

Zápis zo schôdze Vedeckej rady Ústavu Vied o Zemi, SAV konanej dňa 28. 1. 2026

Prítomní členovia VR: Mgr. A. Tomašových, DrSc., RNDr. Ján Vozár, PhD., Mgr. Fridrich Valach, PhD., RNDr. I. Broska, DrSc., RNDr. M. Janák, DrSc., RNDr. I. Petřík, DrSc., Prof. RNDr. Miroslav Bielik, DrSc., DrSc., RNDr. Peter Vajda, PhD.,

Ospravedlnení: Ing. RNDr. Iveta Smetanová, PhD., Doc. Mgr. Michal Šujan, PhD., Prof. RNDr. Dušan Plašienka,

Vedecká rada ÚVZ SAV na svojom hybridnom zasadnutí dňa 28. 1. 2026 prerokovala:

1. Vybrala publikácie do záverečnej ročnej správy ÚVZ SAV za rok 2025. Zoznam je v prílohe 1.

2. Schválila 10 doktorandských tém v programoch mineralógia a petrológia, aplikovaná geofyzika, paleontológia a ochrana a využívanie krajiny na akademický rok 2026/2027:

Štúdijný program: mineralógia a petrológia

1. Júlia Kotulová, Teplotné režimy historickej metalurgie na Slovensku
2. Tomáš Mikuš, Mineralógia a géneza Pb-Zn mineralizácie v karbonátoch mezozoika Západných Karpát
3. Martin Števko, Zvetrávanie minerálov tetraedritovej skupiny: mobilita prvkov a supergéne produkty
4. Martin Števko, Mineralógia, chemické zloženie a géneza Ni-Co arzenidov a sulfoarzenidov v gemeriku
5. Igor Broska, Akcesorické minerály ako indikátory génezy a magmatického vývoja variských dioritických hornín Západných Karpát

Štúdijný program: aplikovaná geofyzika

6. Miloš Revallo, Geomagnetická aktivita ako súčasť prejavov kozmického počasia
7. Pavol Zahorec, Detailný výskum tektonickej stavby vybraných lokalít na Slovensku na základe gravimetrie
8. Ján Vozár, Multiparametrické modelovanie magnetotelurických a iných geofyzikálnych dát vo vybraných oblastiach Slovenska

Štúdijný program: paleontológia

9. Adam Tomašových, Taxonómia a paleoekológia fytoplanktónu miocénnych sedimentov Centrálnej Paratethys

Štúdijný program: ochrana a využívanie krajiny

10. Veronika Lukasová, Dynamika ekotonu alpínskej stromovej vegetácie v období klimatickej zmeny

3. Vedecká rada ÚVZ SAV prerokovala podnet vedeckého pracovníka o porušení etického kódexu SAV podľa článku 3.6, bod 2 a podľa článku 4.1, odsek 2c. Po posúdení podnetu, preskúmaní pôvodnej práce a práce ku ktorej malo dôjsť k prevzatíu myšlienok sa VR ÚVZ SAV po diskusii zhodla že k porušeniu etického kódexu a k plagiarizácii nedošlo. Stanovisko

VR ÚVZ SAV k tomuto podnetu bude preposlané aj Etickej Komisii SAV. Z diskusie vyplynulo tiež niekoľko všeobecných odporúčaní pre vedeckých pracovníkov ústavu:

a/ V prípade že vedeckí pracovníci majú kritický názor na vedecké články svojich kolegov, pre ďalšiu diskusiu ohľadom kvality takýchto článkov alebo pre ich kritiku existuje niekoľko komunikačných prostriedkov – či už priamo vo forme follow-up publikácií - napr. vo forme komentáru poslaného do časopisu v ktorom daná štúdia bola uverejnená (na čo autori zase môžu reagovať vo forme Reply) alebo vo forme samostatného článku (aj v inom časopise) v ktorom je pôvodný článok konfrontovaný, alebo nepriamo prostredníctvom následných prednášok alebo diskusií na konferenciách alebo seminároch. V prípade že vedeckí pracovníci majú kritický názor na publikované články v ich obore, mali by tieto prostriedky maximálne využiť.

b/ V prípade kedy sú submitnuté manuskripty vedeckých pracovníkov napr. dlhodobozamietané, VR ÚVZ odporúča neopublikované/neaceptované práce zdieľať na preprintových portáloch na to určených s prideleným DOI, napr. <https://arxiv.org/> alebo iných preprintových archívoch ktoré sú už priamo používané a akceptované vydavateľmi počas recenzentského procesu, napr. www.researchsquare.com – používané v Springer, Nature, BMC, <https://www.ssrn.com/ssrn/> - preprintová platforma pre Elsevier, alebo <https://egusphere.net/> - preprintová platforma pre časopisy vydávané European Geoscience Union. Tento proces kedy sú preprinty dostupné a citovateľné síce negarantuje že budú nakoniec akceptované v recenzovaných časopisoch (v niektorých časopisoch je na autorovom rozhodnutí či využije preprint, v iných časopisoch je to podmienka a celý recenzentský proces je explicitne otvorený – týka sa to napr. Egusphere), ale ako preprint stále zostáva na internete dostupný a tak zaručuje stabilitu a jasnú citovateľnosť publikovanej práce.

c/ Pri vedeckých diskusiách a pri komunikácii či už v rámci ústavu alebo naprieč ústavmi na seminároch alebo konferenciách, hranica medzi tým kedy informácie ktoré dostávame od vedeckých kolegov spadajú do rámca možného spoluautorstva nie je väčšinou pevne daná. Je už na rozhodnutí vedeckých pracovníkov či sa rozhodnú pozvať kolegu medzi spoluautorov, napr. na základe že jeho/jej informácie môžu byť v budúcnosti významným prínosom, či sa poďakujú v Acknowledgments, alebo usúdia že tieto informácie nakoniec nesusú použité.

4. Schválila prerokovala udelenie Medaily akademika Bohuslava Cambela za rok 2025 pre prof. Irenu Mintchevu Peytchevu (Geological Institute, Bulgarian Academy of Sciences). Životopis je v prílohe 2.

5. Schválila zmenu garanta v študijnom odbore Ekologické a environmentálne vedy, pre študijný program "Ochrana a využívanie krajiny". Doteraz bol garantom pre Ústav vied o Zemi SAV, v.v.i. RNDr. Anton Krištín, DrSc., jeho garantovanie však končí k 28. 2. 2026 z dôvodu dosiahnutia veku 70 rokov, kedy už nemôže garantovať príslušný študijný odbor a program. Garantom bude dr. Peter Kaňuch, PhD. Profil je v prílohe 3.

V Bratislave dňa 28. 1. 2026

Mgr. Adam Tomašových, DrSc.

Prílohy:

Príloha č. 2 – Charakteristika nominantky na medailu akademika Cambela

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION



Name Irena Mintcheva Peytcheva
Address Nadezhda-3, Bl. 306-A-21, 1229 Sofia, Bulgaria
Telephone +359883317633
E-mail impeytcheva@gmail.com; ipeytcheva@geology.bas.bg
Nationality Bulgarian
Date of birth 21.07.1960

WORK EXPERIENCE

- Dates (from – to) 2008 – today
- Name and address of employer Geological Institute, Bulgarian Academy of Sciences, Acad. Georgi Bonchev, Bl.24, 1113 Sofia
- Type of business or sector Research and expert activities in the field of geochemistry, geochronology, petrology, mineral deposits, mass-spectrometry
- Occupation or position held Professor (since 2013), Assoc. Professort (2008-2013)
- Main activities and responsibilities Basic and applied research; interpretation and publication/presentation of results; Supervision of PhD students; Lecturer at the Mining University and BAS; management of projects; head of the Geochemistry and Petrology Department

- Dates (from – to) 2002-02.2008
- Name and address of employer Institute of Mineralogy and Crystallography, BAS
- Type of business or sector Basic research and applied science
- Occupation or position held Assoc. Professor
- Main activities and responsibilities Basic and applied research; Supervision of PhD students; Lecturer at the Mining University and BAS; preparation and coordination of national and international projects with academy and industry

- Dates (from – to) 1991-2002
- Name and address of employer Earth and Man National Museum
- Type of business or sector Basic research and applied science; museum work
- Occupation or position held Junior research scientist
- Main activities and responsibilities Basic and applied research; preparation and coordination of national and international projects with academy and industry

- Dates (from – to) 1999-2002 (part-time)
- Name and address of employer Gravelita Ltd
- Type of business or sector Geological exploration
- Occupation or position held Geologist
- Main activities and responsibilities Field work, geological reports

EDUCATION AND TRAINING

- Dates (from – to) 2000-2018 (3 months per year)
- Name and type of organisation providing education and training ETH-Zurich, Institute of Geochemistry and Petrology
- Principal subjects/occupational skills covered Isotope Geochemistry and Geochronology applied to mineral deposits and regional geology
- Title of qualification awarded Visiting Researcher
- Level in national classification (if appropriate) Work with TIMS and LA-ICP-MS and MC-ICP-MS; clean lab work; liquid chromatography

- Dates (from – to) 2007 (4 months) and 2011 (2 months)
- Name and type of organisation providing education and training Geneva University, Department of Earth Sciences
- Principal subjects/occupational skills covered Isotope Geochemistry and U-Pb Geochronology
- Title of qualification awarded Researcher (replacing a researcher in maternity)
- Level in national classification (if appropriate) Work with TIMS and LA-ICP-MS and MC-ICP-MS; clean lab work; liquid chromatography

- Dates (from – to) 1979-1984
- Name and type of organisation providing education and training Sofia University "St. Kliment Ochridski", Faculty of Geology and Geography
- Principal subjects/occupational skills covered Bachelor and MSc student
- Title of qualification awarded MSc
- Level in national classification (if appropriate) Geology-geochemistry

- Dates (from – to) 1974-1979
- Name and type of organisation providing education and training German language school, Dobrich, Bulgaria
- Principal subjects All for Gymnasium; German, Russian and English language
- Title of qualification awarded

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE OTHER LANGUAGES

- Reading skills BULGARIAN (EXCELLENT); GERMAN (EXCELLENT); ENGLISH (EXCELLENT)
- Writing skills RUSSIAN (EXCELLENT); GERMAN (EXCELLENT); ENGLISH (EXCELLENT)
- Verbal skills RUSSIAN (EXCELLENT); GERMAN (EXCELLENT); ENGLISH (EXCELLENT)

SOCIAL SKILLS AND COMPETENCES

ADAPTABILITY; COMMUNICATION; COOPERATION AND WORK IN INTERDISCIPLINARY TEAMS - BULGARIAN AND INTERNATIONAL; ANALYTICAL AND CRITICAL THINKING.

ORGANISATIONAL SKILLS AND COMPETENCES

MANAGEMENT; ORGANIZATION AND COORDINATION OF ACTIVITIES

TECHNICAL SKILLS AND COMPETENCES

MASS SPECTROMETRY (ID-TIMS, MC-ICP-MS; LA-ICP-MS), OPTICAL MICROSCOPE; COLD CL; USE OF MICROSOFT OFFICE PRODUCTS (WORD, EXCEL, POWERPOINT), CORELDRAW GRAPHICS; DATA REDUCTION PROGRAMS: IOLITE, ETC.

OTHER SKILLS AND COMPETENCES <i>Competences not mentioned above.</i>	ABILITY TO WORK UNDER PRESSURE AND MEET DEADLINES☺
DRIVING LICENCE(S)	yes
ADDITIONAL INFORMATION	MEMBER OF THE EXECUTIVE BOARD OF THE BULGARIAN NATIONAL SCIENCE FUND (REPRESENTING EARTH SCIENCES); CHAIRMEN AND VICE/PAST-CHAIRMEN OF THE CARPATHIAN-BALKAN GEOLOGICAL ASSOCIATION; MEMBER OF THE EDITORIAL BOARD OF THE JOURNAL Geologica Balcanica
MEMBERSHIPS	Bulgarian Geological Society Geochemical Society (SG), Society of Economic Geology (SEG)
MAIN AREAS OF SCIENTIFIC RESEARCH ACTIVITY	Isotope Geochemistry; Isotope Geochronology; Magmatic and Magmatic-hydrothermal systems; Mass-spectrometry - ID-TIMS и LA-ICP-MS; Critical and Strategic Raw Materials
PUBLICATIONS IN PEER-REVIEWED JOURNALS WITH IMPACT FACTOR (OR SJR) AND NUMBER OF CITATIONS OF THE SCIENTIFIC PUBLICATIONS	SCOPUS ID 9737626400: H-index - 28; GoogleScholar h-index – 37, https://scholar.google.com/citations?user=LUvCty8AAAAJ&hl=bg ; Research gate h-index – 34, https://www.researchgate.net/profile/Irena-Peytcheva ;; https://orcid.org/0009-0005-9839-9113 ; Регистър за академични длъжности и дисертации (nacid.bg) ;
PARTICIPATION IN PROJECTS	PROJECT COORDINATOR/TASK LEADER/SUBPROJECT LEADER 2024-2029 National Scientific Program “Critical and Strategic Raw Materials for Green Energy and Sustainable Development”, WP I.1.: Potential for CSRMs in Bulgaria coordinator 2024-2026 REXPro (REsilient and effective Exploration, mining and Processing of critical and strategic raw materials in copper-gold and base metal deposits in Bulgaria: from the ore to the tailing, financed by EU – NextGenerationEU, Recovery and resilience plan, contract BG-RRP-2.011-0040-C01, Investment C2I2 „Increasing the innovation capacity of the Bulgarian Academy of Sciences in the field of green and digital technologies“; https://www.geology.bas.bg/en/projects-116/show-125(20) ; 2022-2025 AGEMERA - Agile Exploration and Geo-modelling for European Critical Raw Materials), grant 101058178, Horizon Europe Program, team and task leader. https://agemera.eu/ 2018-2021 DTP2-093-2.1 – SIMONA Sediment-quality Information, Monitoring and Assessment System to support transnational cooperation for joint Danube Basin water management (Project co-funded by the European Union); р-л на българския екип. Project SIMONA bas.bg 2018-2019 Age dating of rock samples and minerals and petrographic descriptions of hydrothermally altered rocks; financed by DPM Chelopech 2015-2018 Strategic Partnership for Critical Improvements in Methodology of Studying and Teaching of Mineral Resources - SPACIM, 160512, financed by the Swiss National Science Foundation (SNSF), team leader. 2009-2012 SCOPES Research Project (IZ73Z0-128089) Metal transport and ore deposition: The geology, geochemistry and geodynamic setting of mineral resources in Serbia, Macedonia and Bulgaria, financed by SNSF, team leader. 2014-2015 Contract №ДIII-107/25.08.2014with Assarel-Medet Ltd: GeoChem-Asarel: „Mineral and geochemical study of ore body and processing products of the Concentration Plant of Assarel deposit“, project leader. 2022 Multi-element analyses of pore waters, bottom sediments and nodules for the purpose of studying the background characteristics of the exploration block N22 and the Reserve Reference Site (ZEP) of the contract area of the Interoceanmetal JV in the Pacific Ocean. Contract 501-2.211-22 with IOM “Interoceanmetal”, Poland, project coordinator. 2011-2012 „Investigation of the mineral composition, hydrothermal alteration, isotope-geochemical features and geochronology in Trun exploration area“, Contract with Euromax Resources Ltd from 20.09.2011 in cooperation with IGP-ETH Zurich (Dr. Albrecht von Quadt), Geneva University (Dr. Kalin Kouzmanov), Bulgaria; project leader. 2011-2013 Innovative functional materials for the plastic (Min4K), COIN (Cooperation and Innovation) – Cooperation and Networks program of the Austrian Research Promotion Agency, leded by the Mountainuniversity in Leoben, Austria, GI-BAS team leader.

MEMBER OF THE RESEARCH TEAM

- 2024-2029 **iNNO SED**: iNNOvative SEDiment management in the Danube River Basin.; project financed by EUROPEAN CLIMATE, INFRASTRUCTURE AND ENVIRONMENT EXECUTIVE AGENCY (CINEA), CINEA.C – Green research and innovation, C.1 – Horizon Europe Climate Call: HORIZON-MISS-2023-OCEAN-01; Type of Action: HORIZON-IA, grant 101157360 (deputy leader of GI-BAS team).
- 2012-2016 Elatsite deposit and its relationship with neighboring ore deposits and ore occurrences: a complex mineralogical-petrological-geochemical and structural study with modern analytical methods, Contract with GEOTECHMIN №H-1270/2012: GeoMin-Elatsi.
- 2008-2011 Trace element and isotope studies of rocks, soils, minerals, coal, waters and archaeological artifacts using LA-ICP-MS, Contract № D002-76, financed by BNSF, leaded by P. Marchev (partly by I. Peytcheva).
- 2006-2009 Petrology and metallogenic significance of Hercynian granitoids and alkaline magmatic intrusive complexes in Northwestern and Central Bulgaria” (BY-H3-02/05) - BNSF. Leaded by Rossen Nedyalkov (Sofia University)
...and others in 1996-2018.

SELECTED PUBLICATIONS IN PEER-REVIEWED JOURNALS (FROM THE LAST 10 YEARS; FULL LIST OF PUBLICATIONS ATTACHED)

1. Bilić, Š., Peytcheva, I., Georgiev, St., Holma, M., Hikov, A., Pavičić, I., Šumanovac, F., Deljak, G., Kurylo, S., Guillong, M. 2025. Mineralogy, petrology, geochemistry and U-Pb zircon age of Upper Cretaceous bauxites from Jajce, Bosnia and Herzegovina, *Ore Geology Reviews*, 184, 106736, ISSN 0169-1368, <https://doi.org/10.1016/j.oregeorev.2025.106736>.
2. Peytcheva, I., A. Hikov. 2025. Geochemistry and U-Pb zircon geochronology of karst bauxites from Tran region, Bulgaria. – *Rev. Bulg. Geol. Soc.*, 86, 3, 112–118, <https://doi.org/10.52215/rev.bgs.2025.86.3.112>
3. Casini G, Saura E, Pavičić I, Pavin I, Bilić Š, Peytcheva I, Šumanovac F. 2025. Bauxite Exploration in Fold–Thrust Belts: Insights from the Posušje Region, Bosnia and Herzegovina. *Minerals*. 2025; 15 (4):415. <https://doi.org/10.3390/min15040415>
4. Stergiou, C., Sakellaris, G.-A., Melfos, V., Voudouris, P., Papadopoulou, L., Kantiranis, N., Peytcheva, I., Chatzipetros, A., Dimitrova, D., Stefanova, E. 2025. Metallogeny and distribution of critical and strategic metals in the polymetallic vein mineralization at Kolchiko, Vertiskos Unit, Northern Greece. *Journal of Geochemical Exploration*, 272, 107708, ISSN 0375-6742, <https://doi.org/10.1016/j.gexplo.2025.107708>.
5. Marchev, P., Raicheva, R., Ivanova, R., Jicha, B., Peytcheva, I. 2025. Age and genesis of the largest Phanerozoic Mn deposits in the Paratethys: Inferences from $40\text{Ar}/39\text{Ar}$ and U/Pb ages in NE Bulgaria and NW Turkey, *Journal of Geochemical Exploration*, 274, 107764, ISSN 0375-6742, <https://doi.org/10.1016/j.gexplo.2025.107764>.
6. Hikov A, Milakovska Z, Peytcheva I, Stoyanova V, Stefanova E, Abramowski T, Kadiyski M, Chavdarova S, Stavrev M, Dimitrova D. 2025. Geochemistry of REE and Other Critical Elements in Deep-Sea Polymetallic Nodules from Interoceanmetal (IOM) Exploration Area in Eastern Part of Clarion–Clipperton Fracture Zone, NE Pacific. *Minerals*.; 15 (2):154. <https://doi.org/10.3390/min15020154>
7. Markovic, S., Brunner, M., Müller, L., Peytcheva, I., Guillong, M., Chelle-Michou, C., Kouzmanov, K., Gallhofer, D., Heinrich, C.A., von Quadt, A. 2024. Zircon petrochronology of Aurich porphyry and epithermal deposits in the Golden Quadrilateral (Apuseni Mts., Romania). *Economic Geology*, 119, 4., 967–988. ISSN 0361-0128; <https://doi.org/10.5382/econgeo.5073>;
8. Koreshkova, M., H. Downes, M. Stifeeva, E. Salnikova, Y. Plotkina, E. Akimova, I. Peytcheva, D. Dimitrova, L. Macheva, A. Larionov, S. Sergeev. 2024. Metamorphic history of the Precambrian lower cratonic crust from U-Pb dating of granulite xenoliths (Anabar province, Siberia). - *Contrib Mineral Petrol* 179, 74 (19pp). <https://doi.org/10.1007/s00410-024-02156-7>
9. Hikov, A., Vijdea, A.-M., Peytcheva, I., Jordan, G., Marjanovic, P., Milakovska, Z., Filipov, P., Vetseva, M., Baltres, A., Alexe, V. E., Balan, L.-L., Marjanovic, M., Cvetkovic, V., Saric, K. & the SIMONA team. 2023. Assessment of River Sediment Quality According to the EU Water Framework Directive in Large River Fluvial Conditions: A Case Study in the Lower Danube River Basin. *Carpathian Journal of Earth and Environmental Sciences*, Vol. 18, No. 1, p. 195 – 211; DOI:10.26471/cjees/2023/018/251
10. Stefanova, E., S. Georgiev, I. Peytcheva, P. Marchev, A. von Quadt, R. Raicheva, I. Gerdjikov, K. Kouzmanov, A. Boyce, T. Vennemann. 2023. Sulfide Trace Element Signatures and S- and Pb-Isotope Geochemistry of Porphyry Copper and Epithermal Gold-Base Metal Mineralization in the Elatsite–Chelopech Ore Field (Bulgaria). - *Minerals* 13, 5, 630 (1-23). <https://doi.org/10.3390/min13050630>
11. Hoerler J, Von Quadt A, Burkhard R, Peytcheva I, Cvetkovic V and Baker T. 2022. The Karavansalija Mineralized Center at the Rogozna Mountains in SW Serbia: Magma Evolution and Time Relationship of Intrusive Events and Skarn $\text{Au} \pm \text{Cu-Pb-Zn}$ Mineralization. *Frontiers in Earth Sciences*. 9:798701. doi: 10.3389/feart.2021.798701 219.

12. Stergiou, C.L., Melfos, V., Voudouris, P., Papadopoulou, L., Spry, P.G., Peytcheva, I., Dimitrova, D., Stefanova, E. 2022. A Fluid Inclusion and Critical/Rare Metal Study of Epithermal Quartz-Stibnite Veins Associated with the Gerakario Porphyry Deposit, Northern Greece. *Applied Science* 12, 909. <https://doi.org/10.3390/app12020909>
13. Milenkov, G. Vassileva, R., Georgieva, S., Grozdev, V., Peytcheva, I. 2022. Trace-element signatures and U-Pb geochronology of magmatic and hydrothermal titanites from the Petrovitsa Pb-Zn deposit, Madan region, Central Rhodopes (Bulgaria). *Geologica Balcanica* 51 (2), 79–91. <https://doi.org/10.52321/GeolBalc.51.2.79>
14. Brlek, M., Gaynor, S.P., Mongelli, G., Bauluz, B., Sinisi, R., Brčić, V., Peytcheva, I., Mišur, I., Tapster, S., Trinajstić, Laita, E., Yuste, A., Šuica, S., Grizelj, A., Kukoč, D., Schaltegger, U. 2021. Karst bauxite formation during Miocene Climatic Optimum (central Dalmatia, Croatia): mineralogical, compositional and geochronological perspectives. *Int J Earth Sci (Geol Rundsch)* (2021). <https://doi.org/10.1007/s00531-021-02091-z>
15. Georgiev, S., Marchev, P., Jicha, B., Banushev, B., Raicheva, R., Peytcheva, I., von Quadt, A. 2021. $40\text{Ar}/39\text{Ar}$ age and petrology of magmatic rocks from East Balkan (Bulgaria) constrain the initiation of regional subduction in SE Europe, *LITHOS*, <https://doi.org/10.1016/j.lithos.2021.106302>
16. Peytcheva, I., A. von Quadt, V. Kostov-Kytin, M. Kadiyski, M. Stavrev. 2021. U–Pb dating and composition of columbite from Vishteritsa: Implication for timing of granite magmatism and rare-element granitic pegmatites in the Western Rhodopes, Bulgaria. *GEOLOGICA CARPATHICA*, 72, 3, 195–212. <https://doi.org/10.31577/GeolCarp.72.3.2>
17. Aysal, N., A. S. Öngen, S. Yılmaz Şahin, C. Kasapci, N. Haniçci, I. Peytcheva. 2021. Peritectic Assemblage Entrainment and Mafic – Felsic magma interaction in the Late Oligocene – Early Miocene Karadağ Pluton in the Biga Peninsula, Northwest Turkey: Petrogenesis and geodynamic implications. – *Turkish Journal of Earth Sciences*, 30 (2), 279–312.
18. Aluç, A., Kuşcu, İ., Peytcheva, I., Cihan, M., von Quadt, A. 2020. The late Miocene Öksüt high sulfidation epithermal Au-Cu deposit, Central Anatolia, Turkey: Geology, geochronology, and geochemistry. - *Ore Geology Reviews*, 126, 103795
19. Stavrev, M., Creaser, R., Peytcheva, I., Hikov, A., Chavdarova, S. 2020. First Re-Os age dating of molybdenite from Babyak Mo-Ag-Au-W-Bi-base metal deposit: evidence for Early Eocene fertile magmatic-hydrothermal system in Western Rhodopes, Bulgaria. *REVIEW OF THE BULGARIAN GEOLOGICAL SOCIETY*, 81, 3, BULGARIAN GEOLOGICAL SOCIETY, ISSN:0007-3938, 102-104.
20. Georgieva, S., Stefanova, E., Hikov, A., Peytcheva, I. 2020. Trace element geochemistry of alunite from Chelopech high-sulphidation epithermal deposit, Bulgaria: a potential tool for exploration of epithermal deposits. - *Comptes rendus de l'Academie bulgare des Sciences*, 73, 8, 1092-1102.
21. Stavrev, M., Peytcheva, I., Hikov, A., Vassileva, R., von Quadt, A., Guillong, M., Grozdev, V., Plotkina, Y. 2020. Late Cretaceous magmatism in part of the Western Rhodopes (Bulgaria): U-Pb dating on zircon and grossular-andradite garnets. *Comptes rendus de l'Academie bulgare des Sciences*, 73, 4, 522-530.
22. Banješević, M., V. Cvetkovic, A. von Quadt, D. Ljubovic Obradovic, N. Vasic, A. Pacevski, I. Peytcheva. 2019. New Constraints on the Main Mineralization Event Inferred from the Latest Discoveries in the Bor Metallogenic Zone (BMZ, East Serbia). - *Minerals* 2019, 9 (11), 672; <https://doi.org/10.3390/min9110672>
23. Peytcheva, I., E. Tacheva, A. von Quadt, R. Nedialkov. 2018. U-Pb zircon and titanite ages and Sr-Nd-Hf isotope constraints on the timing and evolution of the Petrohan-Mezdredya pluton (Western Balkan Mts, Bulgaria). - *Geologica Balcanica*, 47, 2, 25-46.
24. Peytcheva, I., A. von Quadt, L. Macheva, K. Kolcheva, S. Sarov. 2018. Relics of Devonian oceanic lithosphere in Byala Reka Dome, Eastern Rhodopes: Evidence from zircon U-Pb dating and Hf-isotope tracing. - *Comptes rendus de l'Academie bulgare des Sciences*, 71, 12, 1657-1664.
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region, Western Bulgaria: A combined SEM, QEMSCAN and LA-ICP-MS study. *Comptes rendus de l'Académie bulgare des Sciences*, 69, 11, 1455-1462.

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31. Buret, Y., A. von Quadt, C. Heinrich, D. Selby, M. Walle, I. Peytcheva. 2016. From a long-lived upper-crustal magma chamber to rapid porphyry copper emplacement: Reading the geochemistry of zircon crystals at Bajo de la Alumbrera (NW Argentina). - *Earth and Planetary Science Letters*, 450, 120–131.

Príloha č. 3

Charakteristika garanta SAV doktorandského štúdia

Garant SAV DŠ			
Priezvisko, meno, tituly	Kaňuch Peter, Mgr., PhD.		
Rok narodenia	1977		
Názov a adresa pracoviska	Ústav ekológie lesa SAV, E. Štúra 2, 960 01 Zvolen		
e-mailová adresa:	kanuch@ife.sk		
Dosiahnutá kvalifikácia			
	Názov vysokej školy alebo inštitúcie	Rok	Odbor resp. program
Vysokoškolské vzdelanie druhého stupňa	Prírodovedecká fakulta, Univerzita Komenského v Bratislave	2001	environmentalistika
Vysokoškolské vzdelanie tretieho stupňa	Ústav ekológie lesa SAV & Lesnícka fakulta, Technická univerzita vo Zvolene	2005	ekológia
Titul docent			
Titul profesor			
Doktor vied			
Prehľad vedeckých výstupov			
	Celkovo	Za posledných 5 rokov	
Počet výstupov evidovaných vo Web of Science okrem abstraktov z konferencií	93	23	
Počet výstupov evidovaných v databáze Scopus, ktoré nie sú súčasne evidované aj vo Web of Science			
Počet monografií vydaných v zahraničných/domácich vydavateľstvách	1 (ŠafárikPress, Vydavateľstvo UPJŠ v Košiciach)	1 (ŠafárikPress, Vydavateľstvo UPJŠ v Košiciach)	
Počet kapitol v monografiách vydaných v zahraničných/domácich vydavateľstvách	8 (VEDA, Vydavateľstvo SAV)		
Počet citácií Web of Science	803	405	
Počet citácií Scopus, ktoré nie sú súčasne evidované vo Web of Science			
Počet iných citácií	501	150	
Počet projektov získaných na financovanie výskumu	4 VEGA, 2 APVV	2 VEGA, 1 APVV	
Počet vedených diplomových prác	3	1	
Počet vedených doktorandských prác ako školiteľ	3 obhájené + 3 neukončené + 1 v procese	1 obhájená + 1 v procese	
ako školiteľ-špecialista resp. konzultant	4	2	
Zoznam max. 5 najvýznamnejších publikovaných prác (aj monografií). V zátvorke uveďte počet citácií.			
1.	Kaňuch P, Danko Š, Cel'uch M, Krištín A, Pjenčák P, Matis Š, Šmídt J. 2008. Relating bat species presence to habitat features in natural forests of Slovakia (Central Europe). <i>Mammalian Biology</i> 73: 147–155. (45)		
2.	Kaňuch P, Krištín A, Krištofik J. 2005. Phenology, diet, and ectoparasites of Leisler's bat (<i>Nyctalus leisleri</i>) in the Western Carpathians (Slovakia). <i>Acta Chiropterologica</i> 7: 249–258. (37)		
3.	Bryja J, Kaňuch P, Fornůsková A, Bartonička T, Řehák Z. 2009. Low population genetic structuring of two cryptic bat species suggests their migratory behaviour in continental Europe. <i>Biological Journal of the Linnean Society</i> 96: 103–114. (37)		
4.	Veľký M, Kaňuch P, Krištín A. 2010. Selection of winter roosts in the Great Tit <i>Parus major</i> : influence of microclimate. <i>Journal of Ornithology</i> 151: 147–153. (33)		
5.	Kaňuch P, Cassel-Lundhagen A, Berggren Å. 2021. A clue to invasion success: genetic diversity quickly rebounds after introduction bottlenecks. <i>Biological Invasions</i> 23: 1141–1156. (25)		
Zoznam max. 5 publikovaných vedeckých prác (aj monografií) za posledných päť rokov. V zátvorke uveďte počet citácií.			
1.	Dzurenko M, Ranger CM, Hulcr J, Galko J, Kaňuch P. 2021. Origin of non-native <i>Xylosandrus germanus</i> , an invasive pest ambrosia beetle in Europe and North America. <i>Journal of Pest Science</i> 94: 553–562. (15)		
2.	Vargová V, Gužiová D, Balogová M, Pipová N, Uhrin M, Kaňuch P. 2023. Urban environment determines population genetics in the green toad, <i>Bufo viridis</i> . <i>European Journal of Wildlife Research</i> 69: 86. (6)		

3.	Ružinská R, Lóbbová D, Kaňuch P. 2022. Demographic characteristics shape patterns of dawn swarming during roost switching in tree-dwelling Daubenton's bat. <i>Scientific Reports</i> 12: 10014. (4)
4.	Solbreck C, Cassel-Lundhagen A, Laugen AT, Kaňuch P (2023) Post-glacial colonization of the Fennoscandian coast by a plant parasitic insect with an unusual life history. <i>Ecology and Evolution</i> 13: e9996. (1)
5.	Búci M, Jarčuška B, Klinga P, Ružinská R, Berggren Å, Kaňuch P (2025) Individual heterozygosity and fitness in bottlenecked populations during early colonisation. <i>Biological Invasions</i> 27: 111. (0)
Účasť na riešení vedeckých projektov za posledných päť rokov. Uveďte postavenie v riešiteľskom kolektíve. Maximálne 5 projektov.	
1.	The role of the brown bear in the biodiversity of the ecosystem under different scenarios of human-bear coexistence (Joint Research Projects, TŮBITAK-2024-08, 2025–2027, principal investigator)
2.	Evolučný potenciál a prežívanie fragmentovaných populácií živočíchov z pohľadu genetiky (VEGA 2/0107/21, 2021–2024, vedúci projektu)
3.	Algoritmus kolektívnej inteligencie: Interdisciplinárne štúdium swarmového správania netopierov (APVV-17-0116, 2018–2022, zodpovedný riešiteľ)
4.	Priestorové zložky taxonomickej, funkčnej a fylogenetickkej diverzity ortopteroidného hmyzu vo vzťahu k ekologickým a evolučným faktorom (VEGA 2/0097/23, zástupca vedúceho projektu)
5.	
Dlhodobé pobyty v zahraničí – inštitúcia, dĺžka pobytu, rok nástupu a rok ukončenia V prípade potreby pridajte ďalšie riadky	
1.	Postdoc: Ústav biologie obratlovců Akademie věd ČR, Brno, Česko (2 roky, 2006–2008)
2.	Postdoc: Institutionen för ekologi, Sveriges lantbruksuniversitet, Uppsala, Švédsko (2 roky, 2008–2010)
3.	
4.	
5.	
6.	
7.	
Iné relevantné skutočnosti	
1.	VKS IIa priznaný v 2008
2.	VKS I priznaný v 2025
3.	Biologia (Associate editor)
4.	