

ANNOUNCEMENT OF THE RESULTS OF THE STANDARD PROJECTS – 2024 PUBLIC CALL FOR PROPOSALS

As of 30 November 2023, the Czech Science Foundation completed the evaluation of the project proposals received for the competition SGA0202400001 STANDADARD PROJECTS – 2024 and has decided to provide funding for the grant projects listed below. This decision has been made subject to the allocation by the Act on the State Budget of the Czech Republic for 2024 of targeted funds to the Czech Science Foundation in the amount approved by the Council for Research, Development and Innovation and the Government of the Czech Republic. In the event that the targeted funds are allocated in a lower amount, or on separate legal grounds, the Czech Science Foundation reserves the right to reduce the funding to some of the grant projects listed below and/or not to provide funding to some of those grant projects.

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-10017S	Ing. Vít Černý, Ph.D.	Study of the influence of percolation threshold on behavior of electrically conductive cement composites under different exposure environment loads	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences
24-10069S	prof. Ing. Jan Flusser, DrSc.	Hybrid neural network architectures for image recognition	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	1. Technical Sciences
24-10171S	prof. Ing. David Sedmidubský, Dr.	Melt-assisted growth of defect-free single-domain REBCO crystals	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
24-10288S	doc. Ing. Pavel Izák, Ph.D., DSc.	Removal of pollutants from industrial gases by new task-specific poly-ionic liquid membranes: experiments and modelling	Ústav chemických procesů AV ČR, v.v.i.	3	1. Technical Sciences
24-10301S	prof. Ing. Tomáš Vyhliďal, Ph.D.	Efficient control design for systems described by neutral time-delay models	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
24-10331S	doc. RNDr. Petr Kužel, Ph.D.	Control over terahertz plasmons in graphene nanostructures	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
24-10334S	prof. Ing. Hanuš Seiner, Ph.D., DSc.	Low-symmetry phases in intermetallics - lattice instability and magnetomechanics	Ústav termomechaniky AV ČR, v.v.i.	3	1. Technical Sciences
24-10366S	RNDr. Miroslav Frost, Ph.D.	Coupled dissipative processes and deformation mechanisms in metastable titanium alloys	Ústav termomechaniky AV ČR, v.v.i.	3	1. Technical Sciences

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24-10384S	prof. Ing. Jarmila Vilčáková, Ph.D.	Polymer memristor with neurosynaptic properties	Univerzita Tomáše Bati ve Zlíně, Univerzitní institut	3	1. Technical Sciences
24-10395S	doc. Ing. Adéla Fraňková, Ph.D.	Essential oils as new biocides in construction coatings	Česká zemědělská univerzita v Praze, Fakulta agrobiologie, potravinových a přírodních zdrojů	3	1. Technical Sciences
24-10430S	doc. RNDr. Jozef Ráhel, Ph.D.	Microwave thermal modifications with enhanced surface selectivity for wood-based materials	Mendelova univerzita v Brně, Lesnická a dřevařská fakulta	3	1. Technical Sciences
24-10469S	prof. Ing. Martin Weiter, Ph.D.	Novel conductive hydrogels for emerging biomedical applications	Vysoké učení technické v Brně, Fakulta chemická	3	1. Technical Sciences
24-10479S	prof. Ing. Aleš Imramovský, Ph.D.	Near-infrared emitting molecular crystals for next generation imaging (Crystal-NIR)	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
24-10480S	Ing. Jaroslav Barták, Ph.D.	Physical properties and thermal behavior of solution-processed and thermally evaporated chalcogenide thin films: Low-cost materials for IR optics	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
24-10512S	RNDr. Jana Šmilauerová, Ph.D.	New zirconium alloys: phase transformations and their impact on physical properties	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-10549S	Mgr. Pavla Ryparová, Ph.D.	A logistic model for prediction of mould growth in building components containing solid wood and wood-based materials	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
24-10597S	doc. Ing. Lukáš Horný, Ph.D.	Biomechanics of arteriovenous fistula aneurysms	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
24-10626S	RNDr. Peter Minárik, Ph.D.	Modern surface treatments of biodegradable magnesium alloys for tailored degradation rate	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-10766S	prof. Ing. Roman Bulánek, Ph.D.	Synthesis and Characterization of Zeolite-Encapsulated Metal Nanoparticles for Catalytic Applications	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
24-10767S	doc. Ing. Filip Průša, Ph.D.	Advanced high-entropy alloys reinforced by in-situ grown carbides formed from various types of nanostructured carbon precursors	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
24-10775S	Mary Donahue	Biopotential Recordings with Flexible ITO Field Effect Transistors (BioFlexFET)	Vysoké učení technické v Brně, Středoevropský technologický institut	3	1. Technical Sciences

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24-10862S	doc. Ing. Petr Henyš, Ph.D.	Data-driven modelling of bone morphology and mineral density	Technická univerzita v Liberci, Fakulta mechatroniky, informatiky a mezioborových studií	3	1. Technical Sciences
24-10892S	Ing. Jan Červenka, Ph.D.	Machine Learning for Multiscale Modelling of Spatial Variability and Fracture for Sustainable Concrete Structures	Červenka Consulting s.r.o.	3	1. Technical Sciences
24-10949S	Doc. Ing. Jiří Ščučka, Ph.D.	Potential of photoactive g-C3N4 nanoparticles for multifunctional protection of building stone	Ústav geoniky AV ČR, v.v.i.	3	1. Technical Sciences
24-10990S	prof. Ing. Lukáš Sekanina, Ph.D.	Hardware-Aware Machine Learning: From Automated Design to Innovative and Explainable Solutions	Vysoké učení technické v Brně, Fakulta informačních technologií	3	1. Technical Sciences
24-10992S	Mgr. Michal Hejduk, Ph.D.	Trapped Electrons and Ions Join Forces to Detect Single Photons	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-11001S	RNDr. Jan Svoboda, Ph.D.	Shining light to unravel properties and behavior of polymer brushes	Ústav makromolekulární chemie AV ČR, v.v.i.	3	1. Technical Sciences
24-11041S	prof. Ing. Karel Friess, Ph.D.	Development of advanced gas separation composite membranes – A new concept of molecular-level engineering for performance enhancement	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	1. Technical Sciences
24-11110S	Mgr. Anna Fučíková, Ph.D.	Protein corona formation on nanoparticles and its influence on entry of nanoparticles into cell and nanoparticles secondary toxicity.	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-11121S	prof. Dr. Ing. Tomáš Vampola	Redistribution of acoustic energy output in human voice and its effect on vocal folds loading using computer and physical modeling	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
24-11171S	doc. Ing. Martin Keppert, Ph.D.	Acid-activated geopolymers based on clay precursors: preparation, structure, environmental assessment	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
24-11274S	Prof. Lukasz Cwiklik, Ph.D., DSc.	Tailoring polymeric implant coatings against bacteria attachment: a knowledge-based approach	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	1. Technical Sciences
24-11308S	Ing. Michal Bartošák, Ph.D.	Multiaxial Creep-Ratcheting and Creep-Fatigue Behaviour of High Temperature Components: A Data-Driven Approach	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
24-11398S	prof. Ing. Andrey Shukurov, Ph.D.	Plasma-assisted synthesis of hybrid nanomaterials for laser-driven proton-boron nuclear fusion	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences

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24-11442S	prof. Ing. Martin Zatloukal, Ph.D., DSc.	Rheology and modeling of polymer melt flows at very high strain rates with respect to the production of meltblown nanofibers	Univerzita Tomáše Bati ve Zlíně, Fakulta technologická	3	1. Technical Sciences
24-11465S	Ing. Jan Luxa, Ph.D.	Rare-earth oxyhalides as novel dielectrics	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
24-11480S	prof. Ing. Michal Přibyl, Ph.D.	Modular microfluidic and millifluidic systems for continuous-flow synthesis and separation of chiral chemicals	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	1. Technical Sciences
24-11505S	doc. Ing. Daniel Koutný, Ph.D.	Structurally controlled wave propagation in multi-material 3D printed bodies	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
24-11534S	Mgr. Jan Vícha, Ph.D.	Conductive (bio)polymer composites with covalently anchored polypyrrole for biomedical applications	Univerzita Tomáše Bati ve Zlíně, Univerzitní institut	3	1. Technical Sciences
24-11616S	Ing. Richard Pokorný, Ph.D.	Effect of reducing agents and glass-forming additives on the behavior of rhenium and its retention during vitrification of nuclear waste	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
24-11652S	RNDr. Martin Ledinský, Ph.D.	Understanding of halide perovskite thin films plasma passivation process to increase the photovoltaic conversion efficiency	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
24-11664S	prof. Ing. Filip Železný, Ph.D.	Relational Reinforcement Learning for Science Acceleration	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-11678S	Ing. Lukáš Jelínek, Ph.D.	Theoretical Limits of Light-Matter Interactions	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-11772S	doc. RNDr. Ing. Martin Kalbáč, Ph.D.	Isotope Engineering of Moire Superlattices in Twisted Bilayers of 2D Materials	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	1. Technical Sciences
24-11820S	Ing. Ondřej Kuželka, Ph.D.	The Automatic Combinatorialist	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-11845S	doc. Ing. Jan Eliáš, Ph.D.	Smart modeling of inelastic behavior in heterogeneous materials	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences
24-11973S	Ing. Pavel Psota, Ph.D.	Robust common-path interferometry with high dynamic range for shock wave research in harsh environments	Technická univerzita v Liberci, Fakulta mechatroniky, informatiky a mezioborových studií	3	1. Technical Sciences

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24-12052S	prof. Ing. Petr Hájek, CSc., FEng.	Spolupůsobení obálky z textilního betonu a jádra z betonu s recyklovaným kamenivem	České vysoké učení technické v Praze, Univerzitní centrum energeticky efektivních budov	3	1. Technical Sciences
24-12144S	Ing. Luděk Pešek, CSc.	Investigation of 3D flow structures and their effects on aeroelastic stability of turbine-blade cascades using experiment and deep learning approach	Ústav termomechaniky AV ČR, v.v.i.	3	1. Technical Sciences
24-12197S	doc. RNDr. Ondřej Kylián, Ph.D.	Nanomaterials based on conductive polymers for surface-enhanced Raman spectroscopy	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-12226S	Ing. Richard Slávik, Ph.D.	Development of advanced models and measurement methods for heat and moisture transport in building components	Mendelova univerzita v Brně, Lesnická a dřevařská fakulta	3	1. Technical Sciences
24-12283S	prof. RNDr. Radim Chmelík, Ph.D.	Boosting incoherent quantitative phase imaging by implementing 3D-image reconstruction	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
24-12291S	prof. Dr. Ing. Eduard Rohan, DSc.	Multiscale modelling of acoustics-driven fluid suspensions flows in adaptive porous structures	Západočeská univerzita v Plzni, Fakulta aplikovaných věd	3	1. Technical Sciences
24-12360S	Ing. Karel Zimmermann, Ph.D.	End-to-end differentiable physics-aware architectures for self-supervised learning in robotics	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-12423S	Ing. Jiří Másilko, Ph.D.	Carbonation curing as a new approach for the development of alternative binders	Vysoké učení technické v Brně, Fakulta chemická	3	1. Technical Sciences
24-12474S	Jakub Kúdela	Benchmarking derivative-free global optimization methods	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
24-12526S	doc. Ing. Roman Gröger, Ph.D. et Ph.D.	Exploitation of surface phenomena for elimination of extended defects in semiconductor nanostructures	Ústav fyziky materiálů AV ČR, v.v.i.	3	1. Technical Sciences
24-12697S	Mgr. Oleksandr Shekhovtsov, Ph.D.	Learning Quantized Neural Networks, Discrete Choices and Representations	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-12705S	prof. Ing. Pavel Ripka, CSc.	Novel Magnetic Position Sensors	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences

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24-12710S	RNDr. Milan Dopita, Ph.D.	Relation between real structure of hexaferrite thin films and their magnetoelectric effect	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
24-12759S	RNDr. Martin Suda, Ph.D.	Malleable Theorem Proving Architectures	České vysoké učení technické v Praze, Český institut informatiky, robotiky a kybernetiky	3	1. Technical Sciences
24-12763S	Ing. Hynek Hadraba, Ph.D.	Targeted microstructure manipulation for additive shaping of ODS alloys	Ústav fyziky materiálů AV ČR, v.v.i.	3	1. Technical Sciences
24-12783S	Dr Sumesh Keerthiveetil Ramakrishnan, PhD	Study of mechanisms and kinetics of hydrogen corrosion damage of conventional prestressing reinforcement in concrete bridge structures	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
24-12812S	prof. Ing. Miroslav Šoóš, Ph.D.	Composite photocatalysts for visible light-driven CO2 conversion to higher oxygenates	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	1. Technical Sciences
24-12848S	Ing. Soňa Hříbalová	Reproducibility and processing-composition-microstructure-property relationships in potassium sodium niobate (KNN) piezoelectric ceramics	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
24-12872S	prof. RNDr. Bohuslav Rezek, Ph.D.	Advanced Confined CsPbBr3/ZnO/PS Nanocomposite Structure With Efficient Response to Ionizing Radiation (ANSWER)	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
24-12982S	prof. Ing. Dalibor Biolek, CSc.	Impedance spectroscopy of objects with fractional dynamics: New modeling approach	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	3	1. Technical Sciences
24-13061S	RNDr. Cyril Fischer, Ph.D.	The Combined Effects of Aeroelastic Instabilities on Civil Engineering Structures	Ústav teoretické a aplikované mechaniky AV ČR, v.v.i.	3	1. Technical Sciences
24-10125S	Ing. Daniel Horák, CSc.	Surface-engineered upconversion nanoparticles for quantitative diagnostics of pancreatic β -cells in diabetology by MRI, fluorescence and microscopy	Ústav makromolekulární chemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10143S	RNDr. Jiří Borovička, CSc.	Detailed insight into the properties of meteor showers	Astronomický ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-10180S	RNDr. prof. Fedor Šimkovic, CSc	Exploring the Properties of Neutrinos through Double Beta Decay: An Interplay between Theory and Experiment	České vysoké učení technické v Praze, Ústav technické a experimentální fyziky ČVUT	3	2. Physical Sciences

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24-10199S	Ing. Libor Kobera, Ph.D.	Development of Solid-State NMR Spectroscopy for Paramagnetic Systems: From Molecules to Advanced Materials	Ústav makromolekulární chemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10306S	prof. RNDr. Jiří Sgall, DrSc.	New challenges in streaming, online, and combinatorial algorithms	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-10325S	Ing. Andrea Dlasková, Ph.D.	In situ visualization of ATPase Inhibitory Factor 1 (IF1) in mitochondrial ultrastructure by high-resolution cryo-electron tomography	Fyziologický ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-10369S	Samuel Walker Braunfeld	Model theory, structural combinatorics, and algorithms	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-10400S	Ing. Ondřej Tichý, Ph.D.	Advanced Bayesian methods for estimation of atmospheric pollutant sources	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	2. Physical Sciences
24-10505S	prof. RNDr. Stanislav Hencl, Ph.D.	Properties of Sobolev homeomorphisms and their limits	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-10558S	prof. RNDr. Petr Bouř, DSc.	Development of chiral vibrational spectroscopy for solid state systems	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10586S	Prof. RNDr. Michal Křížek, DrSc.	Analytical and numerical modeling of hysteresis phenomena	Matematický ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-10671S	PROF. JANOS HAJDU	Label-free, real-time biosensing of dynamic cellular activity on a chip	Extreme Light Infrastructure ERIC (ELI ERIC)	3	2. Physical Sciences
24-10705S	doc. Mgr. Benjamin Vejnar, Ph.D.	The complexity of continuous and linear classification problem	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-10760S	prof. RNDr. Radek Marek, Ph.D.	Relativistic Spin-Orbit Effects in Molecular Structure and NMR Spectroscopy	Masarykova univerzita, Středoevropský technologický institut	3	2. Physical Sciences
24-10768S	Ing. Vladimír Ždimal, Dr.	Critical study on ground based vs tall tower aerosol measurements: effect of boundary layer	Ústav chemických procesů AV ČR, v.v.i.	3	2. Physical Sciences
24-10780S	Dr Ignacy Wolak-Sawicki	New Precision Tests of the Dark Sector	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences

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24-10787S	RNDr. Ivo Starý, CSc.	Molecular emitters of chiral light	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10791S	RNDr. Stanislav Kamba, CSc.	Terahertz spin excitations and ultrafast phonomagnetism	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-10822S	Mgr. Stanislav Nagy, Ph.D.	Geometric Multivariate and Non-Euclidean Statistics	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-10829S	Ing. Milan Vrábel, Ph.D.	Bioorthogonal reactions of 1-alkyl-1,2,4-triazinium salts	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10843S	RNDr. Jan Blahut, Ph.D.	Optimal solid-state NMR toolbox for characterization of paramagnetic materials and surfaces	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10887S	prof. RNDr. Jan Slovák, DrSc.	Cartan supergeometries and Higher Cartan geometries	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
24-10903S	RNDr. Milan Šimek, Ph.D.	Research on the formation of nanocavities with the subsequent formation and multiplication of electrons in water using laser-based diagnostics.	Ústav fyziky plazmatu AV ČR, v. v. i.	3	2. Physical Sciences
24-10924S	prof. Mgr. Jan Preisler, Ph.D.	Digital multiplex mass spectrometry imaging	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
24-10980S	Ing. Richard Laga, Ph.D.	Bio-responsive polycationic vectors for genetic vaccine delivery	Ústav makromolekulární chemie AV ČR, v.v.i.	3	2. Physical Sciences
24-10982S	Dr. Hanns Christian Schewe	Electrolyte-to-metal transition in the liquid phase: interplay between conductivity and reactivity of alkali-metal ammonia and amine solutions	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
24-11023S	doc. Mgr. Ondřej Pejcha, Ph.D.	Illuminating mass transfer in binary stars with theory and stellar populations	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-11034S	prof. RNDr. Eduard Feireisl, DrSc.	Dissipative systems in fluid dynamics	Matematický ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11064S	Prof. Dr. Karl-Heinz Ernst	Chirality-selective electron transport in single molecular devices	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11098S	prof. RNDr. Daniel Král, Ph.D., DSc.	Matroid theory problems underpinning discrete optimization	Masarykova univerzita, Fakulta informatiky	3	2. Physical Sciences

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24-11134S	Mgr. Kateřina Dušková, Ph.D.	Harnessing the power of single-step selections	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-11150S	Graham Hill	Structure and dynamics of shallow salt sheet extrusion investigated by means of magnetotellurics, gravity and analog & numerical modelling	Geofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11166S	doc. RNDr. Martin Čížek, Ph.D.	Study of vibronic coupling in electronic resonances through 2D EELS	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-11183S	Mgr. Antonín Hlaváček, Ph.D.	Optical microscopy for direct counting of molecules and nanoparticles: absolute quantification without calibration standards	Ústav analytické chemie AV ČR, v.v.i.	3	2. Physical Sciences
24-11210S	Dr. Edward Curtis	Development of fluorescent and chromogenic deoxyribozyme sensors	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
24-11247S	RNDr. Martin Srnec, Ph.D.	Off-diagonal thermodynamics and its connection with other factors as a route to predictable selectivity in C-H bond cleavage	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
24-11275S	Ing. Pavel Márton, Ph.D.	Computational design of high-performance ferroelectrics	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11312S	Ing. Vladimír Církva, Dr.	Preparation of (Poly)aromatic Compounds Containing Phosphinine Ring	Ústav chemických procesů AV ČR, v.v.i.	3	2. Physical Sciences
24-11336S	Ing. Ivana Kolmašová, Ph.D.	Lightning laboratory above equatorial thunderclouds	Ústav fyziky atmosféry AV ČR, v. v. i.	3	2. Physical Sciences
24-11344S	prof. RNDr. Tomáš Polívka, Ph.D.	Ultrafast non-photochemical quenching in photosynthesis	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	2. Physical Sciences
24-11361S	Mgr. Ing. Oleg Heczko, Dr.	Interface-mediated magnetic properties of intermetallics	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11373S	Mgr. Peter Berta, Ph.D.	Discovering new phenomena with pairs of top quarks	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-11390S	Doc. Mgr. Michal Fárník, Ph.D., DSc.	Atmospheric Aerosol Nanoclusters in Molecular Beam Experiments and Computer Simulations	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
24-11466S	prof. RNDr. Petr Klán, Ph.D.	Triplet Energy Transfer: A Route to Activation of UV-chromophores by Visible Light	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-11498S	RNDr. Jakub Prokop, Ph.D.	Wings in deep time: form, structure and function in the late Paleozoic and early Mesozoic insects	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
24-11503S	Mgr. Alexandr Jonáš, Ph.D.	Nanophotonics with hybrid DNA origami structures	Ústav přístrojové techniky AV ČR, v.v.i.	3	2. Physical Sciences
24-11511S	Mgr. Karel Doležal, Dr., DSc.	Mass Spectrometry Imaging for Multi-Omics Analysis of Phytohormone Network	Ústav experimentální botaniky AV ČR, v.v.i.	3	2. Physical Sciences
24-11722S	doc. RNDr. Karol Kampf, Ph.D.	New horizons of amplitude methods for particle physics	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-11819S	Gustavo Fuertes Vives	Time-resolved vibrational spectroscopy of proteins assisted by genetically encoded non-canonical amino acids	Biotechnologický ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-11992S	Ing. Alexander B. Shick, CSc., DSc.	High-performance magnets with reduced content of "critical" rare-earth	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-12017S	N. Scott Lynn, Ph.D.	Single biomolecule chromatography: investigating molecular level interactions in nanochannels	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-12046S	Ing. Rostislav Horčík, Ph.D.	Computing and Approximating Equilibria in Games With Complex Strategy Spaces	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	2. Physical Sciences
24-12234S	doc. Ing. Miroslav Lísa, Ph.D.	Evaluation of chiral SFC-MS for the analysis of positional isomers and enantiomers of biologically significant lipids	Univerzita Hradec Králové, Přírodovědecká fakulta	3	2. Physical Sciences
24-12253S	RNDr. David Schmoranz, Ph.D.	Quantum fluidic circuits in superfluid helium	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
24-12316S	Gianvito Scaringi, Dr., Ph.D.	Landslides in a changing climate: temperature controls over landslide susceptibility and hazard in temperate climate	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
24-12321S	doc. Mgr. Lenka Zajíčková, Ph.D.	Role of ions in remarkable structural and functional properties of amine plasma polymers	Vysoké učení technické v Brně, Středoevropský technologický institut	3	2. Physical Sciences
24-12403S	Mgr. Petr Brázda, Ph.D.	Cooperative phase transitions of molecular crystals observed in nano-scale by 3D electron diffraction	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-12564S	Mgr. Kseniya Dryahina, Ph.D.	Understanding the mechanisms of ion-molecule reactions in dielectric barrier discharge ionisation (DBDI) leading to quantification of volatiles in gas	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
24-12575S	prof. RNDr. Jan Veselý, Ph.D.	Organocatalytic Central-to-Axial and Central/Axial-to-Planar Chirality Transfer (ORCA PLATE)	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-12586S	Ing. Lucie Kolesníková, Ph.D.	Precursors of prebiotic molecules: structure, formation and searches in space	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	2. Physical Sciences
24-12587S	Travis Blake Meador	Dissolved organic hydrogen and oxygen in oceanographic systems (DOHOOS)	Biologické centrum AV ČR, v.v.i.	3	2. Physical Sciences
24-12596S	RNDr. Martin Novák, CSc., MSc.	Nitrogen fixation in polluted Czech peat bogs: Reconciling high N accumulation rates based on ²¹⁰ Pb dating with low ¹⁵ N ₂ uptake and low P availability	Česká geologická služba	3	2. Physical Sciences
24-12696S	doc. RNDr. Jiří Bruthans, Ph.D.	Improved field method for quantifying strength and degree of weathering in granularly-disintegrating rocks	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
24-12702S	Dr. Yury Shitov	Experimental and theoretical studies of astrophysical high-energy neutrinos in KM3NeT neutrino telescopes	České vysoké učení technické v Praze, Ústav technické a experimentální fyziky ČVUT	3	2. Physical Sciences
24-12845S	Mgr. Martin Racek, Ph.D.	Behaviour of lithium during prograde metamorphism in conditions of subduction zone	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
24-12935S	Ing. Milan Fischer, Ph.D.	The role of coherent structures in the turbulent energy transport and energy balance non-closure	Ústav výzkumu globální změny AV ČR, v. v. i.	3	2. Physical Sciences
24-12984S	prof. RNDr. Miloš Nesládek, CSc., HDR	Development of NV-centre entangled QuBit array concept for quantum sensing and metrology in molecular environment	České vysoké učení technické v Praze, Fakulta biomedicínského inženýrství	3	2. Physical Sciences
24-12999S	Stephen Collett, MGeol. PhD.	Campaign-style geochronology of pre- to syn-collisional Devonian basins of the Variscan Orogenic Belt	Česká geologická služba	3	2. Physical Sciences
24-13049S	Alexey Yushkov	Mass composition of ultra-high-energy cosmic rays from the Phase I data of the Pierre Auger Observatory	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-13079S	Dr. Alexander Vikman	The Other Side of Axions	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
24-10009S	prof. M.Sc. Vjačeslav Jurčenko, Ph.D.	Viruses of trypanosomatids: maintenance and transmission	Ostravská univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-10013S	Dr. rer. nat. Leoš Valášek, DSc.	eIF3 at the Tip of the AUG Recognition Process in Humans	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-10026S	Mgr. Martin Horák, Ph.D.	Novel open-channel blockers of NMDA receptors with enhanced membrane-to-channel inhibition	Ústav experimentální medicíny AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10132S	RNDr. Petr Ježek, DrSc.	Redox signaling essential for insulin secretion in pancreatic beta cells	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10147S	RNDr. Viktorie Vlachová, DrSc.	Novel pharmacological strategies to target the sensor domain of temperature-activated TRPV channels	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10167S	Mgr. Jakub Rohlena, Ph.D.	Tumors with no aspartate synthesis: a metabolic mystery	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10213S	Mgr. Jaroslav Malina, Ph.D.	Induction of DNA damage in cancer cells by targeting alternative DNA structures by specific ligands. Relationship with their anticancer activity.	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10264S	RNDr. Ondřej Kuda, Ph.D.	METABOLIC EFFECTS OF AN ANTI-DIABETIC LIPOKINE FROM SUBCELLULAR TO INTER-ORGAN CROSSTALK	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10274S	doc. RNDr. Ivo Rudolf, Ph.D.	Tick-borne microsporidiosis: ticks as a neglected source of human microsporidian infections?	Ústav biologie obratlovců AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10313S	prof. RNDr. Marek Jindra, CSc.	Coordination of development and immune competence by a systemic hormonal cue	Biologické centrum AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10324S	prof. MUDr. Petra Lišková, MD, Ph.D.	Exploring the Molecular Basis of Anterior Segment Dysgenesis using Advanced Sequencing and Organoid Technology	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
24-10345S	Mgr. Lukáš Čajánek, Ph.D.	Understanding primary cilia assembly and function through novel mechanisms	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
24-10353S	RNDr. Kristýna Pimková, Ph.D.	Redox reprogramming of the proteome in therapeutic resistance of Myelodysplastic syndrome	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
24-10435S	prof. MUDr. Tomáš Stopka, Ph.D.	Investigating new therapeutic approaches for Diamond-Blackfan anemia.	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
24-10497S	RNDr. Markéta Hlaváčková, Ph.D.	The role of epitranscriptomic regulatory mechanisms in the etiology of congenital heart disease: the effect of hypoxia and sex	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-10622S	Jan Mašek, Ph.D.	Uncovering the Wnt Destruction complex effects on NOTCH receptor signaling in vertebrates	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-10672S	Doc. RNDr. Daniel Rösel, Ph.D.	Molecular mechanisms and anti-metastatic effects of a novel migrastatic compound LT1076	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-10700S	Mgr. Jana Wiedermannová, PhD.	Where sugars meet antibiotics	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10712S	MUDr. Jiří Paleček, CSc.	Neuroinflammation in development of pain	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10736S	PharmDr. Lukáš Opálka, Ph.D.	Corneocyte lipid envelope: lipid-protein binding mechanisms and barrier rescue in ichthyosis models	Univerzita Karlova, Farmaceutická fakulta v Hradci Králové	3	3. Medical and Biological Sciences
24-10814S	Mgr. Martin Hrubý, Ph.D.	Macromolecular platform for selective membrane receptor degradation	Ústav makromolekulární chemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10912S	Ing. Miroslava Anděrová, CSc.	Impact of Wnt signaling modulation on the heterogeneity and functions of NG2-expressing cells in the adult cortex following focal brain ischemia	Ústav experimentální medicíny AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10936S	Mgr. Ladislav Bumba, Ph.D.	Role of filamentous hemagglutinin in complement resistance of B. pertussis	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10938S	Merixell Alberich Jorda, Ph.D.	Exploring extramedullary hematopoiesis under sterile chronic inflammation	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-10994S	Ing. Petra Janovská, Ph.D.	Role of cardiolipin in muscle non-shivering thermogenesis	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11031S	Prof. RNDr. Petr Horák, Ph.D.	Swimmer's itch: From detection to protection	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-11053S	RNDr. Jana Kamanová, PhD.	Biogenesis and function of the type III secretion system tip filament in the genus Bordetella	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11114S	Mgr. Radim Nencka, Ph.D.	Molecular glues as a tool for targeted degradation of cyclin K	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11157S	prof. David Staněk, Ph.D.	Molecular mechanisms of snRNP quality control	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11193S	doc. RNDr. Pavla Jendelová, Ph.D.	Reconstruction of the spinal cord sensory pathway using an integrin approach to axon regeneration.	Ústav experimentální medicíny AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-11257S	MUDr. Libor Macůrek, Ph.D.	Role of protein phosphatases in telomere maintenance and ribosomal biogenesis	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11357S	MUDr. Zdeněk Hodný, CSc.	Development of brain organoid models to study the role of cellular senescence in the pathogenesis of glioblastoma	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11364S	Ing. Lukáš Valihrač, Ph.D.	A humanized organoid-based platform for stroke modelling and mRNA-based therapeutic intervention	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11491S	prof. Mgr. Richard Štefl, Ph.D.	Molecular basis of microRNA biogenesis by RISC-loading complex	Masarykova univerzita, Středoevropský technologický institut	3	3. Medical and Biological Sciences
24-11633S	Mgr. Klára Hlouchová, Ph.D.	The twenty amino acid in/dispensability in bacterial core metabolism	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-11730S	doc. RNDr. Vladimír Divoký, Ph.D.	Role of DNA damage response in suppressing malignant progression in preleukemia conditions of some myeloproliferative and myelodysplastic neoplasms	Univerzita Palackého v Olomouci, Lékařská fakulta	3	3. Medical and Biological Sciences
24-11793S	Mgr. Karel Souček, Ph.D.	Elucidating the relationship between Trop2 expression and metastasis in cancer	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-11903S	prof. RNDr. Jan Brábek, Ph.D.	Drug repurposing for anti-invasive anti-metastatic treatment - the pipeline development and elucidation of mechanisms	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-11986S	prof. Ing. František Štěpánek, Ph.D.	Liposomal probes into colligative drug permeability	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	3. Medical and Biological Sciences
24-12027S	prof. Mikael Kubista, Ph.D.	Regeneration initiation cells - a new player in healing and regeneration	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12028S	Mgr. Dáša Boháčiková, Ph.D.	Constructing the Developmental Atlas of Alzheimer's Disease using Cerebral Organoids and Single-Cell Transcriptomics	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
24-12173S	Mgr. Peter Dráber, Ph.D.	Programmed cell death regulation as a mechanism of immune tolerance	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
24-12306S	RNDr. Jan Šilhán, Ph.D.	Elucidating the molecular mechanisms of DNA crosslink repair by replication-coupled DNA repair	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12396S	Jan Janouškovec	The biological role of molecules with the carbon-phosphorus bond in a model eukaryote	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences

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24-12431S	Mgr. Martina Huranová, Ph.D.	Ciliary signaling in hematopoiesis	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12477S	doc. RNDr. Michal Vinkler, Ph.D.	Does convergent evolution of molecular phenotypes shape immune responses in birds?	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-12482S	RNDr. Zbyněk Kozmik, CSc.	Cell-autonomous and cell non-autonomous mechanisms of lens induction	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12508S	Ing. Hana Macíčková Cahová, Ph.D.	The role of NAD capping of non-coding RNAs in viral infection.	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12527S	doc. RNDr. Monika Dolejská, Ph.D.	Evolutionary trade-offs of plasmid-carried antibiotic resistance in clinically relevant pathogens	Univerzita Karlova, Lékařská fakulta v Plzni	3	3. Medical and Biological Sciences
24-12572S	RNDr. Petr Dráber, DrSc.	Regulatory roles of LAIR-1 (CD305) in mast cell physiology and mastocytosis	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
24-12635S	prof. Mary Anne O'Connell, PhD	Defining the role of ADAR1 and RNA editing in protection from infectious disease	Masarykova univerzita, Středoevropský technologický institut	3	3. Medical and Biological Sciences
24-12869S	RNDr. Lukáš Fischer, Ph.D.	Discovering new pathways for the regulation of gene expression by small RNAs in plants	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
24-13167S	prof. MUDr. Jan Bělohávek, Ph.D.	End-organs tolerance to hypotension but preserved perfusion in cardiogenic shock	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
24-10008S	prof. Ing. Karel Janda, M.A., Dr., Ph.D.	Asset pricing, internet data, machine learning with natural language processing in the era of sustainable and decentralized finance with uncertainty	Vysoká škola ekonomická v Praze, Fakulta financí a účetnictví	3	4. Social Sciences and Humanities
24-10048S	Ing. Mgr. Richard Turcsányi, Ph.D.	Public attraction to non-democratic regimes: A case study of China	Mendelova univerzita v Brně, Fakulta regionálního rozvoje a mezinárodních studií	3	4. Social Sciences and Humanities
24-10062S	prof. JUDr. Jakub Handrlica, LL.M., Ph.D., DSc.	A fleet of small modular reactors on horizon! Do we need a new nuclear law?	Univerzita Karlova, Právnická fakulta	3	4. Social Sciences and Humanities
24-10073S	Mgr. Marcin Wągiel, Ph.D.	Classifying classifiers	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities

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24-10078S	RNDr. Miroslav Šiman, Ph.D.	New nonparametric tools for econometric data analysis	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-10145S	Doc. Mgr. Jakub Steiner, Ph.D.	Behavioral Economic Theory	Univerzita Karlova, Centrum pro teoretická studia	3	4. Social Sciences and Humanities
24-10150S	PhDr. Matěj Bílý, Ph.D.	The Role of Central Europe in Ending the Cold War and Shaping the Post-Cold War International Order	Ústav pro soudobé dějiny AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-10160S	prof. Mgr. Oldřich Bureš, Ph.D.,M.A.	Twenty-Five Years of EU Counterterrorism Policy: New Challenges, Old Problems?	Metropolitní univerzita Praha, o.p.s.	3	4. Social Sciences and Humanities
24-10176S	doc. PhDr. Alice Gojová, Ph.D.	Co-production of Social Work Knowledge Supporting the Rights of People with Disability in the Process of Deinstitutionalization	Ostravská univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
24-10205S	doc. Mgr. Pavel Štichauer, Ph.D.	The MIXPAR project: A quantitative approach to mixed perfective auxiliaries in Italo-Romance	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10254S	RNDr. Hana Skoumalová, Ph.D.	Czech phraseology and changes in its use in temporal and genre contexts	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10276S	Mgr. et Mgr. Veronika Dulíková, Ph.D.	Analysing the dynamics of administration in the age of the pyramid builders (2700–2180 BC) using advanced analytics	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10300S	Mgr. Zuzana Vítková, Th.D.	Biblical and Apocryphal Traditions in Coptic Magical Texts	Univerzita Karlova, Evangelická teologická fakulta	3	4. Social Sciences and Humanities
24-10317S	prof. RNDr. Jan Hanousek, CSc.	Optimization in European Business Groups: Group leverage distribution, use of tax shields, assets stripping and profit transfers	Mendelova univerzita v Brně, Provozně ekonomická fakulta	3	4. Social Sciences and Humanities
24-10417S	PhDr. Jiří Hrbek, Ph.D.	Construction of Noble Identity in the Works of Bohuslav Balbín	Historický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-10455S	Mgr. Veronika Koutná, Ph.D.	Cancer in youth: psychosocial challenges in child, adolescent and young adult cancer survivors	Psychologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-10529S	Mgr. Lukáš Lehotský, Ph.D.	The Intersection of Policy Failure and Energy Justice: Insights from the Czech Republic	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities

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24-10611S	Ph.D. Daniele De Santis	Rediscovering a German-Czech Member of Early Phenomenology: Intentionality, Consciousness and the Mind in the Philosophy of Maximilian Beck	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10612S	doc. Mgr. Pavel Maškarinec, Ph.D.	Local-level democratic performance and quality of government in Central and Eastern Europe at time of multiple crises and democratic backsliding	Univerzita Jana Evangelisty Purkyně v Ústí nad Labem, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10628S	prof. Mgr. Lucie Doležalová, Ph.D.	"Done. Pour the wine." Language Experiments in Medieval Scribal Additions and Colophons	Univerzita Karlova, Fakulta humanitních studií	3	4. Social Sciences and Humanities
24-10667S	doc. Mgr. Jana Horáková, Ph.D.	Local digital art and culture as a subject of historiographical research	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10717S	Anna Tropa, Ph.D.	Questioning the Intelligent Soul: The Active Intellect and its Role in the Jesuit Philosophy of the 16th century	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10765S	Mgr. Lenka Dědková, Ph.D.	Parental Knowledge of Early Adolescents' Online Social Lives: The role of Parental Mediation	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
24-10886S	doc. PhDr. Hana Vymazalová, Ph.D.	In Pharaoh's Shadow: Second Life of a Royal Monument	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10889S	prof. MUDr. Pavel Mohr, Ph.D.	All the Lonely People: A Mixed Methods Evaluation of Loneliness and Solitude	Národní ústav duševního zdraví	3	4. Social Sciences and Humanities
24-10905S	prof. PhDr. Jan Volín, Ph.D.	Prosodic expression of utterance information structure in Czech	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10955S	doc. Mgr. Jan Havlíček, Ph.D.	Development of olfactory-mediated disgust	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-10968S	doc. PhDr. RNDr. Hana Voňková, Ph.D. et Ph.D.	The Development of English Language Learning Motivation Among Czech Students in Different Types of Schools at Upper Secondary Level	Univerzita Karlova, Pedagogická fakulta	3	4. Social Sciences and Humanities
24-10991S	Adrien Palladino, M.A., Ph.D.	Dreaming Byzantium in Nineteenth Century France: Neo-Byzantine Architecture, Orientalism, and the Racial and National Myths of Art History (1848–1900)	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
24-10997S	Mgr. Marta Filipová, Ph.D.	Beyond the Village. Folk Cultures as Agents of Modernity, 1918-1945	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-11115S	Mgr. Jaroslav Svátek, Ph.D.	Indulgence lists for the Jerusalem pilgrimage in Central Europe (14th-16th centuries)	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11132S	PhDr. Šárka Zikánová, Ph.D.	Disagreement in corpus annotation and variation in human understanding of text	Univerzita Karlova, Matematicko-fyzikální fakulta	3	4. Social Sciences and Humanities
24-11146S	prof. RNDr. Jan Večeř, Ph.D.	Maximal Entropy Portfolio	Univerzita Karlova, Matematicko-fyzikální fakulta	3	4. Social Sciences and Humanities
24-11201S	doc. PhDr. Lenka Holá, Ph.D.	Mediation in criminal proceedings in the context of restorative justice	Univerzita Palackého v Olomouci, Právnická fakulta	3	4. Social Sciences and Humanities
24-11271S	Mgr. Jan Blüml, Ph.D.	Czechoslovak, Hungarian, and Polish Popular Music in a Transnational Context: Mechanisms and Objects of Music Exchange in the Era of State Socialism	Univerzita Palackého v Olomouci, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11282S	Doc. Laura Candiotto	Vicious epistemic cultures	Univerzita Pardubice, Fakulta filozofická	3	4. Social Sciences and Humanities
24-11298S	Mgr. Vítězslav Sommer, Ph.D.	Deindustrialisation and the new economic order. The regional economy and the Zlín shoe industry between central planning and the market economy	Ústav pro soudobé dějiny AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-11310S	JUDr. Mgr. Rudolf Leška, Ph.D. LL.M.	The Ethics of Access to Audiovisual Online Content	Vysoká škola finanční a správní, a.s.	3	4. Social Sciences and Humanities
24-11382S	PhDr. Markéta Skořepová, Ph.D.	Foundlings. Care for parentless children in the 19th-century country	Jihočeská univerzita v Českých Budějovicích, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11397S	Martijn A. Wijnhoven, PhD	Warfare as a catalyst of innovation. The evolution of Roman armour during the Middle Roman period through the lens of the Marcomannic Wars	Archeologický ústav AV ČR, Brno, v. v. i.	3	4. Social Sciences and Humanities
24-11408S	doc. Mgr. Robert Adam, Ph.D.	Strategies of adaptation to neo-absolutism in private and public communication (the example of Karel Havlíček)	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11515S	PhDr. Marek Urban, PhD.	Learning with ChatGPT: why and how students employ ChatGPT in their school assignments	Psychologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-11526S	Viktor Pál, Ph.D.	An Environmental History of Transboundary Rivers in Cold War East-Central Europe	Ostravská univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11555S	doc. PhDr. Jozef Baruník, Ph.D.	Taming the tail risks in financial markets with data-driven methods	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-11558S	PhDr. František Čech, Ph.D.	Hedging uncertainty in commodity markets	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-11566S	Matěj Bajgar, DPhil.	Leveraging unique microdata to study the effects of public support for business R&D	Univerzita Karlova, Fakulta sociálních věd	3	4. Social Sciences and Humanities
24-11583S	prof. PhDr. Tomáš Havránek, Ph.D.	Disentangling p-hacking from publication bias in finance research	Univerzita Karlova, Fakulta sociálních věd	3	4. Social Sciences and Humanities
24-11666S	prof. PhDr. Ondřej Pešek, Ph.D.	A Model of the Global Text Structure. Linguistic Analysis of the Old-French Fabliaux	Jihočeská univerzita v Českých Budějovicích, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11677S	PhDr. Marta Vohlídalová, Ph.D.	Gender inequalities in academic careers: the organisational context as a driver of cumulative dis/advantage	AMBIS vysoká škola, a.s.	3	4. Social Sciences and Humanities
24-11697S	Mgr. Ing. Miroslav Vacura, Ph.D.	Look Who's Talking: The Pragmatics and Ethics of Large Language Models in Democracy	Vysoká škola ekonomická v Praze, Fakulta národohospodářská	3	4. Social Sciences and Humanities
24-11720S	Mgr. Vojtěch Fiala, Ph.D.	The human eye as a visual stimulus: impact of culture and ethnicity on its perception	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-11725S	Mgr. Jiří Milička	Large language models through the prism of corpus linguistics	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-11735S	Mgr. Karel Kleisner, Ph.D.	Global patterns of sexual dimorphism in human face: bio-psychological perspective	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-11759S	M.A. Lucie Macková, Ph.D.	Highly Skilled Migrants' Perspectives and the Public Attitudes Towards Them	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-11767S	Fabio Sabatini	Drivers and impact of social capital	Masarykova univerzita, Ekonomicko-správní fakulta	3	4. Social Sciences and Humanities
24-11851S	doc. Mgr. et Mgr. Jan Šerek, Ph.D.	Trust in authorities from a life-span perspective	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
24-11861S	Mgr. Martin Zach, Ph.D.	Immunity and biological resilience: A conceptual framework	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-11885S	RNDr. Bohumil Frantál, Ph.D.	Hidden geographies of low-carbon transition: Czech households' energy behaviour and adaptive responses on energy poverty risks	Ústav geoniky AV ČR, v.v.i.	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-11907S	prof. RNDr. Dušan Drbohlav, CSc.	Transnational migration and digital inclusion	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-11911S	Mgr. Petr Tureček, Ph.D.	Beyond imitation and inaccuracy: detailed parametrization of cultural transmission	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-11912S	Mgr. Karla Hrbáčková, Ph.D.	Self-Regulation of Digital Behaviour in Children	Univerzita Tomáše Bati ve Zlíně, Fakulta humanitních studií	3	4. Social Sciences and Humanities
24-11974S	David Lacko	Usage of Reaction Time for an Unbiased Estimate of Prejudice: A Novel Approach to Measurement and Modeling	Psychologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-11979S	Mgr. Renata Landgráfová, Ph.D.	Hieroglyph Recognition and Translation	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-12009S	prof. RNDr. Marián Halás, Ph.D.	Structures of spatial interactions: role of distance and spatial patterns	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-12087S	Mgr. Miroslav Michela, Ph.D.	Negotiating the Revolt in Czech and Slovak Postsocialist Transition	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-12098S	Simona Malovaná	Central Bank Policies, Financial Sector, and Inequality	Univerzita Karlova, Fakulta sociálních věd	3	4. Social Sciences and Humanities
24-12123S	Mgr. Ondřej Pešout, PhD.	Promoting Science Literacy through a Narrative Game Based Learning Environment at Upper Elementary Grade Classrooms	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-12124S	Mgr. Gabriela Blažková, Ph.D.	Fire as a Catalyst for Change in the Urban and Social Development of a Town. Prague Hradčany Before and After 1541.	Archeologický ústav AV ČR, Praha, v.v.i.	3	4. Social Sciences and Humanities
24-12141S	doc. Mgr. Radek Honzík, Ph.D.	The role of set theory in modern mathematics	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
24-12180S	Silviya Lechner, MA, MSc, PhD	The Moral Authority of the State: Trust, Market, Consent	Anglo-americká vysoká škola, z.ú.	3	4. Social Sciences and Humanities
24-12190S	Mgr. Pavla Machalíková, Ph.D.	Space, Objects and Authors: Building a Cultural Public in the Czech Lands 1790–1918	Ústav dějin umění AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12255S	Ing. Jaromír Kovářík, Ph.D.	Understanding the behavior in collective action problems: behavioral and experimental approach	Západočeská univerzita v Plzni, Fakulta ekonomická	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-12497S	doc. Mgr. Tereza Stöckelová, Ph.D.	Technocultures of extended metabolism	Sociologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12500S	doc. PhDr. Martin Jemelka, Ph.D.	Employee Housing in the Czech Lands in the Industrial Era (1830–1950): Discourse and Policies, Models and Implementation	Masarykův ústav a Archiv AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12559S	doc. Mgr. Karel Nováček, Ph.D.	A Tale of Four Valleys in mountainous Kurdistan: Past landscape strategies, resilience, and sustainability in a long-term perspective	Univerzita Palackého v Olomouci, Filozofická fakulta	3	4. Social Sciences and Humanities
24-12568S	RNDr. Petr Daněk, Ph.D.	Between market and alternatives: household food resilience in uncertain times	Masarykova univerzita, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-12583S	Michael L. Smith, M.A., Ph.D.	Dynamics of Overeducation in Europe from a Social Stratification Perspective	Sociologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12662S	Mgr. Kateřina Lukavská, Ph.D.	Screen media and parental stress: family regulation of screen media use among children and adolescents in relation to parental stress and burnout	Univerzita Karlova, Pedagogická fakulta	3	4. Social Sciences and Humanities
24-12679S	Václav Šmidrkal	Fighters into Heroes. WWII Veterans and the Politics of Recognition in 20th Century Bohemian Lands	Masarykův ústav a Archiv AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12720S	Stanislav Anatolyev, Ph.D.	ECONOMETRIC METHODS ROBUST TO PARAMETER DIMENSION AND DATA CLUSTERING	Univerzita Karlova, Centrum pro ekonomický výzkum a doktorská studia	3	4. Social Sciences and Humanities
24-12752S	Mgr. Lukáš Lička, Ph.D.	The Age of Peckham: The Role of John Peckham's Perspectiva communis in the Dissemination and Development of Optical Knowledge, 1279–1542	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12771S	doc. JUDr. Václav Stehlík, LL.M., Ph.D.	Application of the best interests of the child and the assessment of the public interest in migration control	Univerzita Palackého v Olomouci, Právnická fakulta	3	4. Social Sciences and Humanities
24-12819S	Mgr. Pavlína Libichová Cermanová, Ph.D.	Beghards, Brethren, and the Witches' Sabbat: The Semantics of Denigration in Late Medieval Czech Lands	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-12864S	doc. JUDr. Michael Kohajda, Ph.D.	Crypto Assets as a Threat to the Sovereign	Univerzita Palackého v Olomouci, Právnická fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
24-12873S	Mgr. Aleš Březina, Ph.D.	Bohuslav Martinů's Music Theatre 1948-1959. Processing and publication of a monograph with critical edition.	Institut Bohuslava Martinů, o.p.s.	3	4. Social Sciences and Humanities
24-12894S	doc.RNDr. Tomáš Havlíček, Ph.D.	The role of religion in the integration of Ukrainian immigrants in Czechia and related changes in the religious landscape	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
24-12985S	Tamás Visi, Ph.D.	The Averroean Paradigm in Biological Thought	Univerzita Palackého v Olomouci, Filozofická fakulta	3	4. Social Sciences and Humanities
24-13045S	doc. Mgr. Petr Sláma, Ph.D.	Cult and Law in the Book of Exodus: A Contribution to the Literary History of the Pentateuch	Univerzita Karlova, Evangelická teologická fakulta	3	4. Social Sciences and Humanities
24-13058S	Darmanto Darmanto	Beyond Insecurity: Changing Indigenous People's Foodways in Time of Climate Change in Indonesia (BICOVID)	Orientální ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
24-13165S	Mgr. Eva Chodějovská, Ph.D.	Beyond the Horizon. Visualization and Interpretation of Networks in Early Modern Europe	Moravská zemská knihovna	3	4. Social Sciences and Humanities
24-10000S	doc. Ing. Milena Stránská, Ph.D.	Shedding Light on Glycosylated Mycotoxins: Their Structure, Occurrence, Preparation, and Health Impacts	Vysoká škola chemicko-technologická v Praze, Fakulta potravinářské a biochemické technologie	3	5. Agricultural and Biological-Environmental Sciences
24-10010S	doc. RNDr. David Kopecký, Ph.D.	When 1+1≠2: Conundrum of non-Mendelian inheritance of parental chromosomes in plant hybrids	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10016S	Mgr. Veronika Jílková, Ph.D.	Pyroseq: Pyrogenic organic matter sequestration in forest soils affected by climate change	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10019S	doc. RNDr. Linda Nedbalová, Ph.D.	Snow algae blooms under climate change: unravelling the diversity patterns and seasonal dynamics to understand their current and future distribution	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-10021S	doc. Mgr. Aleš Pečinka, Ph.D.	Effects of heat stress on nuclear organization and epigenetic regulation in barley	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
					Environmental Sciences
24-10036S	RNDr. Jiří Macas, Ph.D.	A pangenomic view of expanding centromere	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10051S	RNDr. Pavel Mikuška, CSc.	The effect of metal nanoparticles on lung tissues and cell processes contributing to their efflux from these tissues	Ústav analytické chemie AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10086S	prof. RNDr. Jan Vondráček, Ph.D.	The impact of polycyclic aromatic hydrocarbons on cellular processes linked with stress signaling and deregulation of metabolism	Biofyzikální ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10107S	prof. RNDr. Zuzana Münzbergová, Ph.D.	Long and short-term species response to aridification using the true Rose of Jericho as a model	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-10123S	Mgr. Martin Kolísko, PhD	Not so picky colpodellids: New diversity of free-living bacterivorous and host-associated relatives of Apicomplexa	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10227S	Prof. RNDr. Josef Komenda, DSc.	Early phase of Photosystem I biogenesis: an unexpected role of the PsaK subunit and function of accessory protein factors	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10375S	Martin Bouda, Ph.D.	Mechanistic scaling of soil-plant hydrodynamics in the Earth System	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
24-10486S	RNDr. Petr Bartůněk, CSc.	Reprogramming the fate of hematopoietic cells in cyprinid fish	Ústav molekulární genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
					Environmental Sciences
24-10574S	Gerrit Angst	Loners or team players: how do interactions of earthworms and other soil faunal taxa regulate soil organic carbon contents and stability?	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10653S	prof. RNDr. David Honys, Ph.D.	Post-transcriptional regulation as the plant gametophyte adaptation for early stress response	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10659S	RNDr. Petr Kopáček, CSc.	Phenotypic mapping of nutrient signaling and sensing pathways in ticks	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10662S	prof. RNDr. Dalibor Kodrík, CSc.	Defence reactions against Habrobracon hebetor wasp and honeybee venoms: mechanism of their action	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10730S	prof. Ing. Petr Smýkal, Ph.D.	Hilum - the seeds Achilles heel? The enigma of hilum formation and polyphenol oxidase function in seeds.	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-10743S	Dr. Kumar Saurav	EPIC - Epibiont-mediated Induction of cyanopeptides	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-10819S	Mgr. Ondřej Adamovský, Ph.D.	From prenatal age to healthy childhood: uncover the links between chemical exposure and immune diseases in children.	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-10844S	Prof. Mgr. Michal Hájek, Ph.D.	How do communities of different organisms respond to insularity in a fragmented mire habitat?	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-

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					Environmental Sciences
24-10943S	prof. RNDr. Václav Hypša, CSc.	Triatominae and Cimicidae: ecological, evolutionary, and genomic contrasts of open and closed symbioses.	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11119S	Ing. Pavel Šamonil, Ph.D.	A global model of treethrow forms and the role of tree mortality in carbon storage	Výzkumný ústav Silva Taroucy pro krajinu a okrasné zahradnictví, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-11363S	Meri Eichner	How to cope with a fluctuating environment: Cell-to-cell heterogeneity versus acclimation in cyanobacteria	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-11371S	RNDr. Terezie Mandáková, Ph.D.	Even plants can lose their sex drive: Exploring the links between hybridization, chromosomal reorganization and evolution of apomixis	Masarykova univerzita, Středoevropský technologický institut	3	5. Agricultural and Biological-Environmental Sciences
24-11400S	Mgr. František Zedek, Ph.D.	Causes and consequences of the recombination rate evolution in eukaryotic lineages differing in chromosome type	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11425S	Prof. RNDr. František Marec, CSc.	Diversity of molecular mechanisms of sex determination in moths and butterflies	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-11467S	Maria-Cecilia Chiriac	High throughput host detection and ecology of freshwater CPRs ('Ca. Patescibacteria')	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-11519S	Ing. Eva Martinková, Ph.D.	Tracing the environmental impact of electronic waste recycling using Cd, Pb, and Cu isotopes	Česká geologická služba	3	5. Agricultural and Biological-

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					Environmental Sciences
24-11738S	Mgr. Miroslava Soldánová, PhD	Invisible players on the host-parasite battlefield	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-11757S	RNDr. Jan Tumajer, Ph.D.	Quantifying the effects of phenology, growth rate, and growth occurrence for annual wood formation	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11764S	Margherita Gioria, Ph.D.	Invasions of native plant communities: is the impact mediated by soil seed banks?	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
24-11779S	Doc. Ing.MgA. David Boukal, Ph.D.	Effects of warming and pollutants on nutrient flows and lower trophic levels in freshwater communities: from microbes to Daphnia	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11859S	Mgr. Jakub Kreisinger, Ph.D.	Role of bacteriophages in the shaping of primate gut microbiome	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11931S	Mgr. Lenka Sentenská, PhD.	Extreme mating strategies in the genus <i>Latrodectus</i>	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-11954S	doc. Mgr. Jiří Doležal, Ph.D.	Alpine plants under climate change: from adaptive strategies to ecosystem functioning	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
24-11998S	Dr. rer. nat. Rohit Ghai	MATISSE: Microbial Activity in Time and Space during Spring Ecological Succession	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-

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					Environmental Sciences
24-12013S	Mgr. Jan Jansa, Ph.D.	Synthetic ecology of arbuscular mycorrhizal hyphosphere	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12107S	Matyáš Fendrych, Ph.D.	From structural domains to protein networks: the role of Phosducin PhLP2 in plant development	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-12116S	RNDr. Pavel Babica, Ph.D.	Silenced Cells Speak Volumes: Dysregulated Gap Junctional Intercellular Communication as a Key Process for Identifying Non-Genotoxic Carcinogens	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-12155S	RNDr. Cyril Bařínka, Ph.D.	Elucidating functions of histone deacetylase 11 throughout the kingdoms of life	Biotechnologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12161S	doc. RNDr. Jakub Těšitel, Ph.D.	Ecological interactions between specialised plant functional groups and their significance for biodiversity and ecosystem processes	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-12217S	Mgr. Karel Janko, Ph.D.	It takes two or three to tango: Genomic interactions and phenotypic traits in interspecific hybrids and polyploids	Ústav živočišné fyziologie a genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12229S	Dr Tom Fayle	Do social insect impacts on soil properties maintain tropical plant diversity in the face of anthropogenic habitat change?	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12318S	doc. Mgr. Patrik Mráz, Ph.D.	Tracing the effects of whole-genome multiplication on clonal reproduction in plants: from genes to distributional patterns	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-

Registration No.	Applicant	Title	Organization	Number of years	Discipline Committee
					Environmental Sciences
24-12368S	Mgr. Petr Kohout, Ph.D.	Effect of wildfire intensity on development of soil microbial communities and microbial mediated ecosystem processes	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12498S	Mgr. Petr Šmarda, Ph.D.	Advantages of endopolyploidy over polyploidy	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-12674S	Thomas Bourguignon	Inferring the functional evolution of the termite gut microbiota using thousands of complete prokaryotic genomes	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12829S	Ing. Martin Potocký, Ph.D.	To seal or to pull the plug? The regulation of plasmodesmata by the vesicle tethering complex exocyst	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
24-12932S	Mgr. Pavel Němec, Ph.D.	The effect of domestication on brain size and cellular composition in vertebrates	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
24-13026S	Dr. Tomáš Korytář	Growing field : Advancing understanding of fish mucosal immunology through molecular farming	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences