Q1 - JCR, 0.783 - SJR, Q1 - SJR). ISSN 2297-1769. Typ: ADCA

EŠKO, Matej - BOMBÁROVÁ, Alexandra - PETRIČ, Daniel - BATŤÁNYI, Dominika - KOMÁROMYOVÁ, Michaela - KÖNIGOVÁ, Alžbeta - BABJÁK, Michal - HALADA, Ľuboš - DAVID, Stanislav - ĽUKOMSKA, Anna - PAWLAK, Piotr - SIDORUK, Pola - CIESLAK, Adam - ČOBANOVÁ, Klaudia - VÁRADYOVÁ, Zora - VÁRADY, Marián. Effect of zinc oxide nanoparticle supplementation on parasite infection and rumen environment of grazing lambs In *Frontiers in Veterinary Science*, 2025, vol. 12, art. no. 1684585. (2024: 2.9 - IF, Q1 - JCR, 0.783 - SJR, Q1 - SJR). ISSN 2297-1769. Typ: ADCA

PETRIČ, Daniel - LEŠKO, Matej - DEMČÁKOVÁ, Klára - KOMÁROMYOVÁ, Michaela - ŚLUSARCZYK, Sylwester - KRAUZE, Izabela - ĽUKOMSKA, Anna - PAWLAK, Piotr - SIDORUK, Pola - CIESLAK, Adam - VÁRADY, Marián - VÁRADYOVÁ, Zora. Chicory modulates the rumen environment in lambs with endoparasites. In *Scientific Reports*, 2025, vol. 15, art. no. 35455. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Typ: ADCA

Programy: PostdokGrant

23.) Klieštik včelí (*Varroa destructor*), závažný parazit včely medonosnej (*Apis mellifera*) na území Slovenska: aká je jeho genetická štruktúra a vzťahy s geograficky vzdialenými populáciami? (*Varroa destructor*, a serious parasite of the honeybee (*Apis mellifera*) in Slovakia: genetic structure and relationships with geographically distant populations")

Zodpovedný riešiteľ:	Júlia Halapy
Trvanie projektu:	1.7.2024 / 31.12.2025
Evidenčné číslo projektu:	APD0072
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-

Dosiahnuté výsledky:

Projekt vrátený z dôvodu nástupu na dlhodobú PN a materskú dovolenku riešiteľky.

24.) Terapia pomocou rastlín s antihelmintickým účinkom a ich vplyv na ultraštruktúru parazita *Haemonchus contortus* (*Therapy using plants with anthelmintic effect and their effect on the ultrastructure of the parasite Haemonchus contortus*)

Zodpovedný riešiteľ:	Michaela Komáromyová
Trvanie projektu:	1.7.2024 / 31.12.2025
Evidenčné číslo projektu:	APD0107
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Parazitologický ústav SAV, v. v. i.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	PostdokGrant SAV: 5 500 €

Dosiahnuté výsledky:

Na základe výsledkov riešenia projektu môžeme predpokladať, že suplementácia čakankou pozitívne ovplyvnila celkový počet parazitov v sleze, významne znížila veľkosť/dĺžku *Haemonchus contortus* a zhoršila kondíciu dospelých parazitov. Zmeny v povrchových štruktúrach dospelých *H. contortus* po kontakte s čakankou a kávovou usadeninou neboli pozorované pomocou SEM. Vnútorne štruktúry parazitov z experimentálnych skupín sledované pomocou TEM vykazovali najmä narušenú štruktúru svaloviny, čo môže byť dôsledok expozície fytoaditívam. Čakanka a kávová usadenina by mohli byť sľubnou alternatívou na udržanie parazitárnych infekcií u jahniat na úrovniach, ktoré nebudú negatívne ovplyvňovať zdravie zvierat, sú však potrebné ďalšie štúdie.

Príloha A-3: Publikačná činnosť organizácie

Príloha je generovaná z ARL.

AAB Vedecké monografie vydané v domácich vydavateľstvách

- AAB01 STANKO, Michal - CSANÁDY, Alexander. The mound-building mouse, *Mus spicilegus* Petényi, 1882, in Slovakia. Miloš Macholán, František Ondriska (rec.). 1. vyd. Bratislava : VEDA : Parazitologický ústav SAV, Košice, 2025. 264 s. ISBN 978-80-224-2126-3

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 BRÁZOVÁ, Tímea** - FARAGÓ, Tomáš - HANČULÁK, Jozef. Relationship between Heavy Metal Accumulation in Freshwater Fish Hosts and Parasites in Aquatic Environments. In *Heavy Metals in the Environment - Contamination, Risk, and Remediation*. 1.vyd. - London : IntechOpen Limited, 2025, p. non. ISBN 978-0-85014-847-3. Dostupné na: <https://doi.org/10.5772/intechopen.1006612>

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

- ADCA01 AMIN, Omar M.** - CHAUDHARY, Anshu - CARACCILOLO, Makoto Enoki - RUBTSOVA, N.Y - WENDT, C. - KUZMINA, Tetiana - DE SOUZA, Wanderley - SINGH, Hridaya S. Morphological and molecular description of *Corynosoma paraevae* n. sp. (Acanthocephala: Polymorphidae) juveniles from *Notothenia coriiceps* Richardson (Perciformes: Nototheniidae) in Argentine Islands, West Antarctica. In *Systematic Parasitology*, 2025, vol. 102, art. no. 43. (2024: 1.2 - IF, Q4 - JCR, 0.364 - SJR, Q3 - SJR). ISSN 0165-5752. Dostupné na: <https://doi.org/10.1007/s11230-025-10238-8>
- ADCA02 AMIN, Omar M.** - CHAUDHARY, Anshu - CARACCILOLO, Makoto Enoki - RUBTSOVA, N.Y - WENDT, Maria - LISITSYNA, Olga - KUZMINA, Tetiana - DE SOUZA, Wanderley - SINGH, Hridaya S. Redescription and molecular analysis of *Corynosoma pseudohamanni* Zdzitowiecki, 1984 (Acanthocephala: Polymorphidae) juveniles from *Notothenia coriiceps* Richardson in the water area of Argentine Islands, West Antarctica. In *Systematic Parasitology*, 2025, vol. 102, art. no. 16. (2024: 1.2 - IF, Q4 - JCR, 0.364 - SJR, Q3 - SJR). ISSN 0165-5752. Dostupné na: <https://doi.org/10.1007/s11230-024-10212-w>
- ADCA03 ANTHONJ, Carmen** - SETTY, Karen - HOESER, Christoph - BROWN, Joe - IHNACIK, Lukáš - POAGUE, Kasandra. Assessing water and health insecurity in informal settlements: Bringing Europe's invisible, marginalized Roma communities into focus. A systematic scoping review. In *Social Science & Medicine*, 2025, vol. 384, art no. 118526. (2024: 5 - IF, Q1 - JCR, 2.103 - SJR, Q1 - SJR). ISSN 0277-9536. Dostupné na: <https://doi.org/10.1016/j.socscimed.2025.118526>
- ADCA04 BALČIAUSKAS, Linas** - CSANÁDY, Alexander** - STANKO, Michal - TIMM, Uudo - BALČIAUSKIENĖ, Laima. Morphological variation in the Striped field mouse across three countries. In *Animals*, 2025, vol. 15, art. no. 452. (2024: 2.7 - IF, Q1 - JCR, 0.733 - SJR, Q1 - SJR). ISSN 2076-2615. Dostupné na: <https://doi.org/10.3390/ani15030452>
- ADCA05 BRÁZOVÁ, Tímea** - SYROTA, Yaroslav - OROS, Mikuláš - UHROVIČ, Dalibor. Heavy Metal Accumulation in Freshwater Fish: The Role of Species, Age, Gender, and Parasites. In *Bulletin of Environmental Contamination and Toxicology*, 2025, vol. 114, art. no. 92. (2024: 2.2 - IF, Q3 - JCR, 0.753 - SJR, Q2 - SJR). ISSN 0007-4861. Dostupné na: <https://doi.org/10.1007/s00128-025-04068-z>
- ADCA06 BUCHER, Roman** - BATÁRY, Péter - BAUDRY, Julia - BEAUMELLE, L. - ČEREVKOVÁ, Andrea - DE LA RIVA, Enrique G. - DJOUDI, El Aziz - DIRILGEN, Tara - GALLÉ, R. - KESSE-GUYOT, E. - O'REILLY, Alison - REMBIAŁKOWSKA, E. - RUSCH, A. - SMITH, Henrik G. - STANLEY, Dara - ROBERTS, Stuart P.M. - ULRICH, Werner - BIRKHOFER, Klaus. Land-use impacts on crop yield: direct and indirect roles of arthropods and associated ecosystem services in European farmland. In *Landscape Ecology*, 2025, vol. 40, art. no. 97. (2024: 3.7 - IF, Q1 - JCR, 1.329 - SJR, Q1 - SJR). ISSN 0921-2973. Dostupné na: <https://doi.org/10.1007/s10980-025-02117-w>
- ADCA07 CASULLI, Adriano - ABELA-RIDER, Bernadette - PETRONE, Daniele - ŠOBA ŠPARL, Barbara - DESZÉNYI, Balázs - KARAMON, Jacek - MILLON, Laurence - SAARMA, Urmas - ANTOLOVÁ, Daniela - CHAPPUIS, François - GLOOR, Severin - STOECKLE, Marcel - MÜLLHAUPT, Beat -

BECK, Relja - LAGLER, Heimo - LÖTSCH, Felix - AUER, Herbert - HAYETTE, Marie-Pierre - KOLÁŘOVÁ, Libuše - LAIVACUMA, Sniedze - ŠARKŪNAS, Mindaugas - SOKOLOVAS, Vitalijus - MARCINKUTĖ, Audronė - TROELL, Karin - DEIBEL, Ansgar - JOKELAINEN, Pikka - SULIMA, Małgorzata - KRANKOWSKA, Dagny - ROMAN, Stillhard - JOLIAT, Gaëtan-Romain - HALKIC, Nermin - BRESSON-HADNI, Solange - BEDNAREK, Joanna Halina - ZAŁĘSKI, Andrzej - MAŁGORZATA, Paul - YAQUB, Sheraz - JENSENIUS, Magens - VAN DER GIESSEN, Joke - NABARRO, Laura - CHIODINI, Peter - DEMONMEROT, Florent - KNAPP, Jenny - GRÜNER, Beate - KERN, Peter J. - PETERS, Lynn - SANTOLAMAZZA, Federica* - SANTORO, Azzurra*. Unveiling the incidences and trends of alveolar echinococcosis in Europe: a systematic review from the KNOW-PATH project. In *Lancet Infectious Diseases*, 2025, vol. 25, no. 9, art. no. e497. (2024: 31 - IF, Q1 - JCR, 5.446 - SJR, Q1 - SJR). ISSN 1473-3099. Dostupné na:

[https://doi.org/10.1016/S1473-3099\(25\)00283-X](https://doi.org/10.1016/S1473-3099(25)00283-X)

- ADCA08 DIEKMAN, Irina - KRÜCKEN, J. - KUZMINA, Tetiana - BREDTMANN, Christina M. - MARIANA, Louro - KCHARCHENKO, Vitaliy - TZELOWS, Thomas - MATTHEWS, Jacqueline B. - DE CARVALHO, M. - VON SAMSON-HIMMELSTJERNA, Georg**. Comparative phylogenetic and sequence identity analysis of internal transcribed spacer 2 and cytochrome c oxidase subunit I as DNA barcode markers for the most common equine Strongylidae species. In *Infection Genetics and Evolution*, 2025, vol. 129, art. no. 105759. (2024: 2.6 - IF, Q2 - JCR, 0.74 - SJR, Q1 - SJR). ISSN 1567-1348. Dostupné na: <https://doi.org/10.1016/j.meegid.2025.105729>
- ADCA09 DUPAK, V. - KUZMIN, Yuriy - SYROTA, Yaroslav - SVITIN, Roman** - GREBEN, Oksana. Helminths of the hooded crow (*Corvus cornix*) in cities and beyond: a descriptive analysis of historical and contemporary data from Ukraine. In *Journal of Helminthology*, 2025, vol. 99, art. no. e118. (2024: 1.6 - IF, Q2 - JCR, 0.398 - SJR, Q2 - SJR). ISSN 1475-2697. Dostupné na: <https://doi.org/10.1017/S0022149X25100850>
- ADCA10 GREBEN, Oksana** - KUDLAI, Olena - KUZMIN, Yuri - KOROLYUK, Elena A. - SYROTA, Yaroslav. Helminth diversity in brine shrimps (*Artemia*) from Ukraine. In *Journal of Helminthology*, 2024, vol. 98, art. no. e90. (2023: 1.3 - IF, Q2 - JCR, 0.406 - SJR, Q2 - SJR). ISSN 1475-2697. Dostupné na: <https://doi.org/10.1017/S0022149X24000865>
- ADCA11 GULYÁS, Kristián - BALOGOVÁ, Monika - PIPOVÁ, Natália - PAPEŽÍK, Petr - UHROVIČ, Dalibor - MIKULÍČEK, Peter - BRÁZOVÁ, Tímea - BENOVICES, Michal**. Insights into the genetic diversity and species distribution of *Oswaldocruzia* nematodes (Trichostrongylida: Molineidae) in Europe: apparent absence of geographic and population structuring in amphibians. In *Parasite : Journal de la Societe Francaise de Parasitologie*, 2025, vol. 32, art. no. 27. (2024: 2.4 - IF, Q2 - JCR, 0.65 - SJR, Q1 - SJR). ISSN 1252-607X. Dostupné na: <https://doi.org/10.1051/parasite/2025020>
- ADCA12 HALAPY, Júlia - ŠNÁBEL, Viliam - ANTOLOVÁ, Daniela** - CAVALLERO, Serena - GUIMARÃES, Nuno - ĎUROVÁ, Jana - ŠTOFÍK, Jozef. *Echinococcus granulosus sensu lato* in grey wolves (*Canis lupus*) population in Slovakia – epidemiology and genetic analysis. In *Scientific Reports*, 2025, vol. 15, art. no. 22590. (2024: 3.9 - IF, Q1 - JCR, 0.874 - SJR, Q1 - SJR). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-025-06993-9>
- ADCA13 HEGLASOVÁ, Ivana** - VÍCHOVÁ, Bronislava - STANKO, Michal. Diversity and prevalence of spotted-fever group rickettsiae in ixodid ticks across Slovakia, Central Europe. In *Ticks and Tick-Borne Diseases*, 2025, vol. 16, art. no. 102490. (2024: 3.4 - IF, Q1 - JCR, 1.034 - SJR, Q1 - SJR). ISSN 1877-959X. Dostupné na: <https://doi.org/10.1016/j.ttbdis.2025.102490>
- ADCA14 HRČKOVÁ, Gabriela** - MUDROŇOVÁ, Dagmar - REITEROVÁ, Katarína - CAVALLERO, Serena - BELLINI, Ilaria. Human Dialyzable Leukocyte Extract Enhances Albendazole Efficacy and Promotes Th1/Th2-Biased Lymphocyte and Antibody Responses in Peritoneal Cavity of Murine Model of *Mesocostoides vogae* Infection. In *International Journal of Molecular Sciences*, 2025, vol. 26, no. 14, art. no. 6994. (2024: 4.9 - IF, Q1 - JCR, 1.273 - SJR, Q1 - SJR). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms26146994>
- ADCA15 KRÁLOVÁ-HROMADOVÁ, Ivica** - ČISOVSKÁ BAZSALOVICSOVÁ, Eva - RADAČOVSKÁ, Alžbeta - ŠOLTYS, Katarína - JUHÁSOVÁ, Ľudmila - MINÁRIK, G. - KUČHTA, Roman - SKÍRNISSON, Karl - KARLSBAKK, Egil - ŠTEFKA, Jan. Genetic diversity and intercontinental dispersal of temperate and subarctic populations of *Dibothriocephalus dendriticus* (Cestoda; Diphyllbothriidea), a causative agent of dibothriocephalosis. In *International Journal for Parasitology*, 2025, vol. 55, no. 6, p. 281-298. (2024: 3.2 - IF, Q1 - JCR, 1.153 - SJR, Q1 - SJR). ISSN 0020-7519. Dostupné na: <https://doi.org/10.1016/j.ijpara.2025.01.002>
- ADCA16 KRÁLOVÁ-HROMADOVÁ, Ivica** - DINISOVÁ, Lucia - RADAČOVSKÁ, Alžbeta - KARLSBAKK, Egil - SKÍRNISSON, Karl - ČISOVSKÁ BAZSALOVICSOVÁ, Eva. Usefulness of microsatellite loci for

- differentiating between *Dibothriocephalus dendriticus* and *Dibothriocephalus ditremus* (Cestoda: Diphyllbothriidea). In *Parasite : Journal de la Societe Francaise de Parasitologie*, 2025, vol. 32, art. no. 41. (2024: 2.4 - IF, Q2 - JCR, 0.65 - SJR, Q1 - SJR). ISSN 1252-607X. Dostupné na: <https://doi.org/10.1051/parasite/2025033>
- ADCA17 HURNÍKOVÁ, Zuzana** - HALAJIAN, Ali - RAMPEDI, Kgethedi Michael - SYROTA, Yaroslav - MITERPÁKOVÁ, Martina. Exploring the role of mesocarnivores and predatory birds in the circulation of *Trichinella* (Nematoda) in South Africa. In *Veterinary parasitology*, 2025, vol. 337, art. no. 110502. (2024: 2.2 - IF, Q1 - JCR, 0.606 - SJR, Q1 - SJR). ISSN 0304-4017. Dostupné na: <https://doi.org/10.1016/j.vetpar.2025.110502>
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ADCA09

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ADCA11

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ADCA33

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ADCA35

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ADCA90

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ADCA91

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ADCA92

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ADCA103

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ADCA104

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ADCA143

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ADCA204

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ADCA205

KINKAR, Liina - LAURIMÄE, Teivi - BALKAYA, Ibrahim - CASULLI, Adriano - ZAIT, Houria - IRSHADULLAH, Malik - SHARBATKHORI, Mitra - MIRHENDI, Hossein - ROSTAMI-NEJAD, Mohammad - PONCE-GORDO, Francisco - REHBEIN, Steffen - KIA, Eshrat Beigom - SIMSEK, Sami - ŠNÁBEL, Viliam - UMHANG, Gérald - VARCASIA, Antonio - SAARMA, Urmas**. Genetic diversity and phylogeography of the elusive, but epidemiologically important *Echinococcus granulosus sensu stricto* genotype G3. In *Parasitology*, 2018, vol. 145, no. 12, p. 1613-1622. (2017: 2.511 - IF, Q2 - JCR, 1.194 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0031-1820. Dostupné na: <https://doi.org/10.1017/S0031182018000549>

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ADCA206

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ROSTAMI-NEJAD, Mohammad - OUDNI-M';RAD, Myriam - PIERANGELI, Nora Beatriz - PONCE-GORDO, Francisco - REHBEIN, Steffen - SHARBATKHORI, Mitra - SIMSEK, Sami - SORIANO, Silvia Viviana - SPRONG, Hein - ŠNÁBEL, Viliam - UMHANG, Gérald - VARCASIA, Antonio - SAARMA, Urmas**. Global phylogeography and genetic diversity of the zoonotic tapeworm *Echinococcus granulosus sensu stricto* genotype G1. In *International Journal for Parasitology*, 2018, vol. 48, no. 9-10, p. 729-742. (2017: 3.078 - IF, Q1 - JCR, 1.638 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0020-7519. Dostupné na: <https://doi.org/10.1016/j.ijpara.2018.03.006>

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ADCA210

KNAPP, Jenny - BART, Jean-Mathieu - GIRAUDOUX, Patrick - BREYER, Isabelle - RAOUL, Francis - DEPLAZES, Peter - DUSCHER, Georg - MARTÍNEK, Karel - DUBINSKÝ, Pavol - GUISLAIN, Marie-Helene - CLIQUET, Florence - ROMIG, Thomas - MALCZEWSKI, Andrzej - GOTTSTEIN, Bruno - PIARROUX, Renaud. *Genetic diversity of the cestode Echinococcus multilocularis in red foxes at a continental scale in Europe. In Plos Neglected Tropical Diseases : a peer-reviewed open-access journal published by the Public Library of Sciences, 2009, vol. 3, no. 6, art. no. e452. (2008: 4.172 - IF, Q1 - JCR, 0.938 - SJR, Q1 - SJR). ISSN 1935-2735. Dostupné na:*

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ADCA211

HAKLOVÁ, Božena - MAJLÁTHOVÁ, Viktória - MAJLÁTH, Igor - HARRIS, D.J. - PETRILLA, V. - LITSCHKA-KOEN, T. - OROS, Mikuláš - PEŤKO, Branislav. *Phylogenetic relationship of Hepatozoon blood parasites found in snakes from Africa, America and Asia. In Parasitology, 2014, vol. 141, no. 3, p. 389-398. (2013: 2.350 - IF, Q2 - JCR, 1.145 - SJR, Q1 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0031-1820. Dostupné na:*

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ADCA212

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ADCA214

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ADCA215

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ADCA219

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ADCA220

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ADCA250

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ADCA255

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ADMA07

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ADMA30

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ADMB11

TENORA, František - BARUŠ, Vlastimil - ŠPAKULOVÁ, Marta - CUTILLAS, Cristina. Scanning electron microscopy on males of two Trichuris (Nematoda) species parasitizing the hosts Ovis and Capra. In Acta Universitatis Agriculturae et Silviculturae Mendeleianae Brunensis, 1997, vol. 45, no.1, p. 19-27.

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ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNB01

KOVÁČIK, Peter** - ŠALAMÚN, Peter - SMOLENÍ, Sylwester - ŠKARPA, Petr - ŠIMANSKÝ, Vladimír - MORAVČÍK, Luboš. Determination of the carrot (Daucus carota L.) yields parameters by vermicompost and earthworms (Eisenia foetida). In Potravinárstvo, 2018, vol. 12, no. 1, p. 520-526. (2017: 0.245 - SJR, Q3 - SJR). ISSN 1337-0960. Dostupné na: <https://doi.org/10.5219/946>

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ADNB02

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

AECA01 RENČO, Marek** - KOVÁČIK, Peter - ATUNGWU, J.J. Reduction of a potato cyst nematode by organic soil amendments at different initial nematode density. In *Journal of Organic Agriculture and Environment : An Official (International) Journal of the Organic Agriculture Project in Tertiary Institutions in Nigeria*, 2016, vol. 4, no. 1, p. 98-109. ISSN 2437-2021. Dostupné na internete: <http://oaptin.org/index.php/JOAEN/article/view/10>

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AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 SIMONOVÁ, Monika - STROMPFOVÁ, Viola - MARCIŇÁKOVÁ, Miroslava - FAIX, Štefan - LAUKOVÁ, Andrea - VASILKOVÁ, Zuzana - ŠALAMON, I. Chamomile Essential oil and its experimental application in rabbits. In *Acta Horticulturae*. - Hague : International Society for Horticultural Science, 2007, no. 749, p. 197-201. (2006: 0.245 - SJR, Q3 - SJR). ISSN 0567-7572.

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AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 HURNÍKOVÁ, Zuzana - MITERPÁKOVÁ, Martina - ČABANOVÁ, Viktória - CHOVANCOVÁ, Gabriela. Free-living carnivores as an important reservoir of zoonotic parasites in the Tatra Mountain region, Slovakia. In *Annals of Parasitology*, 2016, vol. 62, suppl., p. 21. (2015: 0.323 - SJR, Q3 - SJR). ISSN 0043-5163.

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AFG02 KAPEL, C.M.O. - WEBSTER, Paul - MALAKAUSKAS, A. - HURNÍKOVÁ, Zuzana - GAMBLE, H.R. Freeze tolerance of *Trichinella* genotypes in muscle tissue of experimentally infected pigs, horses, wild boars, mice, cats, and foxes. In *ICT-11. International conference on Trichinellosis*, San Diego, August 8-12, 2004 : book of abstracts. - San Diego : University of San Diego, 2004, s. 28.

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1. [1.1] BESSI, Clara - ERCOLE, Mariano Emmanuel - FARINA, Fernando Adrian - MONTALVO, Francisco - FASSA, Valeria - ACERBO, Marcelo - RIBICICH, Miriam Mabel - PASQUALETTI, Mariana Ines. *Survival of Trichinella spiralis and T. pseudospiralis in Experimentally Infected Wild Boar Muscle Tissue under Freezing and Environmental Conditions*. In *IRANIAN JOURNAL OF PARASITOLOGY*. ISSN 1735-7020, OCT-DEC 2024, vol. 19, no. 4, p. 457-464., Registrované v: WOS

AFG03 RENČO, Marek - ČEREVKOVÁ, Andrea - SASANELLI, Nicola - TODERAS, I. Nematicidal activity of essential oils against the potato cyst nematode *Globodera rostochiensis*. In 46th International Symposium on Essential Oils (ISEO), Lublin, Poland : 13-16 September 2015. 46th. - Badebio Ltd., 2015, pP-069. Vega č. 2/0079/13

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1. [1.1] D';ADDABBO, T. - LAQUALE, S. - VERONICO, P. - AVATO, P. - ARGENTIERI, M. P. *Nematicidal activity of the essential oil from Cinnamomum cassia and (E)-cinnamaldehyde against phytoparasitic nematodes*. In *JOURNAL OF PEST SCIENCE*. ISSN 1612-4758, 2024. Dostupné na: <https://doi.org/10.1007/s10340-024-01816-8>, Registrované v: WOS

BDCA Odborné práce v zahraničných karentovaných časopisoch impaktovaných

BDCA01 CAVALLERO, Serena** - GABRIELLI, Simona - GAZZONIS, Alessia - POMBI, Marco - ŠNÁBEL, Viliam. Editorial: Zoonotic Parasitic Diseases in a Changing World. In *Frontiers in Veterinary Science*, 2021, vol. 8, art. no. 715112. (2020: 3.412 - IF, Q1 - JCR, 0.877 - SJR, Q1 - SJR, karentované - CCC). (2021 - Current Contents). ISSN 2297-1769. Dostupné na: <https://doi.org/10.3389/fvets.2021.715112>

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2. [3.1] YANMAZ, B. A. *Perspective on foodborne zoonotic parasitic diseases [online]*. In: ERDOST, H. (ed.). *Halk Sağlığı Yönünden Metisiline Dirençli Staphylococcus aureus (MRSA) [Veterinary fatalities caused by the pathogen Staphylococcus aureus (MRSA)]*. Lyon : Livre de Lyon, 2024, p. 77-84. ISBN 978-2-38236-766-7. Dostupné na internete: <https://doi.org/10.5281/zenodo.14535140>

Príloha A-4: Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

doc. MVDr. Zuzana Hurníková, PhD.

Názov semestr. predmetu: Basics of diagnostics in parasitology

Počet hodín za semester: 4

Názov katedry a vysokej školy: Univerzita veterinárskeho lekárstva a farmácie v Košiciach, katedra epizootológie, parazitológie a ochrany spoločného zdravia

doc. MVDr. Zuzana Hurníková, PhD.

Názov semestr. predmetu: Choroby laboratórnych zvierat a manažment klinických experimentov

Počet hodín za semester: 52

Názov katedry a vysokej školy: Univerzita veterinárskeho lekárstva a farmácie v Košiciach, Klinika vtákov, exotických a voľne žijúcich zvierat

doc. MVDr. Zuzana Hurníková, PhD.

Názov semestr. predmetu: Pohoda a chov experimentálnych zvierat

Počet hodín za semester: 78

Názov katedry a vysokej školy: Univerzita veterinárskeho lekárstva a farmácie v Košiciach, Experimentálny zverinec

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Názov semestr. predmetu: Akademické písanie a akademická integrita

Počet hodín za semester: 36

Názov katedry a vysokej školy: Zaporizhzhia National University, Ukraine, Katedra lesníckej biológie, poľovníctva a ichtyológie

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Názov semestr. predmetu: Projektová činnosť v lesníckych a poľovníckych hospodárstvach

Počet hodín za semester: 40

Názov katedry a vysokej školy: Zaporizhzhia State University, Ukraine, Katedra lesníckej biológie, poľovníctva a ichtyológie

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Názov semestr. predmetu: Výskumno-inovačná činnosť

Počet hodín za semester: 8

Názov katedry a vysokej školy: Zaporizhzhia National University, Ukraine, Katedra lesníckej biológie, poľovníctva a ichtyológie

Semestrálne cvičenia:

doc. MVDr. Zuzana Hurníková, PhD.

Názov semestr. predmetu: Basics of diagnostics in parasitology

Počet hodín za semester: 12

Názov katedry a vysokej školy: Univerzita veterinárskeho lekárstva a farmácie v Košiciach, katedra epizootológie, parazitológie a ochrany spoločného zdravia

MVDr. Alžbeta Königová, PhD.

Názov semestr. predmetu: Choroby hydiny

Počet hodín za semester: 30

Názov katedry a vysokej školy: Univerzita veterinárskeho lekárstva a farmácie v Košiciach, Klinika vtákov, exotických a voľne žijúcich zvierat

Semináre:

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Názov semestr. predmetu: Biologické štúdie

Počet hodín za semester: 5

Názov katedry a vysokej školy: Zaporizhzhia National University, Ukraine, Katedra lesníckej biológie, poľovníctva a ichtyológie

prof. HDR. MSc. Volodimir Sarabeev, PhD.

Názov semestr. predmetu: Ekologické štúdie

Počet hodín za semester: 5

Názov katedry a vysokej školy: Zaporizhzhia National University, Ukraine, Katedra lesníckej biológie, poľovníctva a ichtyológie

Príloha A-5: 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	Klaudia Mária Švirlochová	31			Zuzana Fečová	7
					Marián Várady	2
Chorvátsko	Anna Marková	4				
	Martina Orosová	4				
Nórsko					Eva Čisovská Bazsalovicsová	16
					Ivica Hromadová	20
					Mikuláš Oros	14
Poľsko	Klaudia Mária Švirlochová	11			Dominik Kaňuk	30
					Alžbeta Königová	12
					Marián Várady	4
					Marián Várady	6
					Marián Várady	2
Rakúsko					Mikuláš Oros	2
Srbsko	Klaudia Mária Švirlochová	4				
Taliansko	Lukáš Ihnacik	4			Martina Miterpáková	5
	Ingrid Papajová	4				
	Júlia Šmigová	4				
Ukrajina					Tetiana Kuzmina	17
					Tetiana Kuzmina	24
					Tetiana Kuzmina	20
Veľká Británia					Martina Miterpáková	3
Počet vyslaní spolu	8	66			16	184

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

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Česko					Devetter M.	2
					Douda O.	5
					Pantoja de Oliveira C.S.	5
					Soldánová M.	5
Holandsko	Anthonj C.	6				
	Anthonj C.	4				
Poľsko	Asman M	11			Cieslak A.	6
	Werszko J.	11			Cieslak A.	7
					Cieslak D.	7
					Nahimova O.	7
Taliansko					Buono F.	11
Ukrajina					Dupak V.	8
					Rudyk-Leuska N.	9
Počet prijatí spolu	4	32			11	72

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

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Brazília	30th WAAVP	Alžbeta Königová	12
		Tetiana Kuzmina	12
Česko	29. Helminthodny	Tetiana Kuzmina	5
		Mikuláš Oros	5
	54. Zoologické dny	Tímea Brázová	3
		Michaela Hajdu	3
	Fire Ecosystems	Marek Renčo	5
Grécko	8th ESDA	Daniela Antolová	4
		Zuzana Hurníková	4
		Martina Miterpáková	4
Keňa	IWEC	Tetiana Kuzmina	9
Maďarsko	ComEc5	Marek Renčo	4
Mexiko	XI. ISFP	Daniel Barčák	7
		Mikuláš Oros	7
		Martina Orosová	7
		Volodimir Sarabeev	7
Poľsko	27. PTP Congress	Tetiana Kuzmina	7
		Viliam Šnábel	7
Rakúsko	COST Envirant	Michaela Komáromyová	3
		Marián Várady	3
Španielsko	Immunology Summit	Gabriela Hrčková	6
	VII. Eurosoil	Andrea Čerevková	6
Švajčiarsko	VVIC	Gabriela Hrčková	5
Spolu	13	23	135

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

Skratky použité v tabuľke C:

- 27. PTP Congress - 27th Congress of the Polish Parasitological Society, Gdańsk, 8.-12.9.2025
- 29. Helminthodny - 29th Helminthological Days, Kostelec nad Černými lesy, 12.-16.5.2025
- 30th WAAVP - 30th WAAVP Conference of Veterinary Parasitology, Curitiba, 17.-21.8.2025
- 54. Zoologické dny - 54. Zoologické dny Brno, 12.-14.2.2025
- 8th ESDA - 8th European Society fo Dirofilariosis and Angiostrongylosis Days, Thessaloniki, 22.-24.5.2025
- 8th ESDA - th European Society fo Dirofilariosis and Angiostrongylosis Days, Thessaloniki, 22.-24.5.2025
- ComEc5 - 5th International Conference on Community Ecology, Budapest, 3.-5.9.2025
- COST Envirant - COST Action - Environmental impact of anthelmintics in livestock and alternatives to minimize their use, Viena, 25.-27.2.2025
- Fire Ecosystems - Fire in Central European Ecosystems, Děčín, 6.-8.10.2025
- Immunology Summit - 2nd World Summit and Expo on Immunology, Valencia, 14.-16.7.2025
- IWEC - International Wild Equid Conference, Nanyuki, 5.-13.4.2025
- VII. Eurosoil - VII. Eurosoil Congress, Sevilla, 8.-12.9.2025
- VVIC - Vaccines, Virology and Immunology Conference, Geneva, 8.-10.10.2025
- XI. ISFP - XI. International Symposium on Fish Parasites, Mérida, 20.-24.1.2025

Príloha A-6: Vedecko-popularizačná činnosť pracovníkov organizácie

Meno	Spoluautori	Typ ¹	Názov	Miesto zverejnenia	Dátum alebo počet za rok
MVDr. Daniela Antolová, DrSc.		TL	Rozhovor a podcast o alveolárnej echinokokóze, príspevku, ktorý vyšiel v Lancet a o toxoplazmóze.	Denník Postoj	10.8.2025
MVDr. Daniela Antolová, DrSc.		TV	Rozhovor o parazitoch, ktorými sa môžeme nakaziť počas letných dovolení	TV Markíza, relácia Reflex	3.9.2025
MVDr. Daniela Antolová, DrSc.		TL	Rozhovor pre časopis Plus 7 dní: Zabíjak z lesa.	Plus 7 dní, číslo 25/2025, s. 20 – 22	22.6.2025
MVDr. Daniela Antolová, DrSc.		TL	Rozhovor pre HN Magazín - (Ne) bezpečné ovocie: kedy sa melón, čučoriedky a jahody menia z výživovej bomby na ničivú smršť pre zdravie?	HN magazín	27.6.2025
MVDr. Daniela Antolová, DrSc.		RO	Rozhovor pre Slovenský rozhlas o parazitoch a SAV.	Slovenský rozhlas, relácia Nočná pyramída	1.9.2025
MVDr. Daniela Antolová, DrSc.		TV	Rozhovor pre televíziu Markíza o alveolárnej echinokokóze.	TV Markíza, relácia Správy	16.4.2025
MVDr. Daniela Antolová, DrSc.		TV	Rozhovor pre televíziu STVR o alveolárnej echinokokóze.	STVR	29.4.2025
MVDr. Daniela Antolová, DrSc.		IN	Správa: "Parazitologička SAV publikovala v Lancete a vstúpila do európskeho centra. "	Aktuality SAV	8.7.2025
RNDr. Tímea Brázová , PhD.		PB	Deň Zeme	ZŠ Nad Medzou, Spišská Nová Ves	25.4.2025
RNDr. Tímea Brázová , PhD.		PB	Život a parazity žiab na hodine biológie	ZŠ Krosnianska 2, Košice	6.5.2025
RNDr. Lukáš Ihnacik, PhD.		PB	Popularizácia vedy a predstavenie parazitologického ústavu formou prezentácie "Tajný život parazitov"	Gymnázium Janka Francisci-Rimavského v Levoči	9.12.2025

RNDr. Lukáš Ihnacik, PhD.	doc. RNDr. Ingrid Papajová, PhD.	PB	Pôdou prenosné helminty - detekcia, boj a prevencia pre zlepšenie zdravia	Základná škola Nacina Ves	13.5.2025
MVDr. Martina Miterpáková, DrSc.		iné	Podkast "Mišpulancie o psoch"	https://www.youtube.com/watch?v=n21wuxEorUU	11.3.2025
MVDr. Martina Miterpáková, DrSc.		TV	Prevencia domácich miláčikov pred parazitmi	STVR Dámsky klub. https://www.stvr.sk/telvizia/archiv/14057/528907#0	28.4.2025
MVDr. Martina Miterpáková, DrSc.		TV	Prevencia pľúcnej dirofilariózy.	Markíza. Teleráno. https://media.mediaboard.com/article/media/19761/260767224-ccde062c0f5901fe2dde/	29.4.2025
doc. RNDr. Ingrid Papajová, PhD.	RNDr. Lukáš Ihnacik, PhD.	TV	Endoparazity vo vode a v pôde	STVR, Dvojka, Experiment	20.10.2025
doc. RNDr. Ingrid Papajová, PhD.	RNDr. Lukáš Ihnacik, PhD.	TV	Parazity bobra európskeho	STVR, Dvojka, VAT	18.10.2025
doc. RNDr. Michal Stanko, DrSc.		TV	Sezóna kliešťov začala.	RTVS 24	27.4.2025

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

Príloha A-7: Vyznamenania, ceny a iné ocenenia udelené organizácii a jej pracovníkom v roku 2025

Domáce ocenenia

Ocenenia SAV

Ihnacik Lukáš

Súťaž doktorandov SAV

Oceňovateľ: Predsedníctvo SAV

Opis: 3. miesto v rámci Súťaže doktorandov za II. oddelenie vied SAV

Špakulová Marta

Významná osobnosť SAV

Oceňovateľ: Predsedníctvo SAV

Opis: Ocenenie pri príležitosti životného jubilea pre významné osobnosti Slovenskej akadémie vied.

Iné domáce ocenenia

Ihnacik Lukáš

Súťaž o najlepšiu študentskú prezentáciu - konferencia 7. Labudove dni

Oceňovateľ: VÚ BMC SAV, ÚZ SAV, PAÚ SAV, SPS pri PaÚ SAV, Medirex, a. s.

Opis: 1. miesto v súťaži o najlepšiu študentskú prezentáciu v rámci konferencie 7. Labudove dni.

Marková Anna

Cena dekana PriF UK v Bratislave

Oceňovateľ: PriF UK

Opis: Cena za výnimočný vedecký a publikačný výstup v rámci riešenia témy dizertačnej práce v kategórii "Biologické vedy".

Švirlochová Klaudia Mária

Cena za najlepšiu prácu doktorandov a Cena UVLF

Oceňovateľ: ÚFHZ CBv SAV, UVLF, UPJŠ

Opis: Cena udelená v rámci Seminára doktorandov venovaného pamiatke akademika Bodu - XX. ročník.

Medzinárodné ocenenia

N/A

Parazitologický ústav SAV, v. v. i.



**Výročná správa o činnosti a hospodárení
za rok 2025**

Košice
2026

ČASŤ B

Parazitologický ústav SAV, v. v. i.

**Výročná správa o hospodárení organizácie
za rok 2025**

ČASŤ B

Výročná správa o hospodárení organizácie za rok 2025

Obsah

- 19. Základné informácie o hospodárení organizácie
- 20. Prehľad príjmov a výdavkov
- 21. Pohyb a konečný stav majetku
- 22. Opatrenia na odstránenie nedostatkov v hospodárení a správa o plnení opatrení prijatých na odstránenie nedostatkov z predchádzajúceho roku
- 23. Ďalšie údaje o hospodárení organizácie

[Údaje o spracovaní výročnej správy o hospodárení]

[Stanoviská orgánov v. v. i.]

[Údaje a elektronický podpis riaditeľa organizácie]

PRÍLOHY K ČASTI B

B-1 Ročná účtovná závierka

19. Základné informácie o hospodárení organizácie

(v zmysle §20, ods. 1 zákona č. 431/2002 Z. z. o účtovníctve)

19.1 Prehľad základných finančných ukazovateľov

	k 31. 12. 2025	k 31. 12. 2024
Finančné výsledky (v euro)		
Aktíva	489.422,40	436.477,89
Neobežný majetok	114.809,51	114.917,51
Dlhodobý nehmotný majetok	0,00	0,00
Dlhodobý hmotný majetok	114.809,51	114.917,51
Dlhodobý finančný majetok	0,00	0,00
Obežný majetok	370.314,56	317.343,23
Zásoby	627,36	644,20
Dlhodobé pohľadávky	0,00	0,00
Krátkodobé pohľadávky	28.108,52	29.361,97
Finančné účty	341.578,68	287.337,06
Časové rozlíšenie	4.298,33	4.217,15
Pasíva	489.422,40	436.477,89
Vlastné imanie	170.032,15	174.133,42
Základné imanie	24.140,78	24.140,78
Nevysporiadaný HV minulých rokov	149.992,64	163.202,62
Výsledok hospodárenia za účtovné obdobie	- 4.101,27	- 13.209,98
Závazky	7.132,35	57.489,68
Dlhodobé záväzky	3.511,18	3.807,80
Krátkodobé záväzky	3.621,17	53.681,88
Bankové úvery a iná výpomoc a pôžičky	0,00	0,00
Časové rozlíšenie	312.257,90	204.854,79
Výkaz ziskov a strát		
Výsledok hospodárenia z hlavnej činnosti	- 4.101,27	- 13.209,98
Tržby z predaja tovarov a služieb	28.400,95	14.930,08
Iné ostatné výnosy	1.431,09	1.770,09
Dotácie	2.449.065,56	2.221.046,01
Prijaté príspevky od právnických osôb	16.218,68	19.779,35
Celkové náklady účtovná trieda 5.	2.499.217,55	2.270.735,51
Výsledok hospodárenia pred zdanením	- 4.101,27	- 13.209,98
Výsledok hospodárenia pred zdanením	- 4.101,27	- 13.209,98
Výsledok hospodárenia po zdanení	- 4.101,27	- 13.209,98
Pomerové ukazovatele		
Rentabilita aktív (ROA)	- 0,84	- 3,02
Rentabilita vlastného imania (ROE)	- 2,41	- 7,58

19.2 Ďalšie informácie o stave a vývoji organizácie z hľadiska hospodárenia

a) Udalosti osobitného významu po 31. 12. 2025 z hľadiska hospodárenia organizácie

Po uzavretí účtovného obdobia kalendárneho roka 2025 nenastali udalosti zásadného významu z hľadiska hospodárenia organizácie.

b) Predpokladaný budúci vývoj organizácie v roku 2026

Organizácia bude pokračovať v svojich aktivitách v súlade so zakladacou listinou a hlavným predmetom činnosti.

c) Náklady na činnosť v oblasti výskumu a vývoja

V súlade so zameraním inštitúcie sú všetky náklady v. v. i. vykazované v časti výkazu ziskov a strát účtovnej závierky nákladmi na činnosť v oblasti výskumu a vývoja.

d) Návrh na rozdelenie zisku alebo vyrovnanie straty

O rozdelení zisku alebo vyrovnávaní strát rozhoduje správna rada v spolupráci s dozornou radou organizácie, v súlade so zákonom č. 243/2017 Z. z. o verejnej výskumnej inštitúcii.

e) Ostatné informácie súvisiace s hospodárením v. v. i.

f) Informácia o konsolidácii účtovníctva organizácie:

Rozpočet organizácie je súčasťou konsolidovaného celku rozpočtovej kapitoly SAV.

20. Prehľad príjmov a výdavkov

(v zmysle § 27, ods. 4, písm. g zákona č. 243/2017 Z. z. o verejnej výskumnej inštitúcii)

	FP k 01.01.2025	Schválený rozpočet	Upravený rozpočet	Skutočnosť	Zostatok FP k 31.12.2025
Príjmy spolu	230 668,81	1 690 303,00	2 607 401,43	2 602 375,25	337 975,40
Z toho:					
ŠR ZDROJ 131	2 306,22	x	x	x	0,00
ŠR ZDROJ 111 (IFP)	x	1 512 921,00	1 780 796,14	1 780 796,14	0,00
ŠR ZDROJ 111 (VZ)	0,00	80 632,00	142 172,00	142 172,00	0,00
ŠR ZDROJ 111 (APVV)	0,00	79 850,00	166 367,00	166 367,00	234,93
ŠR ZDROJ 111 (MH SR)	0,00	0,00	0,00	0,00	0,00
ŠR ZDROJ 13S1	706,36	0,00	0,00	0,00	706,36
ŠR ZDROJ 13S2	124,65	0,00	0,00	0,00	124,65
ŠR ZDROJ 3P01	106 204,35	0,00	450 897,95	450 897,95	206 520,93
ŠR ZDROJ 3P02	3 872,90	0,00	3 621,37	0,00	1 632,91
ŠR ZDROJ 1P02	0,00	0,00	15 008,58	15 008,58	13 602,32
Spolu zo ŠR	113 214,48	1 673 403,00	2 558 863,04	2 555 241,67	222 822,10
Zahraničie ZDROJ 35	383,00	0,00	0,00	0,00	383,00
Zahraničie ZDROJ 11GR	x	0,00	25 651,54	25 651,54	0,00
Vlastné zdroje ZDROJ 46	29 368,89	16 900,00	22 886,85	21 482,04	27 067,86
Vlastné zdroje ZDROJ 43	87 702,44	0,00	0,00	0,00	87 702,44
Výdavky spolu	x	1 690 303,00	2 607 401,43	2 495 068,66	337 975,40
Z toho:					
ŠR ZDROJ 131	x	x	x	2 306,22	0,00
ŠR ZDROJ 111 (IFP)	x	1 512 921,00	1 780 796,14	1 780 796,14	0,00
ŠR ZDROJ 111 (VZ)	x	80 632,00	142 172,00	142 172,00	0,00
ŠR ZDROJ 111 (APVV)	x	79 850,00	166 367,00	166 132,07	234,93
ŠR ZDROJ 111 (MH SR)	x	0,00	0,00	0,00	0,00
ŠR ZDROJ 13S1	x	0,00	0,00	0,00	706,36
ŠR ZDROJ 13S2	x	0,00	0,00	0,00	124,65
ŠR ZDROJ 3P01	x	0,00	450 897,95	350 581,37	206 520,93
ŠR ZDROJ 3P02	x	0,00	3 621,37	2 239,99	1 632,91
ŠR ZDROJ 1P02	x	0,00	15 008,58	1 406,26	13 602,32
Spolu zo ŠR	x	1 673 403,00	2 558 863,04	2 445 634,05	222 822,10
Zahraničie ZDROJ 35	x	0,00	0,00	0,00	383,00
Zahraničie ZDROJ 11GR	x	0,00	25 651,54	25 651,54	0,00
Vlastné zdroje ZDROJ 46	x	16 900,00	22 886,85	23 783,07	27 067,86
Vlastné zdroje ZDROJ 43	x	0,00	0,00	0,00	87 702,44

Príjmy a výdavky (v zmysle zákona č. 243/2017 Z. z.)	Príjmy	Výdavky
z hlavnej činnosti okrem druhého a tretieho bodu	2 607 401,43	2 495 068,66
činnosti podľa § 2 ods. 1 písm. a) zákona		
činnosti podľa § 2 ods. 1 písm. b) zákona		
činnosti podľa § 2 ods. 1 písm. c) zákona		
činnosti podľa § 2 ods. 1 písm. d) zákona		
činnosti podľa § 2 ods. 1 písm. e) zákona		

21. Pohyb a konečný stav majetku

(v zmysle § 27, ods. 4, písm. h zákona č. 243/2017 Z. z. o verejnej výskumnej inštitúcii)

Hodnota majetku brutto na strane aktív k 31.12.2025 predstavuje sumu 2.520.313,51 Eur, čo v porovnaní so stavom k 31.12.2024 predstavuje nárast o 86.308,55 Eur, t. j. o 3,55 %.

Dlhodobý nehmotný majetok zahŕňa Softvér v nezmenenej brutto hodnote 12.106,87 Eur.

Dlhodobý hmotný majetok je v brutto hodnote 2.133.593,75 Eur a zaznamenal nárast o 33.256,04 Eur, t. j. o 1,58 %. Pozemky, Umelecké diela a zbierky, Stavby, Dopravné prostriedky a Ostatný dlhodobý hmotný majetok sú v nezmenenej hodnote, Samostatné hnutelné veci predstavujú nárast o 33.256,04 Eur.

Zásoby zahŕňajú nespotrebované pohonné hmoty v hodnote 373,57 a Antigénové testy v hodnote 253,79 Eur a zaznamenali pokles o 16,84 Eur, t. j. o 2,61 %.

Krátkodobé pohľadávky v hodnote 28.108,52 zaznamenali pokles o 1.253,45 Eur, t. j. o 4,27 % a zahŕňajú pohľadávky z obchodného styku.

Finančné účty sú v hodnote 341.578,68 Eur a zaznamenali nárast o 54.241,62 Eur, t. j. o 18,88 %.

Zahŕňajú zostatok finančných prostriedkov na bankových účtoch v Štátnej pokladnici spolu vo výške 341.486,58 Eur a Ceniny – poštové známky vo výške 92,10 Eur.

Časové rozlíšenie predstavujú Náklady budúcich období vo výške 4.298,33 Eur a ich nárast bol vo výške 81,18 Eur, t. j. o 1,92 %.

Majetok

(celkové aktíva brutto)

	2025	2024
Celkové aktíva (Eur)	2.520.313,51	2.434.004,96
Nárast aktív (%)	3,55 %	%
Pokles aktív (%)	%	5,12 %

Štruktúra majetku

(aktíva brutto)

	2025 (Eur)	2024 (Eur)	Rozdiel 2025/2024 (Eur)	Rozdiel 2025/2024 (%)
Dlhodobý nehmotný majetok	12.106,87	12.106,87	0,00	0,00
Dlhodobý hmotný majetok	2.133.593,75	2.100.337,71	33.256,04	1,58
Dlhodobý finančný majetok	0,00	0,00	0,00	0,00
Zásoby	627,36	644,20	- 16,84	- 2,61
Dlhodobé pohľadávky	0,00	0,00	0,00	0,00
Krátkodobé pohľadávky	28.108,52	29.361,97	- 1.253,45	- 4,27
Finančné účty	341.578,68	287.337,06	54.241,62	18,88
Časové rozlíšenie	4.298,33	4.217,15	81,18	1,92
Aktíva (Majetok brutto)	2.520.313,51	2.434.004,96	86.308,55	3,55 %

Hodnota majetku netto na strane aktív k 31.12.2025 predstavuje sumu 489.422,40 Eur, čo v porovnaní so stavom k 31.12.2024 predstavuje nárast o 52.944,51 Eur, t. j. o 12,13 %.

Dlhodobý nehmotný majetok predstavuje v netto hodnote nulovú zostatkovú cenu plne odpísaného dlhodobého nehmotného majetku.

Dlhodobý hmotný majetok je v netto hodnote 114.809,51 Eur a zaznamenal pokles o 108,00 Eur, t. j. o 0,09 %. Pozemky a Umelecké diela a zbierky sú v nezmenenej hodnote, netto hodnota Stavieb je vo výške 8.525,01 Eur, Samostatné hnutelné veci majú netto hodnotu 35.882,22 Eur, Dopravné prostriedky 38.146,50 Eur a Ostatný dlhodobý hmotný majetok je v netto hodnote 8.115,00 Eur.

Pri ostatných položkách majetku je netto hodnota rovnaká ako brutto hodnota a porovnanie ich nárastu alebo poklesu je popísané vyššie pri hodnote majetku brutto.

Majetok

(celkové aktíva netto)

	2025	2024
Celkové aktíva (Eur)	489.422,40	436.477,89
Nárast aktív (%)	12,13 %	%
Pokles aktív (%)	%	30,27 %

Štruktúra majetku

(aktíva netto)

	2025 (Eur)	2024 (Eur)	Rozdiel 2025/2024 (Eur)	Rozdiel 2025/2024 (%)
Dlhodobý nehmotný majetok	0,00	0,00	0,00	0,00
Dlhodobý hmotný majetok	114.809,51	114.917,51	- 108,00	- 0,09
Dlhodobý finančný majetok	0,00	0,00	0,00	0,00
Zásoby	627,36	644,20	- 16,84	- 2,61
Dlhodobé pohľadávky	0,00	0,00	0,00	0,00
Krátkodobé pohľadávky	28.108,52	29.361,97	- 1.253,45	- 4,27
Finančné účty	341.578,68	287.337,06	54.241,62	18,88
Časové rozlíšenie	4.298,33	4.217,15	81,18	1,92
Aktíva (Majetok netto)	489.422,40	436.477,89	52.944,51	12,13 %

22. Opatrenia na odstránenie nedostatkov v hospodárení a správa o plnení opatrení prijatých na odstránenie nedostatkov z predchádzajúceho roku

(v zmysle § 27, ods. 4, písm. i zákona č. 243/2017 Z. z. o verejnej výskumnej inštitúcii)

V organizácii nebola za hodnotené obdobie vykonaná žiadna kontrola externými organizáciami, preto nebolo potrebné prijímať žiadne opatrenia.

23. Ďalšie údaje o hospodárení organizácie

(v zmysle § 27, ods. 4, písm. j zákona č. 243/2017 Z. z. o verejnej výskumnej inštitúcii)

23.1. Výdavky organizácie – štruktúra zdrojov

Tabuľka 23a Výdavky organizácie podľa štruktúry zdrojov (skutočnosť k 31. 12. 2025 v €)

Typ organizácie (v.v.i.)		Zdroje, z ktorých sa kryli jednotlivé výdavky			
Výdavky	Spolu	kapitola SAV (111)	iné štátne a verejné zdroje	ostatné zdroje	% krytia z kapitoly SAV
1. Bežné výdavky	2.461.812,62	1.898.894,61	513.483,40	49.434,61	77,13
Z toho:					
mzdy (610)	1.319.755,41	1.088.976,00	223.704,49	7.074,92	82,51
vedecká výchova štipendiá (640)	110.126,40	95.640,40	10.724,00	3.762,00	86,85
poistné a príspevok do poisťovní (620)	479.948,21	394.017,99	82.444,64	3.485,58	82,10
tovary a služby (630)	548.637,84	316.945,46	196.580,27	35.112,11	57,77
transfery partnerom projektov (640)	0,00	0,00	0,00	0,00	0,00
2. Kapitálové výdavky	33.256,04	26.000,00	7.256,04	0,00	78,18
Z toho:					
obstarávanie kapitálových aktív	33.256,04	26.000,00	7.256,04	0,00	78,18
kapitálové transfery	0,00	0,00	0,00	0,00	0,00

23.2. Zdroje financovania organizácie

Tabuľka 23b Zdroje financovania organizácie (skutočnosť k 31. 12. 2025 v €)

Typ organizácie (v.v.i.)		Z toho kategórie			
Zdroje	Spolu	Kapitálové zdroje	zdroje na mzdy (610)	zdroje na odvody do poisťovní (620)	zdroje na transfery partnerom projektov
1. kapitola SAV (111)	1.924.894,61	26.000,00	1.088.976,00	394.017,99	0,00
Z toho:					
VEGA	134.842,00	0,00	0,00	170,36	0,00
MVTS výskumné projekty	16.312,00	0,00	0,00	741,12	0,00
MVTS podpora	0,00	0,00	0,00	0,00	0,00
SASPRO/MOREPRO/IMPULZ	0,00	0,00	0,00	0,00	0,00
Vydávanie časopisov	9.200,00	0,00	0,00	0,00	0,00
Doktorandské štúdium (štipendiá)	95.640,40	0,00	0,00	0,00	0,00
OTAS (630)	100.872,72	0,00	0,00	4.514,50	0,00
Iné	180.866,18	26.000,00	74.348,00	26.725,91	0,00
2. ŠF EÚ vr. fin. zo ŠR	0,00	0,00	0,00	0,00	0,00
3. medzinárodné grantové projekty	29.651,54	0,00	4.074,92	2.399,58	0,00
Z toho:					
H2020	0,00	0,00	0,00	0,00	0,00
Iné	29.651,54	0,00	4.074,92	2.399,58	0,00
4. iné štátne a verejné zdroje (spolu)	581.518,53	7.256,04	223.704,49	82.444,64	0,00
Z toho:					
APVV	115.612,00	0,00	36.300,00	15.096,69	0,00
podpora z kapitoly MŠVVaŠ SR (stimuly)	0,00	0,00	0,00	0,00	0,00
Iné	465.906,53	7.256,04	187.404,49	67.347,95	0,00
5. ostatné zdroje	17.482,04	0,00	3.000,00	1.086,00	0,00
Z toho:					
príjmy z prenájmu	0,00	0,00	0,00	0,00	0,00
príjmy z podnikateľskej činnosti	0,00	0,00	0,00	0,00	0,00
príjmy z expertnej činnosti a služieb	17.482,04	0,00	3.000,00	1.086,00	0,00
Iné	0,00	0,00	0,00	0,00	0,00

23.3 Ostatné údaje o hospodárení organizácie

Nerelevantné.

Výročnú správu o hospodárení organizácie zostavil(i):

Parazitologický ústav SAV, v. v. i.: MVDr. Emília Dvorožňáková, PhD.

Technicko-hospodárska správa organizácií SAV v Košiciach: JUDr. Glória Gajdošová,

Ing. Ľudmila Ľachová, Katarína Došová Gencková

Stanoviská orgánov v. v. i. k výročnej správe o činnosti a hospodárení organizácie:

Stanovisko správnej rady

Správna rada Parazitologického ústavu SAV, v. v. i. (PaÚ SAV, v. v. i.) na svojom zasadnutí dňa 29.5.2026 skonštatovala, že predložená výročná správa poskytuje potrebný prehľad a požadované údaje o činnosti a hospodárení PaÚ SAV, v. v. i. v roku 2025.

RNDr. Mikuláš Oros, DrSc., predseda Správnej rady PaÚ SAV, v. v. i.

Stanovisko vedeckej rady

Vedecká rada Parazitologického ústavu SAV, v. v. i. (PaÚ SAV, v. v. i.) na svojom zasadnutí dňa 8.6.2026 skonštatovala, že predložená výročná správa poskytuje potrebný prehľad a požadované údaje o činnosti a hospodárení PaÚ SAV, v. v. i. v roku 2025.

MVDr. Martina Miterpáková, DrSc., predsedníčka Vedeckej rady PaÚ SAV, v. v. i.

Stanovisko dozornej rady

Dozorná rada Parazitologického ústavu SAV, v. v. i. (PaÚ SAV, v. v. i.) na svojom zasadnutí dňa 30.7.2026 skonštatovala, že predložená výročná správa poskytuje potrebný prehľad a požadované údaje o činnosti a hospodárení PaÚ SAV, v. v. i. v roku 2025.

MUDr. Mgr. Tomáš Hromádka, PhD., predseda Dozornej rady PaÚ SAV, v. v. i.

Košice, 30.7.2026

prof. MVDr. Marián Várady, DrSc.
riaditeľ PaÚ SAV, v. v. i.

MVDr. Emília Dvorožňáková, PhD.
poverená riadením PaÚ SAV, v. v. i.

PRÍLOHY K ČASTI B

Príloha B-1 Ročná účtovná zvierka

Príloha B-1 Ročná účtovná závierka

ÚČTOVNÁ ZÁVIERKA

neziskovej účtovnej jednotky účtujúcej
v sústave podvojného účtovníctva

zostavená k 31.12.2025

Daňové identifikačné číslo	Účtovná závierka	Mesiac Rok
IČO	☒ riadna	od 01 2025
00586951	☐ mimoriadna	do 12 2025
SK NACE	☐ priebežná	Bezprostredne predchádzajúce obdobie
.	(vyznačí sa x)	od 01 2024
.		do 12 2024

Priložené súčasti účtovnej závierky		
☒ Súvaha (Úč NUJ 1-01) (v eurocentoch)	☒ Výkaz ziskov a strát (Úč NUJ 2-01) (v eurocentoch)	☒ Poznámky (Úč NUJ 3-01) (v celých eurách alebo eurocentoch)

Názov účtovnej jednotky
Parazitologický ústav SAV, v. v. i.
Košice

Sídlo účtovnej jednotky	
Ulica	Číslo
Hlinkova	3
PSČ	Obec
04001	Košice
Telefónne číslo	
6331411	
E-mailová adresa	

Zostavená dňa:	Schválená dňa:	Podpisový záznam štatutárneho orgánu alebo člena štatutárneho orgánu účtovnej jednotky:
30.01.2026	30.04.2026	

Strana aktív		č.r.	Bežné účtovné obdobie			Bezprostredne predchádzajúce účtovné obdobie
			Brutto	Korekcia	Netto	Netto
a		b	1	2	3	4
A. NEOBEŽNÝ MAJETOK SPOLU r. 002 + r. 009 + r. 021		001	2145700.62	2030891.11	114809.51	114917.51
A.I.	Dlhodobý nehmotný majetok r. 003 až r. 008	002	12106.87	12106.87		
A.I.1.	Nehmotné výsledky z vývojovej a obdobnej činnosti 012 - (072+091AÚ)	003				
2.	Softvér 013 - (073+091AÚ)	004	12106.87	12106.87		
3.	Oceniteľné práva 014 - (074 + 091AÚ)	005				
4.	Ostatný dlhodobý nehmotný majetok (018+ 019)-(078 + 079 + 091 AÚ)	006				
5.	Obstaranie dlhodobého nehmotného majetku (041-093)	007				
6.	Poskytnuté preddavky na dlhodobý nehmotný majetok (051-095AÚ)	008				
A.II.	Dlhodobý hmotný majetok r. 010 až r. 020	009	2133593.75	2018784.24	114809.51	114917.51
A.II.1.	Pozemky (031)	010	19894.78		19894.78	19894.78
2.	Umelecké diela a zbierky (032)	011	4246		4246	4246
3.	Stavby 021 - (081 - 092AÚ)	012	21182.4	12657.39	8525.01	9089.01
4.	Samostatné hnutelné veci a súbory hnutelných vecí 022 - (082 + 092AÚ)	013	1939651.22	1903769	35882.22	14678.22
5.	Dopravné prostriedky 023 - (083 + 092AÚ)	014	138779.35	100632.85	38146.5	58066.5
6.	Pestovateľské celky trvalých porastov 025 - (085 + 092AÚ)	015				
7.	Základné stádo a ťažné zvieratá 026 - (086 + 092AÚ)	016				
8.	Drobný dlhodobý hmotný majetok 028 - (088 + 092AÚ)	017				
9.	Ostatný dlhodobý hmotný majetok 029 - (089 +092AÚ)	018	9840	1725	8115	8943
10.	Obstaranie dlhodobého hmotného majetku (042 - 094)	019				
11.	Poskytnuté preddavky na dlhodobý hmotný majetok (052 - 095AÚ)	020				
A.III.	Dlhodobý finančný majetok r. 022 až r. 028	021				
A.III.1.	Podielové cenné papiere a podiely v obchodných spoločnostiach v ovládanej osobe (061- 096 AÚ)	022				
2.	Podielové cenné papiere a podiely v obchodných spoločnostiach s podstatným vplyvom (062 - 096 AÚ)	023				
3.	Dlhové cenné papiere držané do splatnosti (065 - 096 AÚ)	024				
4.	Pôžičky podnikom v skupine a ostatné pôžičky (066 + 067) - 096 AÚ	025				
5.	Ostatný dlhodobý finančný majetok (069 - 096 AÚ)	026				
6.	Obstaranie dlhodobého finančného majetku (043 - 096 AÚ)	027				
7.	Poskytnuté preddavky na dlhodobý finančný majetok (053 - 096 AÚ)	028				

Strana aktív		č.r.	Bežné účtovné obdobie			Bezprostredne predchádzajúce účtovné obdobie
			Brutto	Korekcia	Netto	Netto
a		b	1	2	3	4
B. OBEŽNÝ MAJETOK SPOLU r. 030+ r. 037+ r. 042 + r. 051		029	370314.56		370314.56	317343.23
B.I.	Zásoby r. 031 až r. 036	030	627.36		627.36	644.2
B.I.1.	Materiál (112 + 119) - 191	031	627.36		627.36	644.2
2.	Nedokončená výroba a polotovary vlastnej výroby (121+122) - (192 +193)	032				
3.	Výrobky (123 - 194)	033				
4.	Zvieratá (124 - 195)	034				
5.	Tovar (132 + 139) - 196	035				
6.	Poskytnuté prevádzkové preddavky na zásoby (314 AÚ - 391 AÚ)	036				
B.II.	Dlhodobé pohľadávky r. 038 až r. 041	037				
B.II.1.	Pohľadávky z obchodného styku (311 AÚ až 314 AÚ) - 391 AÚ	038				
2.	Ostatné pohľadávky (315 AÚ - 391AÚ)	039				
3.	Pohľadávky voči účastníkom združení (358AÚ - 391AÚ)	040				
4.	Iné pohľadávky (335 AÚ + 373 AÚ + 375 AÚ + 378AÚ) - 391AÚ	041				
B.III.	Krátkodobé pohľadávky r. 043 až r. 050	042	28108.52		28108.52	29361.97
B.III.1.	Pohľadávky z obchodného styku (311AÚ až 314 AÚ) - 391AÚ	043	28108.52		28108.52	28108.52
2.	Ostatné pohľadávky (315 AÚ - 391 AÚ)	044				
3.	Zúčtovanie so Sociálnou poisťovňou a zdravotnými poisťovňami (336)	045				
4.	Daňové pohľadávky (341 až 345)	046				
5.	Pohľadávky z dôvodu finančných vzťahov k štátnemu rozpočtu a rozpočtom územnej samosprávy (346+ 348)	047				
6.	Pohľadávky voči účastníkom združení (358 AÚ - 391AÚ)	048				
7.	Spojovací účet pri združení (396 - 391AÚ)	049				
8.	Iné pohľadávky (335AÚ + 373AÚ + 375AÚ + 378AÚ) - 391AÚ	050				1253.45
B.IV.	Finančné účty r. 052 až r. 056	051	341578.68		341578.68	287337.06
B.IV.1.	Pokladnica (211 + 213)	052	92.1		92.1	2105.45
2.	Bankové účty (221 AÚ + 261)	053	341486.58		341486.58	285231.61
3.	Bankové účty s dobou viazanosti dlhšou ako jeden rok (221 AÚ)	054				
4.	Krátkodobý finančný majetok(251+ 253 + 255AÚ+ 256 + 257) - 291AÚ	055				
5.	Obstaranie krátkodobého finančného majetku (259 - 291AÚ)	056				
C. ČASOVÉ ROZLIŠENIE SPOLU r. 058 a r. 059		057	4298.33		4298.33	4217.15
C.1.	Náklady budúcich období (381)	058	4298.33		4298.33	4217.15
2.	Príjmy budúcich období (385)	059				
MAJETOK SPOLU r. 001 + r. 029 + r. 057		060	2520313.51	2030891.11	489422.4	436477.89

Strana pasív		č.r.	Bežné účtovné obdobie	Bezprostredne predchádzajúce účtovné obdobie
a		b	5	6
A. VLASTNÉ IMANIE r. 062+ r. 067 + r. 071 + r. 072		061	170032.15	174133.42
A.I. Imanie a fondy r. 063 až r. 066		062	24140.78	24140.78
A.I.1. Základné imanie (411)		063	24140.78	24140.78
2. Fondy tvorené podľa osobitných predpisov (412)		064		
3. Fond reprodukcie (413)		065		
4. Oceňovacie rozdiely z precenenia kapitálových účastín (415)		066		
A.II. Fondy tvorené zo zisku r. 068 až r. 070		067		
A.II.1. Rezervný fond (421)		068		
2. Fondy tvorené zo zisku (423)		069		
3. Ostatné fondy (427)		070		
A.III. Nevysporiadaný výsledok hospodárenia minulých rokov (+; - 428)		071	149992.64	163202.62
A.IV. Výsledok hospodárenia za účtovné obdobie r. 060 - (r. 062 + r. 067 + r. 071 + r. 073 + r. 100)		072	-4101.27	-13209.98
B. ZÁVÄZKY r. 074 + r. 078 + r. 086 + r. 096		073	7132.35	57489.68
B.I.1. Rezervy r. 075 až r. 077		074		
2. Rezervy zákonné (451AÚ)		075		
3. Ostatné rezervy (459AÚ)		076		
4. Krátkodobé rezervy (323 + 451AÚ + 459AÚ)		077		
B.II. Dlhodobé záväzky r. 079 až r. 085		078	3511.18	3807.8
B.II.1. Záväzky zo sociálneho fondu (472)		079	3511.18	3807.8
2. Vydané dlhopisy (473 - 255 AÚ)		080		
3. Záväzky z nájmu (474 AÚ)		081		
4. Dlhodobé prijaté preddavky (475)		082		
5. Dlhodobé nevyfakturované dodávky (476 AÚ)		083		
6. Dlhodobé zmenky na úhradu (478)		084		
7. Ostatné dlhodobé záväzky (373 AÚ + 479 AÚ)		085		
B.III. Krátkodobé záväzky r. 087 až r. 095		086	3621.17	53681.88
B.III.1. Záväzky z obchodného styku (321 až 326) okrem 323		087	3621.17	2926.88
2. Záväzky voči zamestnancom (331+ 333)		088		
3. Zúčtovanie so Sociálnou poisťovňou a zdravotnými poisťovňami (336)		089		
4. Daňové záväzky (341 až 345)		090		
5. Záväzky z dôvodu finančných vzťahov k štátnemu rozpočtu a rozpočtom územnej samosprávy (346+348)		091		50755
6. Záväzky z upísaných nesplatených cenných papierov a vkladov (367)		092		
7. Záväzky voči účastníkom združení (368)		093		
8. Spojovací účet pri združení (396)		094		
9. Ostatné záväzky (379 + 373 AÚ + 474 AÚ +476AÚ + 479 AÚ)		095		
B.IV. Bankové úvery a iné výpomoci a pôžičky r. 097 až r. 099		096		
B.IV.1. Dlhodobé bankové úvery (461AÚ)		097		
2. Bežné bankové úvery (231+ 232 + 461AÚ)		098		
3. Prijaté krátkodobé finančné výpomoci (241+ 249)		099		
C. ČASOVÉ ROZLIŠENIE SPOLU r. 101 až r. 103		100	312257.9	204854.79
C.I.1. Výdavky budúcich období (383)		101		
2. Výnosy budúcich období krátkodobé (384 AÚ)		102	223207.17	115864.06
3. Výnosy budúcich období dlhodobé (384 AÚ)		103	89050.73	88990.73
SPOLU VLASTNÉ IMANIE, ZÁVÄZKY A ÚČTY ČASOVÉHO ROZLIŠENIA r.061+ r.073 + r.100		104	489422.4	436477.89

Číslo účtu	Náklady	Číslo riadku	Činnosť			Bezprostredne predchádzajúce účtovné obdobie
			Hlavná nezdaňovaná	Zdaňovaná	Spolu	
a	b	c	1	2	3	4
501	Spotreba materiálu	01	180887.75		180887.75	177520.95
502	Spotreba energie	02	52977.91		52977.91	56769.92
504	Predaný tovar	03				
511	Opravy a udržiavanie	04	44017.24		44017.24	64149.09
512	Cestovné	05	58943.79		58943.79	37204.83
513	Náklady na reprezentáciu	06	289.68		289.68	181.05
518	Ostatné služby	07	132090.86		132090.86	103707.25
521	Mzdové náklady	08	1346043.22		1346043.22	1194274.6
524	Zákonné sociálne poistenie a zdravotné poistenie	09	479948.21		479948.21	422154.92
525	Ostatné sociálne poistenie	10				
527	Zákonné sociálne náklady	11	50104.1		50104.1	45178.9
528	Ostatné sociálne náklady	12				
531	Daň z motorových vozidiel	13				
532	Daň z nehnuteľností	14				
538	Ostatné dane a poplatky	15	3989.39		3989.39	4372.94
541	Zmluvné pokuty a penále	16				
542	Ostatné pokuty a penále	17	3.24		3.24	
543	Odpísanie pohľadávky	18				
544	Úroky	19				
545	Kurzové straty	20	200.19		200.19	96.76
546	Dary	21				
547	Osobitné náklady	22	530		530	
548	Manká a škody	23				
549	Iné ostatné náklady	24	115827.93		115827.93	107143.2
551	Odpisy dlhodobého nehmotného majetku a dlhodobého hmotného majetku	25	33364.04		33364.04	57981.1
552	Zostatková cena predaného dlhodobého nehmotného majetku a dlhodobého hmotného majetku	26				
553	Predané cenné papiere	27				
554	Predaný materiál	28				
555	Náklady na krátkodobý finančný majetok	29				
556	Tvorba fondov	30				
557	Náklady na precenenie cenných papierov	31				
558	Tvorba a zúčtovanie opravných položiek	32				
561	Poskytnuté príspevky organizačným zložkám	33				
562	Poskytnuté príspevky iným účtovným jednotkám	34				
563	Poskytnuté príspevky fyzickým osobám	35				
565	Poskytnuté príspevky z podielu zaplatenej dane	36				
567	Poskytnuté príspevky z verejnej zbierky	37				
Účtová trieda 5 spolu r. 01 až r. 37		38	2499217.55		2499217.55	2270735.51

Číslo účtu	Výnosy	Číslo riadku	Činnosť			Bezprostredne predchádzajúce účtovné obdobie
			Hlavná nezdaňovaná	Zdaňovaná	Spolu	
a	b	c	1	2	3	4
601	Tržby za vlastné výrobky	39				
602	Tržby z predaja služieb	40	28400.95		28400.95	14930.08
604	Tržby za predaný tovar	41				
611	Zmena stavu zásob nedokončenej výroby	42				
612	Zmena stavu zásob polotovarov	43				
613	Zmena stavu zásob výrobkov	44				
614	Zmena stavu zásob zvierat	45				
621	Aktivácia materiálu a tovaru	46				
622	Aktivácia vnútroorganizačných služieb	47				
623	Aktivácia dlhodobého nehmotného majetku	48				
624	Aktivácia dlhodobého hmotného majetku	49				
641	Zmluvné pokuty a penále	50				
642	Ostatné pokuty a penále	51				
643	Platby za odpísané pohľadávky	52				
644	Úroky	53				
645	Kurzové zisky	54				
646	Prijaté dary	55				4.04
647	Osobitné výnosy	56				
648	Zákonné poplatky	57				
649	Iné ostatné výnosy	58	1431.09		1431.09	1766.05
651	Tržby z predaja dlhodobého nehmotného majetku a dlhodobého hmotného majetku	59				
652	Výnosy z dlhodobého finančného majetku	60				
653	Tržby z predaja cenných papierov a podielov	61				
654	Tržby z predaja materiálu	62				
655	Výnosy z krátkodobého finančného majetku	63				
656	Výnosy z použitia fondu	64				
657	Výnosy z precenenia cenných papierov	65				
658	Výnosy z nájmu majetku	66				
661	Prijaté príspevky od organizačných zložiek	67				
662	Prijaté príspevky od právnických osôb	68	16218.68		16218.68	19779.35
663	Prijaté príspevky od fyzických osôb	69				
664	Prijaté členské príspevky	70				
665	Príspevky z podielu zaplatenej dane	71				
667	Prijaté príspevky z verejných zbierok	72				
691	Dotácie	73	2449065.56		2449065.56	2221046.01
Účtová trieda 6 spolu r. 39 až r. 73		74	2495116.28		2495116.28	2257525.53
Výsledok hospodárenia pred zdanením r. 74 - r. 38		75	-4101.27		-4101.27	-13209.98
591	Daň z príjmov	76				
595	Dodatočné odvody dane z príjmov	77				
Výsledok hospodárenia po zdanení (r. 75 - (r. 76 + r. 77)) (+/-)		78	-4101.27		-4101.27	-13209.98

Poznámky k účtovnej závierke k 31.12.2025**Článok I**
Všeobecné informácie***(1) Identifikačné údaje účtovnej jednotky***

Názov účtovnej jednotky: **Parazitologický ústav Slovenskej akadémie vied, v. v. i.**

Sídlo účtovnej jednotky: Hlinkova 3, 040 01 Košice

IČO: 00586951

Dátum zriadenia: 1.1.1953

Spôsob založenia: Podľa zákona o SAV, zakladateľom zakladacou listinou.

Názov zakladateľa: Slovenská akadémia vied

Sídlo zakladateľa: Štefánikova 49, 814 38 Bratislava

Účtovná jednotka je súčasťou konsolidovaného celku kapitoly Slovenská akadémia vied.

Právny dôvod zostavenia účtovnej závierky:

Účtovná závierka je zostavená ako riadna účtovná závierka za účtovné obdobie od 1. januára do 31. decembra 2025 podľa zákona č. 431/2002 Z. z. o účtovníctve.

(2) Informácie o členoch štatutárnych orgánov, dozorných orgánov a iných orgánov účtovnej jednotky

- Informácie o členoch štatutárnych orgánov: riaditeľ - MVDr. Emília Dvorožňáková, PhD.
zástupkyňa riaditeľa - RNDr. Ivica Hromadová, DrSc.
- Informácie o členoch dozornej rady: predseda - prof. RNDr. Karol Marhold, DrSc.
členovia - prof. RNDr. Milada Holecová, CSc.
Ing. Ľubica Konečná
- Informácie o členoch správnej rady: predseda - RNDr. Mikuláš Oros, DrSc.
členovia - MVDr. Daniela Antolová, DrSc.
MVDr. Jindřich Šoltys, CSc.
prof. MVDr. Marián Várady, DrSc.
RNDr. Bronislava Víchová, PhD.

(3) Opis činnosti účtovnej jednotky: vedecko – výskumná činnosť

- Ústav je zameraný na základný výskum parazitov a nimi vyvolávaných ochorení ľudí, zvierat a rastlín. Zaoberá sa klasifikáciou, životnými cyklami a životnými prejavmi parazitov.
- Skúma epidemiológiu a epizootológiu parazitárnych ochorení. Ústav sa zaoberá štúdiom terapeutického a profylaktického ovplyvňovania životných prejavov a cyklov parazitov za účelom ochrany zdravia ľudí a zvierat a zníženia negatívnych vplyvov parazitických organizmov na hostiteľov a životné prostredie.
- Ústav sa orientuje na vypracúvanie nových, komplexných systémov ochrany ľudí, zvierat a rastlín pred škodlivým pôsobením parazitov.
- Rozvíja aplikačnú činnosť smerujúcu k rýchlemu zavádzaniu nových poznatkov do praxe.
- Rozvíja spoluprácu s pracoviskami príbuzných vedných odborov, predovšetkým s ústavmi SAV, s vysokými školami a univerzitami doma aj v zahraničí, ako aj so štátnymi a súkromnými inštitúciami.
- Ústav uskutočňuje vedeckú výchovu v zmysle všeobecne platných právnych predpisov.
- Ústav zabezpečuje publikovanie výsledkov vedecko-výchovnej činnosti prostredníctvom periodickej i neperiodickej tlače. Vydávanie periodickej a neperiodickej tlače sa riadi uzneseniami P SAV.

(4) Priemerný prepočítaný počet zamestnancov, a z toho počet vedúcich zamestnancov účtovnej jednotky za účtovné obdobie, za ktoré sa zostavuje účtovná závierka (ďalej len „bežné účtovné obdobie“). Počet dobrovoľníkov vyslaných účtovnou jednotkou a počet dobrovoľníkov, ktorí vykonávali dobrovoľnícku činnosť pre účtovnú jednotku počas bežného účtovného obdobia.

	Bežné účtovné obdobie	Počet hodín vykonávania dobrovoľníckej činnosti
Priemerný prepočítaný počet zamestnancov	49,26	x
z toho počet vedúcich zamestnancov	2	x
Počet dobrovoľníkov vyslaných účtovnou jednotkou	x	x
Počet dobrovoľníkov, ktorí vykonávali dobrovoľnícku činnosť pre účtovnú jednotku počas účtovného obdobia	x	x

(5) Organizačná štruktúra účtovnej jednotky

- **Vedenie ústavu:** Riaditeľ
Zástupkyňa riaditeľa

- **1. Vedeckovýskumný úsek:**
 - 1.1 Oddelenie experimentálnej parazitológie
 - 1.2 Oddelenie parazitárnych chorôb
 - 1.3 Aplikačné centrum pre ochranu zdravia ľudí, zvierat a rastlín pred parazitmi

- **2. Prevádzkový úsek:**
 - 2.1 Sekretariát riaditeľa
 - 2.2 Prevádzkový úsek
 - 2.3 Knižnica
 - 2.4 Redakcia časopisu Helminthologia

(6) Informácia o organizáciách v zriaďovateľskej pôsobnosti účtovnej jednotky

V zriaďovateľskej pôsobnosti účtovnej jednotky nie sú žiadne iné organizácie.

Článok II

Informácie o účtovných zásadách a účtovných metódach

(1) Účtovná závierka bola zostavená za splnenia predpokladu, že účtovná jednotka bude nepretržite pokračovať vo svojej činnosti.

(2) Zmeny účtovných zásad a zmeny účtovných metód s uvedením dôvodu týchto zmien a vyčíslením ich vplyvu na finančnú hodnotu majetku, záväzkov, základného imania a výsledku hospodárenia účtovnej jednotky

- I. Verejné výskumné inštitúcie vedú účtovníctvo v súlade s Postupmi účtovania pre účtovné jednotky nezriadené alebo nezaložené na účel podnikania v zmysle konsolidovaného znenia právneho predpisu: „Opatrenie Ministerstva financií Slovenskej republiky zo 14. novembra 2007 č. MF/24342/2007-74“. Zmeny účtovných metód a zásad nastali z dôvodu usmernení MF SR vydaných počas roka 2024 k tomuto predpisu, ktoré správca kapitoly SAV premietol do Pokynov pre všetky VVI, z dôvodu jednotného vykazovania a dodržiavania zásad opatrnosti vzhľadom ku konsolidovanej účtovnej závierke, ktorú správca kapitoly zostavuje.

Usmernenie č. MF/006583/2024-74 zo dňa 23.1.2024

- **V zmysle tohto usmernenia verejné výskumné inštitúcie, ktoré majú uzavreté s poskytovateľom dotácií viacročné zmluvy o pridelení dotácie účtujú o pohľadávke voči poskytovateľovi dotácie na ročnej báze.** Všetky zaúčtované pohľadávky o pridelení dotácií „prísľuby“ na nasledujúce roky boli v roku 2024 odúčtované, čím sa znížila celková hodnota majetku organizácie.
- Pri dodržaní aktuálneho princípu v rámci účtovného obdobia a vykázania nákladov a výnosov z titulu dotácie a jej použitia v rámci príslušného účtovného obdobia, **bude VVI účtovať predpis dotácie na strane MD 346 a na strane Dal účtu 384. Následne v priebehu účtovného obdobia v časovej a vecnej súvislosti s účtovaním nákladov bude zúčtovávať účet 384 do výnosov na účte 691 – Dotácie.**

Usmernenie č. MF/008411/2024-74 zo dňa 8.3.2024

- V zmysle usmernenia č. MF/24342/2007-74 verejné výskumné inštitúcie, ktoré účtujú o refundačných dotáciách, ktoré boli financované z vlastných zdrojov v minulých účtovných obdobiach, ak sa takáto refundačná dotácia nepoužije v období, v ktorom bola prijatá, VVI je v súlade s §45 ods. 8 opatrenia povinná ju časovo rozlíšiť a preúčtovať prostredníctvom účtu 384 – Výnosy budúcich období.
- **Nakoľko refundácie nie sú vlastným zdrojom, ale transferom, ktorý je VVI pri jeho následnom používaní povinná uvádzať na mesačnej báze vo výkazoch FIN1-12 a súčasne zahrnúť do tabuľky č. 191 odsúhlasovacieho formulára konsolidačného balíka, bude VVI účtovať tieto dotácie na účte 384 – Výnosy budúcich období a následne v časovej a vecnej súvislosti s účtovaním nákladov ich bude zúčtovávať na účte 691 – Dotácie.**

- II. Účtovná jednotka vykonala Interným predpisom o evidencii majetku zmenu v evidencii drobného hmotného a drobného nehmotného majetku. Drobný hmotný a drobný nehmotný majetok sa sleduje v účtovníctve na podsúvahových účtoch a v evidencii majetku od sumy 50,00 EUR. Interný predpis nadobúda platnosť a účinnosť dňa 1.1.2025.

(3)Spôsoby ocenenia jednotlivých položiek majetku a záväzkov

1. Dlhodobý nehmotný a hmotný majetok nakupovaný sa oceňuje obstarávacou cenou. Obstarávacia cena zahŕňa cenu, za ktorú sa majetok obstaral a vedľajšie náklady súvisiace s jeho obstaraním (clo, preprava, montáž, poistné a pod.).
2. Dlhodobý majetok nadobudnutý bezodplatným prevodom pri splynutí, zlúčení, rozdelení alebo pri prevode správy sa oceňuje cenou, v ktorej sa doteraz viedol v účtovníctve. Ak cenu nie je možné zistiť, oceňuje sa reálnou cenou. Dlhodobý majetok obstaraný iným spôsobom (napr. bezodplatne nadobudnutý majetok, novozistený majetok pri inventarizácii) sa oceňuje reálnou cenou. Reálnou hodnotou sa rozumie cena, ktorá sa stanoví kvalifikovaným odhadom, ktorý vychádza z pravidiel zo súčasnej hodnoty budúcich peňažných príjmov z majetku a budúcich peňažných výdavkov na majetok; diskontná sadzba sa určí ako vnútorná miera návratnosti požadovaná investormi pre daný druh majetku ku dňu jeho ocenenia, za ktorú by sa majetok obstaral v čase, keď sa o ňom účtuje.
3. Zásoby sa oceňujú obstarávacou cenou, ktorá zahŕňa cenu obstarania a náklady súvisiace s obstaraním (clo, preprava, poistné a pod.).
4. Pohľadávky pri ich vzniku sa oceňujú menovitou hodnotou.
5. Finančné prostriedky a ceniny sa oceňujú ich menovitou hodnotou.
6. Príjmy budúcich období a náklady budúcich období sa vykazujú vo výške, ktorá je potrebná na dodržanie zásady vecnej a časovej súvislosti s účtovným obdobím.
7. Záväzky pri ich vzniku sa oceňujú ich menovitou hodnotou.

8. Rezervy sú záväzky s neistým časovým vymedzením alebo výškou, tvoria sa na základe opatrnosti a oceňujú sa v očakávanej výške záväzku v sume dostatočnej na jeho splnenie.
9. Výdavky budúcich období a výnosy budúcich období sa vykazujú vo výške, ktorá je potrebná na dodržanie zásady vecnej a časovej súvislosti s účtovným obdobím.
10. Opravné položky k pohľadávkam sa tvoria na základe zásady opatrnosti, vyjadrujú prechodné zníženie ich hodnoty.
11. Účtovná jednotka nie je platiteľom dane z pridanej hodnoty. V prípadoch, keď dodávatelia sú platiteľmi DPH, fakturovaná DPH je súčasťou ocenenia dlhodobého majetku, zásob, nákladov.
12. Prepočet údajov v cudzích menách:

Majetok a záväzky vyjadrené v cudzej mene sa prepočítavajú na menu euro referenčným výmenným kurzom určeným a vyhláseným Európskou centrálnou bankou v deň predchádzajúci dňu uskutočnenia účtovného prípadu resp. v deň, ku ktorému sa zostavuje účtovná závierka. Na ocenenie prírastku cudzej meny nakúpenej za menu euro sa použije kurz, za ktorý bola táto cudzia mena nakúpená, alebo referenčný kurz v deň uzavretia obchodu. Na ocenenie prírastku cudzej meny v mene euro nakúpenej za inú cudziu menu sa použije hodnota inej cudzej meny v eurách alebo sa na ocenenie prírastku cudzej meny v eurách použije referenčný kurz v deň uzavretia obchodu.

(4) Spôsob zostavenia odpisového plánu pre jednotlivé druhy dlhodobého hmotného majetku a dlhodobého nehmotného majetku, pričom sa uvádza doba odpisovania, použité sadzby odpisov a odpisové metódy pri určení odpisov

Odpisy dlhodobého majetku boli stanovené v súlade so zákonom o účtovníctve. Pri stanovení doby odpisovania sa vychádzalo z predpokladanej doby jeho používania a predpokladaného priebehu jeho opotrebenia. Odpisovať sa začína prvým dňom mesiaca, v ktorom bol dlhodobý majetok zaradený do používania. Metóda odpisovania sa používa rovnomerná.

Predpokladaná doba používania dlhodobého majetku

Druh dlhodobého majetku	Doba odpisovania	Sadzba odpisov	Odpisová metóda
Dlhodobý nehmotný majetok	4	25	rovnomerná
Dlhodobý hmotný majetok:	50 (alebo stanovením doby)	2	rovnomerná
• Budovy, inžinierske stavby			
• Stroje, prístroje a zariadenia	4 až 15	25 až 6,66	rovnomerná
• Dopravné prostriedky	4 až 6	25 až 16,66	rovnomerná

Drobný nehmotný majetok do 2.400,00 EUR, ktorý podľa rozhodnutia účtovnej jednotky nie je dlhodobým majetkom, sa účtuje do nákladov na účet 518 – Ostatné služby.

Drobný hmotný majetok do 1.700,00 EUR, ktorý podľa rozhodnutia účtovnej jednotky nie je dlhodobým majetkom, sa účtuje do nákladov na účet 501 – Spotreba materiálu.

(5) Zásady pre zohľadnenie zníženia hodnoty majetku. Uvádza sa, či účtovná jednotka uplatňuje opravné položky a rezervy

Účtovná jednotka neuplatňuje opravné položky a rezervy.

(6) Informácie o účtovaní opráv významných chýb minulých účtovných období v bežnom účtovnom období s uvedením vplyvu na výsledok hospodárenia minulých rokov; súčasne sa môže uviesť aj informácia o účtovaní opráv nevýznamných chýb minulých účtovných období v bežnom účtovnom období s uvedením vplyvu na výsledok hospodárenia bežného účtovného obdobia

Účtovná jednotka neúčtovala žiadne opravy významných chýb minulých účtovných období v bežnom účtovnom období, ktoré majú vplyv na výsledok hospodárenia minulých rokov a tiež neúčtovala žiadne opravy nevýznamných chýb minulých účtovných období v bežnom účtovnom období, ktoré majú vplyv na výsledok hospodárenia bežného účtovného obdobia.

Článok III

Informácie, ktoré dopĺňajú a vysvetľujú údaje v súvahe

(1) Významné sumy prírastkov a úbytkov dlhodobého nehmotného majetku a dlhodobého hmotného majetku

Účtovná jednotka nemala žiadne prírastky a úbytky dlhodobého nehmotného majetku.

Prírastky dlhodobého hmotného majetku, vo výške 33.256,04 EUR predstavujú:

- Nákup majetku: Samostatné huteľné veci a súbory huteľných vecí 33.256,04 EUR

(laboratórne prístroje a zariadenia: hlbokomraziaci box, 2x labcyklér, mikroskop Euromex iScope, stereomikroskop Stemi 508)

(2) Prehľad dlhodobého majetku, na ktorý je zriadené záložné právo a prehľad dlhodobého majetku, pri ktorom má účtovná jednotka obmedzené právo s ním nakladať

Účtovná jednotka nemá obstaraný žiadny dlhodobý majetok, na ktorý je zriadené záložné právo a nemá ani žiadny dlhodobý majetok, pri ktorom má obmedzené právo s ním nakladať.

(3) Opis významných súm pohľadávok v nadväznosti na položky súvahy, v členení na pohľadávky za hlavnú nezdaňovanú činnosť a zdaňovanú činnosť za bežné účtovné obdobie

Druh a opis významných položiek pohľadávok	Hlavná nezdaňovaná činnosť	Zdaňovaná činnosť
Krátkodobé pohľadávky z obchodného styku: Nesplatená pohľadávka voči nájomcovi za prenajaté priestory, ktorej vymáhanie je v súčasnosti v súdnom spore	28.108,52	0,00

(4) Prehľad pohľadávok do uplynutia lehoty splatnosti a po uplynutí lehoty splatnosti

Pohľadávky	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
- do uplynutia lehoty splatnosti – vid'. Pohľadávky v tab. (3)	1.253,45	0,00
- po uplynutí lehoty splatnosti	28.108,52	28.108,52
Spolu	29.361,97	28.108,52

(5) Prehľad o významných položkách časového rozlíšenia nákladov budúcich období a príjmov budúcich období

Významné položky časového rozlíšenia nákladov budúcich období predstavujú:

- Licencie softvéru 348,35 EUR
- Poistenie majetku 3.949,98 EUR

Účtovná jednotka neúčtovala o príjmoch budúcich období.

(6) Opis a výška zmien vlastného imania v priebehu bežného účtovného obdobia podľa položiek súvahy

	Stav na začiatku bežného účtovného obdobia	Prírastky (+)	Úbytky (-)	Presuny (+, -)	Stav na konci bežného účtovného obdobia
Vlastné imanie					
Základné imanie	24.140,78	0	0	0	24.140,78
z toho:					
- nadačné imanie v nadácii	0	0	0	0	0
- vklady zakladateľov	0	0	0	0	0
- prioritný majetok	19.894,78	0	0	0	19.894,78
Fondy tvorené podľa osobitných predpisov	0	0	0	0	0
Fond reprodukcie	0	0	0	0	0
Oceňovacie rozdiely z precenenia kapitálových účastín	0	0	0	0	0
Fondy tvorené zo zisku					
Rezervný fond	0	0	0	0	0
Fondy tvorené zo zisku	0	0	0	0	0
Ostatné fondy	0	0	0	0	0
Výsledok hospodárenia					

Nevysporiadaný výsledok hospodárenia minulých rokov	163.202,62	0	0	-13.209,98	149.992,64
Výsledok hospodárenia účtovného obdobia	-13.209,98	0	-4.101,27	+13.209,98	-4.101,27
Spolu	174.133,42	0	-4.101,27	0	170.032,15

(7) Informácia o rozdelení účtovného zisku alebo o vysporiadaní účtovnej straty za bezprostredne predchádzajúce účtovné obdobie

Názov položky	Bezprostredne predchádzajúce účtovné obdobie
Účtovný zisk	0
Rozdelenie účtovného zisku	
Prídel do základného imania	0
Prídel do fondov tvorených podľa osobitných predpisov	0
Prídel do fondu reprodukcie	0
Prídel do rezervného fondu	0
Prídel do fondov tvorených zo zisku	0
Prídel do ostatných fondov	0
Úhrada straty minulých období	0
Prevod do sociálneho fondu	0
Prevod do nevysporiadaného výsledku hospodárenia minulých rokov	0
Iné	0
Účtovná strata	-13.209,98
Vysporiadanie účtovnej straty	
Zo základného imania	0
Z rezervného fondu	0
Z fondov tvorených zo zisku	0
Z ostatných fondov	0
Z nerozdeleného zisku minulých rokov	0
Prevod z nevysporiadaného výsledku hospodárenia minulých rokov	-13.209,98
Iné	0

(8) Údaje o významných sumách záväzkov v nadväznosti na položky súvahy, v členení na záväzky za hlavnú nezdaňovanú činnosť a zdaňovanú činnosť

Druh a opis významných položiek záväzkov	Hlavná nezdaňovaná činnosť	Zdaňovaná činnosť
Krátkodobé záväzky z obchodného styku	3.621,17	0,00
Dlhodobé záväzky zo Sociálneho fondu	3.511,18	0,00

(9) Prehľad záväzkov do uplynutia lehoty splatnosti a po uplynutí lehoty splatnosti

Záväzky	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
- do uplynutia lehoty splatnosti – vid'. Záväzky v tab. (8)	57.489,68	7.132,35
- po uplynutí lehoty splatnosti	0,00	0,00
Spolu	57.489,68	7.132,35

(10) Prehľad o začiatocnom stave, tvorbe, čerpaní a konečnom zostatku sociálneho fondu v priebehu bežného účtovného obdobia

Sociálny fond	Suma
Stav k prvému dňu bežného účtovného obdobia	3.807,80
Tvorba na ťarchu nákladov	+11.567,29
Tvorba zo zisku	0,00
Čerpanie	-11.863,91
Stav k poslednému dňu bežného účtovného obdobia	3.511,18

(11) Prehľad o významných položkách časového rozlíšenia výdavkov budúcich období

Účtovná jednotka neúčtovala o výdavkoch budúcich období.

(12) Prehľad výnosov budúcich období v členení podľa jednotlivých druhov a v členení na dlhodobé výnosy budúcich období a krátkodobé výnosy budúcich období

Položky výnosov budúcich období - dlhodobé z dôvodu	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
bezodplatne nadobudnutého dlhodobého majetku	0,00	0,00
dlhodobého majetku obstaraného z verejných zdrojov	88.990,73	89.050,73
dlhodobého majetku obstaraného z finančného daru	0,00	0,00

dlhodobého majetku obstaraného z podielu zaplatenej dane	0,00	0,00
dlhodobého majetku obstaraného zo sponzorského	0,00	0,00
nepoužitého sponzorského	0,00	0,00
dotácie zo štátneho rozpočtu a od subjektov verejnej správy	0,00	0,00
Spolu	88.990,73	89.050,73

Položky výnosov budúcich období - krátkodobé z dôvodu	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
dotácie zo štátneho rozpočtu a z prostriedkov Európskej únie	114.650,05	220.766,16
dotácie z rozpočtu obce a z rozpočtu vyššieho územného celku	0,00	0,00
zostatku podielu zaplatenej dane	0,00	0,00
nepoužitého sponzorského	0,00	0,00
dotácie od subjektov verejnej správy a od subjektov mimo verejnej správy	1.214,01	2.441,01
Spolu	115.864,06	223.207,17

Článok IV

Informácie, ktoré dopĺňajú a vysvetľujú údaje vo výkaze ziskov a strát

- (1) Prehľad tržieb za vlastné výkony a tovar s uvedením ich opisu a vyčíslením hodnoty tržieb podľa jednotlivých hlavných druhov výrobkov, služieb hlavnej nezdaňovanej činnosti a zdaňovanej činnosti účtovnej jednotky za bežné účtovné obdobie

Druh a opis tržieb	Hlavná nezdaňovaná činnosť	Zdaňovaná činnosť
Tržby z predaja služieb – služby za diagnostiku a za publikovanie článkov v časopise Helminthologia	28.400,95	0,00

- (2) Opis a vyčíslenie hodnoty významných súm v nadväznosti na položky výkazu ziskov a strát v členení na nepeňažné dary, osobitné výnosy, zákonné poplatky a iné ostatné výnosy za bezprostredne predchádzajúce účtovné obdobie a za bežné účtovné obdobie

Druh a opis významných súm výnosov	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
Prijaté príspevky od iných organizácií – výnosy z bežných	19.779,35	16.218,68

transferov od subjektov mimo verejnej správy, predstavujú prijaté prostriedky domácich a zahraničných projektov		
Iné ostatné výnosy - dobropisy za vyúčtovanie zemného plynu, vrátené poisťné motorového vozidla, vrátené stravovacie poukážky	1.766,05	1.431,09
Prijaté dary – zásoby PHM pri nákupe motorového vozidla	4,04	0,00

(3) Prehľad významných súm dotácií zo štátneho rozpočtu, štátnych fondov, z prostriedkov Európskej únie, dotácií z rozpočtu obce a z rozpočtu vyššieho územného celku, ktoré účtovná jednotka prijala v bezprostredne predchádzajúcom účtovnom období a v bežnom účtovnom období

Druh a opis významných súm dotácií a grantov	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
Dotácie – výnosy z bežných transferov zo štátneho rozpočtu – predstavujú poskytnuté prostriedky IFP, Výkonnostná zmluva, prijaté prostriedky projektov APVV, projektov z Plánu obnovy, dotácie na elektrickú energiu	2.163.232,91	2.415.869,52
Dotácie – výnosy z kapitálových transferov zo štátneho rozpočtu	57.813,10	33.196,04

(4) Opis a vyčíslenie hodnoty významných súm v nadväznosti na položky výkazu ziskov a strát v členení na nepeňažné dary, náklady na ostatné služby, osobitné náklady a iné ostatné náklady poskytnuté v bežnom účtovnom období

Druh a opis významných položiek nákladov	Stav na konci bezprostredne predchádzajúceho účtovného obdobia	Stav na konci bežného účtovného obdobia
Spotreba materiálu	177.520,95	180.887,75
Spotreba energie	56.769,92	52.977,91
Opravy a udržiavanie	64.149,09	44.017,24
Cestovné	37.204,83	58.943,79
Náklady na reprezentáciu	181,05	289,68
Ostatné služby	103.707,25	132.090,86
Mzdové náklady	1.194.274,60	1.346.043,22
Zákonné sociálne poistenie a zdravotné poistenie	422.154,92	479.948,21
Zákonné sociálne náklady	45.178,90	50.104,10
Ostatné dane a poplatky	4.372,94	3.989,39
Ostatné pokuty a penále	0,00	3,24
Kurzové straty	96,76	200,19
Osobitné náklady	0,00	530,00
Iné ostatné náklady	107.143,20	115.827,93
Odpisy dlhodobého nehmotného a dlhodobého hmotného majetku	57.981,10	33.364,04

Opis údajov na podsúvahových účtoch

Na podsúvahových účtoch sa vedie evidencia majetku:

- Drobný hmotný majetok - hmotný majetok, ktorého obstarávacía cena je vyššia ako 50,00 EUR a nižšia ako 1.700,00 EUR, vo výške 773.541,98 EUR.
- Drobný nehmotný majetok – nehmotný majetok, ktorého obstarávacía cena je vyššia ako 330,00 EUR a nižšia ako 2.400,00 EUR, vo výške 35.141,23 EUR.
- Nehnuteľná kultúrna pamiatka – Dom bytový, Puškinova ul. 6 v Košiciach, vo výške 110.971,11 EUR.

Článok VI

Ďalšie informácie

(1) Opis a hodnota iných aktív, ktorými sa rozumie majetok, ktorý vznikol v dôsledku minulých udalostí a ktorého existencia alebo vlastníctvo závisí od toho, či nastane alebo nenastane jedna alebo viac neistých udalostí v budúcnosti, ktorých vznik nezávisí od účtovnej jednotky; týmito inými aktívami sú napríklad práva zo servisných zmlúv, poisťných zmlúv, koncesionárskych zmlúv, licenčných zmlúv, práva z investovania prostriedkov získaných oslobodením od dane z príjmov

1. Hodnota iných aktív predstavuje práva z poisťných zmlúv majetku:

- Povinné zmluvné poistenie zodpovednosti za škodu spôsobenú prevádzkou vozidla 40.838.192,00 EUR
- Poistenie pre prípad poškodenia, zničenia alebo krádeže motorového vozidla 72.591,00 EUR

2. Účtovná jednotka vedie vo svojej evidencii nesplatenú pohľadávku po lehote splatnosti, voči nájomcovi za prenajaté priestory, ktorej vymáhanie je v súčasnosti v súdnom spore, vo výške 28.108,52 EUR.

(2) Prehľad nehnuteľných kultúrnych pamiatok, ktoré sú v správe alebo vo vlastníctve účtovnej jednotky, a to názov, adresa a číslo kultúrnej pamiatky v Ústrednom zozname pamiatkového fondu

Prehľad nehnuteľných kultúrnych pamiatok, ktoré sú vo vlastníctve účtovnej jednotky:

- Unif. Názov NKP: Dom bytový
Adresa: Puškinova ul. 6, Košice I
Číslo ÚZPF: 3675/1

(3) Informácie o významných skutočnostiach, ktoré nastali medzi dňom, ku ktorému sa zostavuje účtovná závierka a dňom jej zostavenia

Medzi dňom, ku ktorému sa zostavuje účtovná závierka a dňom jej zostavenia, nenastali žiadne významné skutočnosti v účtovnej jednotke.